



# Transmittal

Lighting Systems  
2322 6th Str.  
Berkeley CA 94710  
Phone: (510) 982-3900  
**From: Kimberly Ford**

**Project** West County Transportation 367 West  
Robles - Kim Lighting - Updated 7.1.2022

**Quote#** B22-559722

**Location** Santa Rosa CA

**To** Independent Elec - Santa Rosa  
460 Tesconi Circle  
Santa Rosa CA 95401  
Contact: Kirk Smartt

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- |                                   |  |        |
|-----------------------------------|--|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications        | Other: |
| <input type="checkbox"/> Prints   | <input type="checkbox"/> Information           |        |
| <input type="checkbox"/> Plans    | <input checked="" type="checkbox"/> Submittals |        |

THESE ARE TRANSMITTED FOR:

- |  |   |                                 |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval        | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input checked="" type="checkbox"/> Approval   | <input type="checkbox"/> Corrections              | Bids due on:                    |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use                 | Other:                          |
| <input type="checkbox"/> Approval as Noted     | <input type="checkbox"/> Review and Comment       |                                 |

Type	MFG	Part
AA1	Kim Lighting	UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT
AB1	Kim Lighting	UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20
AB2	Kim Lighting	UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20
AB3	Kim Lighting	UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20
AC1	Kim Lighting	UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17
AC2	Kim Lighting	UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17
AC3A	Kim Lighting	UR20-56L-110-3K7-4W-UNV-A34-DBS
AC3B	Kim Lighting	UR28-96L-155-3K7-3-UNV-A34-DBS-BC
AC3P	Kim Lighting	22K-0053C-RTSK35-95A-1-K2-DBS-MOD GFI180-02-EHH270-20-C07-90-20-EHH90-27.5
POLES	Kim Lighting	REPL-KIM/DR-GFCI

### Notes:

THESE SUBMITTALS REPRESENT OUR INTERPRETATION OF THE JOB REQUIREMENTS. THEY MAY NOT BE TOTALLY ACCURATE. IT IS YOUR RESPONSIBILITY TO MAKE CORRECTIONS ON THESE SUBMITTALS TO INSURE THAT THE MATERIAL

Date: Jul 1, 2022



Page 2/2

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FURNISHED WILL SATISFY THE JOB REQUIREMENTS. WE WILL FURNISH MATERIAL EXACTLY AS INDICATED ON YOUR RETURNED SUBMITTALS. NO MATERIAL WILL BE RELEASED WITHOUT THE RETURN OF THESE SUBMITTALS DOCUMENTS. A WRITTEN WAIVER MAY BE SUPPLIED IN LIEU OF APPROVED DOCUMENTS. IN THIS EVENT, LIGHTING SYSTEMS, INC. WILL ASSUME NO RESPONSIBILITY FOR IMPROPER PRODUCTS FURNISHED.

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT

**Notes:**

**Type:**

**AA1**

B22-559722

**KIM LIGHTING®**

**UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:  
 TYPE: PROJECT:  
 CATALOG #:

**FEATURES**

- 20" size in single/dual arm post top, pole and wall mount
- High performance optics up to 16,874 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



3000K and warmer CCTs only

See Certification Specifications

**Ouro™**



Ouro Post Top

**CONTROL TECHNOLOGY**



**SPECIFICATIONS**

**CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- All external fasteners are stainless steel.
- Cover is secured to Lens frame by the latch and hinge.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.
- Optional fixture finish optical surfaces will not exceed BUG ratings of the standard white finish.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**ELECTRICAL**

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

**RELATED PRODUCTS**

[Ouro Small Arm Mount](#)

[Ouro Large Post Top](#)

[Ouro Large Arm Mount](#)

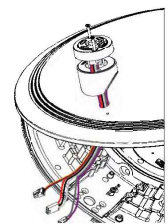
**CONTROLS**

**7PR**

- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.

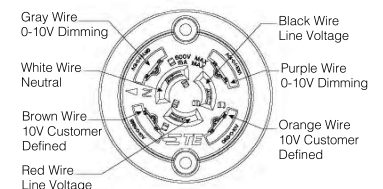


7-Pin receptacle placement

(Specifications continued on page 3)

KEY DATA	
Lumen Range	2694 – 16874
Wattage Range	25 – 150
Efficacy Range (LPW)	95 – 133
Reported Life (Hours)	L70>60,000
Weight	35 lbs – 15.8 Kg
EPA	0.608

<sup>1</sup> Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details



(Specifications continued on page 3)

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 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS /  
 HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:****AA1**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

**ORDERING GUIDE****Example:** UR20-24L-25-3K8-3-L-UNV-FMSA33-BLT-7PR-BC-SWTAB

CATALOG #

**HOUSING**

UR20	Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
UR20	Ouro	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>1</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
		<b>24L-25</b> 3,000 lm	<b>27K8</b> 2700K, 80 CRI	<b>FR</b> Type I/Front Row		<b>347</b> 347V
		<b>24L-65</b> 7,000 lm	<b>3K7</b> 3000K, 70 CRI	<b>2</b> Type II	<b>L</b> <sup>1</sup> Optic rotation left	<b>480</b> 480V
		<b>56L-75</b> 10,000 lm	<b>3K8</b> 3000K, 80 CRI	<b>3</b> Type III	<b>R</b> <sup>1</sup> Optic rotation right	<b>DALI</b> 120-277V
		<b>56L-110</b> 15,000 lm	<b>35K8</b> 3500K, 80 CRI	<b>4</b> Type IV		<b>Consult factory</b>
		<b>56L-140</b> 17,000 lm	<b>3K9</b> 3000K, 90 CRI	<b>4W</b> Type IV Wide		
		<b>HDL - High Diffusion Lens</b>	<b>4K7</b> 4000K, 70 CRI	<b>5QM</b> Type V Square Medium		
		<b>28L-30</b> 3,000 lm	<b>4K8</b> 4000K, 80 CRI	<b>5QN</b> Type V Square Narrow		
		<b>28L-70</b> 7,000 lm	<b>5K7</b> 5000K, 70 CRI	<b>5R</b> Type V Rectangular		
		<b>68L-80</b> 9,000 lm	Consult factory for other CCTs and CRIs	<b>5W</b> Type V Wide (Round)		
		<b>68L-115</b> 13,000 lm		<b>HDL - High Diffusion Lens</b>		
		<b>68L-150</b> 15,000 lm		<b>3</b> Type III/Asymmetric		
				<b>5W</b> Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
<b>FM33</b> Flush mt 3.0" OD pole, 3" fixture base	<b>BLS</b> Black Gloss Smooth <b>BLT</b> Black Matte Textured	<b>7PR-TL</b> 7 pin PCR with twist lock photocontrol	<b>BC</b> <sup>6</sup> Back-light Control	<b>SW7PR</b> <sup>2,3</sup> SiteSync™ with 7 pin PCR
<b>FM44</b> Flush mt 3.6" to 4.0" OD pole, 4" fixture base	<b>DBS</b> Dark Bronze Gloss Smooth	<b>7PR-SC</b> 7 pin PCR with shorting cap	<b>SF</b> Single Fuse <b>DF</b> Double Fuse	<b>SWUSB</b> SiteSync™ Software on USB
<b>PT23</b> 3" Post Top mount for 2 3/8" OD x 4" Long Tenon	<b>DBT</b> Dark Bronze Matte Textured	<b>7PR</b> 7 pin PCR, wireless control enabled	<b>CLR</b> <sup>5,6,13</sup> Clear Lens <b>TPL</b> Tamper proof latch	<b>SWTAB</b> <sup>10</sup> SiteSync™ Windows™ Tablet
<b>PT24</b> 4" Post Top mount for 2 3/8" OD T x 4" Long Tenon	<b>GTT</b> Graphite Matte Textured	<b>AD-01</b> <sup>2</sup> AstroDIM: 50% output at midnight	<b>CP</b> <sup>5, 6, 12</sup> Clear Polycarbonate Lens	<b>SWBRG</b> SiteSync™ Wireless Bridge Node
<b>PT34</b> 4" Post Top mount for 2 7/8" OD x 4" Long Tenon	<b>LGS</b> Light Grey Gloss Smooth	<b>AD-02</b> <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	<b>WBFM3</b> Wall Bracket Arm for FM33 or FMSA33	<b>WIR-RME-L</b> w/SCAPE External Fixture Module
<b>FMSA33</b> Solo Arm Post Top Flush Mount 3.0" OD Pole, 3" fixture base	<b>LGT</b> Light Grey Matte Textured	<b>AD-03</b> <sup>2</sup> AstroDIM: 50% output 10PM	<b>WBFM4</b> Wall Bracket Arm for FM44 or FMSA44	<b>SCH-R</b> Occ. Sensor for Round Pole (up to 30' MH)
<b>FMSA44</b> Solo Arm Post Top Flush Mount 3.6" to 4.0" OD Pole, 4" fixture base	<b>PSS</b> Platinum Silver Gloss Smooth	<b>AD-04</b> <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	<b>TAFM3</b> <sup>14, 16</sup> Twin Arm mount for FM33 or FMSA33	<b>SCH-S</b> Occ. Sensor for Square Pole (up to 30' MH)
<b>PTSA23</b> 3" Solo Arm Post Top Mount for 2-3/8" OD x 4" Long Tenon	<b>VGT</b> Verde Green Matte Textured	<b>NXWE</b> <sup>15</sup> NX Wireless Enabled	<b>TAFM4</b> <sup>14, 16</sup> Twin Arm mount for FM44 or FMSA44	<b>NXOFM-1R1D-UNV</b> NX 7-pin Module
<b>PTSA24</b> 4" Solo Arm Post Top Mount for 2-3/8" OD x 4" Long Tenon	<b>WHS</b> White Gloss Smooth	<b>SWP</b> <sup>2,3,4,5</sup> SiteSync Pre commission		
<b>PTSA34</b> 4" Solo Arm Post Top Mount for 2-7/8" OD x 4" Long Tenon	<b>WHT</b> White Matte Textured	<b>SWPM-40F</b> <sup>2,3,4,5, 15</sup> SiteSync with Sensor 9' to 40' MH		
	<b>Color Option</b>	<b>WSP-40F-1</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>CC</b> <sup>7</sup> Custom Color	<b>WSP-40F-2</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
		<b>WSP-40F-3</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		<b>NXSPW14F</b> <sup>2,5,15</sup> NX Wireless, PIR Sensor, 14'		
		<b>NXSPW30F</b> <sup>2,5,15</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		<b>NXSP14F</b> <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		<b>NXSP30F</b> <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.

2 Not available with other sensor or wireless control options.

3 Specify group and zone at time of order. See [www.hubbellighting.com/SiteSync](http://www.hubbellighting.com/SiteSync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node.

4 Not available with 347V and 480V.

5 24L and 56L only

6 Not available with HDL option.

7 Consult factory for custom color, marine and corrosive finish options.

8 Turtle Friendly.

9 Please see Delivered Lumens chart on Page 5 for lumen

10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks

of Microsoft Corporation in the United States and/or other countries.

11 Not available with 24L-65 and the 56L-140 configuration of the LED Engine

12 IK10 rated. Consult factory for details

13 IK08 rated. Consult factory for details

14 Pole requires 2-3/8" x 4" Long tenon

15 Not available with Solo Arm Post Top (FMSA/PTSA)

16 Order one for each pair of fixtures per pole.

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 HAS12-4188-URF-FM-DBS-SBC-ABT

**Notes:****Type:****AA1**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

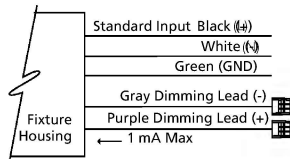
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)****DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS****WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

- Sensor up to 30'. Select voltage and finish color.

**SCH-R**

- Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

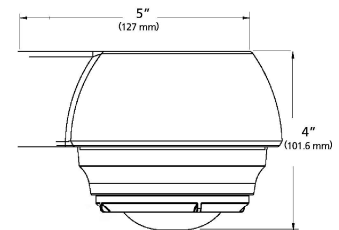
**SCH-S**

- Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277/BL<sup>3</sup>

**ASTRODIM**

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts

**CAUTION:**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 4
- IEC 66262 Mechanical Impact Code IK08, IK10
- IDA approved, 3000K and warmer CCTs only
- IP66 rated
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. See [Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**PRECOMMISSIONED SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7RFT1NU3/12L-020-3K7/42A/BL/S/SWP/UNV/LR

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Notes:

**Type:**

**AA1**

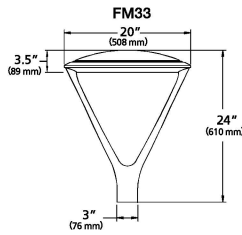
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**KIMLIGHTING**

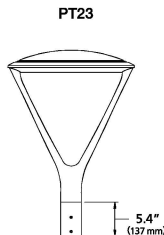
**UR20**

ARCHITECTURAL AREA/SITE

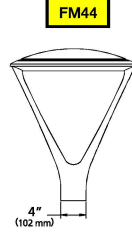
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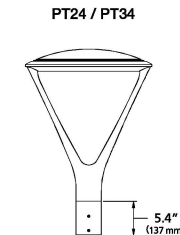
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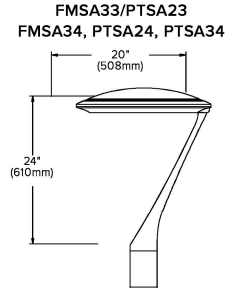
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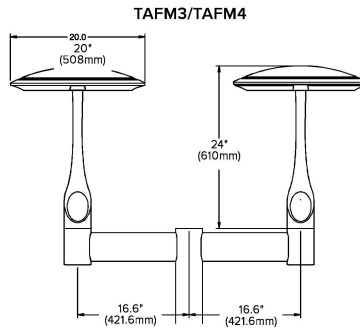
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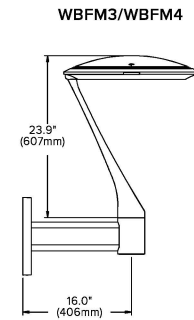
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FMSA33/PTSA23  
FMSA34, PTSA24, PTSA34

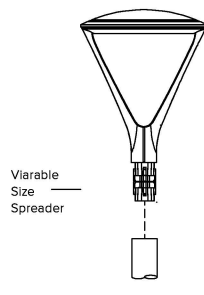


TAFM3/TAFM4



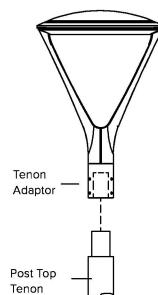
WBFM3/WBFM4

**MOUNTING INSTALLATION**



Variable Size Spreader

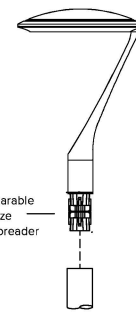
Flush Mount FM33/44



Tenon Adaptor

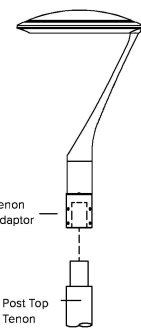
Post Top Tenon

Post Top PT23/24/34



Variable Size Spreader

Flush Mount FMSA33/34

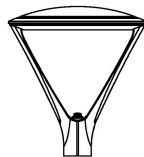


Tenon Adaptor

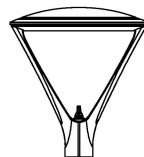
Post Top Tenon

Post Top PTSA23/24/34

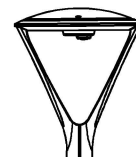
**SENSOR PLACEMENT**



NXWE



SWP



WSP-40F

**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top		UR 20 Solo Arm	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G	FMSA33	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G	FMSA34	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G	PTSA23	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G	PTSA24	1.5G
				PT34	1.5G	PT25	1.5G	PTSA34	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Bridge/Overpass Applications



**Job Name:**  
 West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**  
 UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:**

**AA1**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

**DELIVERED LUMENS**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI											
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w					
							B	U	G			B	U	G			B	U	G						
24L	3,000	298mA	25	No lens	FR	2932	0	0	1	115	3119	0	0	1	123	3098	0	0	1	124					
					FR-BC	1994	0	0	0	78	2121	0	0	0	83	2107	0	0	0	83					
					2	2943	1	0	1	116	3099	1	0	1	122	3110	1	0	1	124					
					2-BC	1724	0	0	1	68	1834	0	0	1	72	1822	0	0	1	72					
					3	3007	1	0	1	118	3200	1	0	1	126	3178	1	0	1	127					
					3-BC	1830	0	0	1	73	1947	0	0	1	78	1934	0	0	1	77					
					4	3056	0	0	1	120	3251	0	0	1	128	3229	0	0	1	129					
					4-BC	2235	0	0	1	88	2377	0	0	1	93	2362	0	0	1	93					
					4W	3171	1	0	1	125	3374	1	0	1	133	3351	1	0	1	134					
					4W-BC	1912	0	0	1	75	2034	0	0	1	80	2020	0	0	1	79					
					5QM	2931	2	0	1	115	3119	2	0	1	123	3098	2	0	1	124					
					5QN	2694	2	0	1	106	2866	2	0	1	113	2847	2	0	1	114					
					5R	3054	2	0	2	120	3250	2	0	2	128	3228	2	0	2	129					
					5W	3043	2	0	1	120	3237	2	0	1	127	3216	2	0	1	129					
					28L	3,000	298mA	30	HDL lens	FR	2773	0	0	1	109	2951	0	0	1	116	2930	0	0	1	117
										FR-BC	1886	0	0	1	74	2007	0	0	1	79	1993	0	0	1	78
										2	2784	1	0	1	109	2963	1	0	1	116	2942	1	0	1	118
										2-BC	1631	0	0	1	64	1736	0	0	1	68	1723	0	0	1	67
										3	2845	1	0	1	111	3028	1	0	1	119	3007	1	0	1	120
										3BC	1806	0	0	1	72	1922	0	0	1	77	1909	0	0	1	76
4	2891	0	0	1						113	3076	0	0	1	120	3055	0	0	1	122					
4-BC	2114	0	0	1						83	2250	0	0	1	88	2234	0	0	1	88					
4W	2999	1	0	1						117	3192	1	0	1	125	3169	1	0	1	127					
4W-BC	1808	0	0	1						71	1924	0	0	1	75	1911	0	0	1	76					
5QM	2773	1	0	1						109	2950	2	0	1	116	2931	2	0	1	117					
5QN	2549	1	0	0						100	2712	2	0	1	106	2693	2	0	1	108					
5R	2890	2	0	2						113	3075	2	0	2	120	3054	2	0	2	122					
5W	2879	2	0	1						113	3064	2	0	1	120	3042	2	0	1	122					
3	2816	1	0	1						96	2997	1	0	1	102	3020	1	0	1	101					
5W	2917	1	0	1						100	3105	1	0	1	106	3084	1	0	1	103					

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages





**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:**

**AA1**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

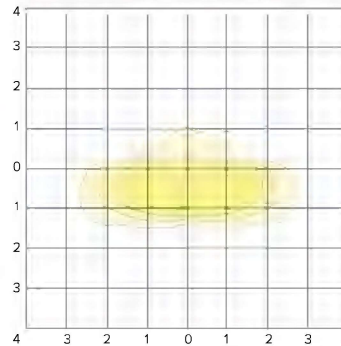
**PHOTOMETRY**

UR20-56L-140-4K7-FR-PT

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16306
Watts	140
Efficacy	116.5
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

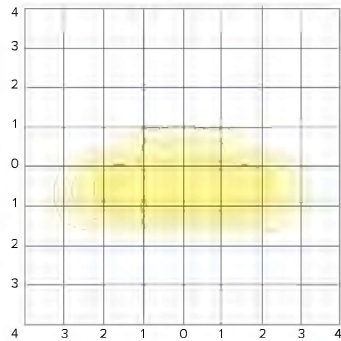
Zone	Lumens	% Luminaire
Downward Street Side	14198	87.1%
Downward House Side	2108	12.9%
Downward Total	16306	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16306	100%

UR20-56L-140-4K7-2-PT

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	15852
Watts	140
Efficacy	113.2
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

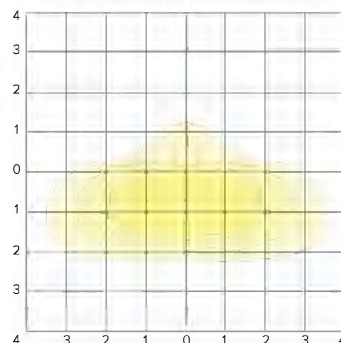
Zone	Lumens	% Luminaire
Downward Street Side	12851	81.1%
Downward House Side	3001	18.9%
Downward Total	15852	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	15852	100%

UR20-56L-140-4K7-3-PT

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	15996
Watts	140
Efficacy	114.3
IES Type	III
BUG Rating	B2-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	13422	83.9%
Downward House Side	2574	16.1%
Downward Total	15996	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	15996	100%





**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS /  
HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:****AA1**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

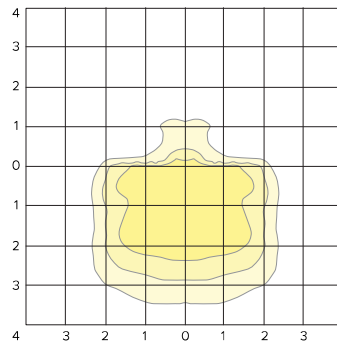
UR20-56L-140-4K7-4-PT

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16387
Watts	140
Efficacy	117.1
IES Type	IV
BUG Rating	B1-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14697	89.7%
Downward House Side	1690	10.3%
Downward Total	16387	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16387	100%

**ISOFOOT CANDLE PLOT**

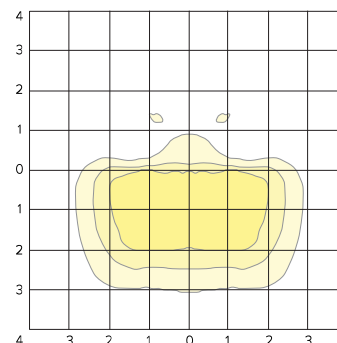
UR20-56L-140-4K7-4W-PT

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16660
Watts	138
Efficacy	120.7
IES Type	IV
BUG Rating	B2-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14955	89.8%
Downward House Side	1705	10.2%
Downward Total	16660	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16660	100%

**ISOFOOT CANDLE PLOT**

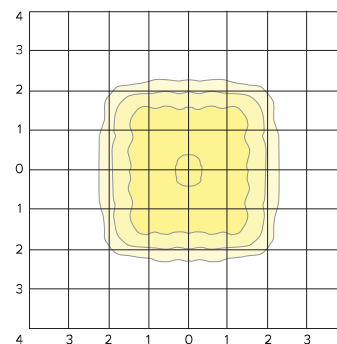
UR20-56L-140-4K7-5QM-PT

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16962
Watts	140
Efficacy	121.2
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8481	50.0%
Downward House Side	8481	50.0%
Downward Total	16962	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16962	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS /  
 HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:****AA1**

B22-559722

**UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**PHOTOMETRY**

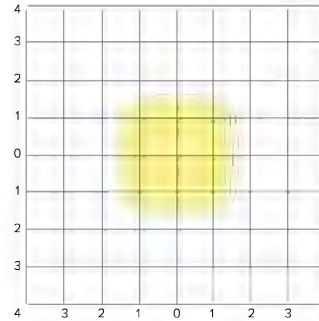
UR20-56L-140-4K7-5QN-PT

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16813</b>
Watts	<b>140</b>
Efficacy	<b>120.1</b>
IES Type	<b>VS</b>
BUG Rating	<b>B4-U0-G1</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8407	50.0%
Downward House Side	8407	50.0%
Downward Total	16813	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16813	100%

**ISOFOOT CANDLE PLOT**

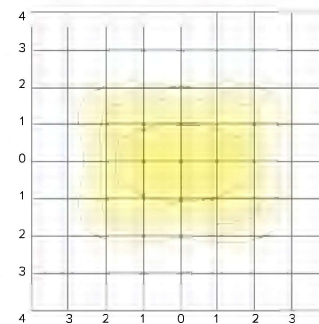
UR20-56L-140-4K7-5R-PT

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16990</b>
Watts	<b>140</b>
Efficacy	<b>121.4</b>
IES Type	<b>III</b>
BUG Rating	<b>B4-U0-G4</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8495	50.0%
Downward House Side	8495	50.0%
Downward Total	16990	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16990	100%

**ISOFOOT CANDLE PLOT**

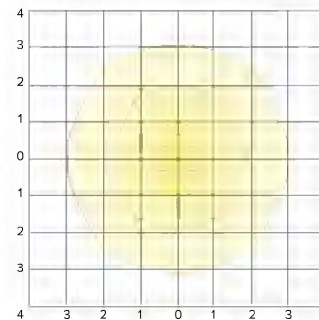
UR20-56L-140-4K7-5W-PT

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16925</b>
Watts	<b>140</b>
Efficacy	<b>120.9</b>
IES Type	<b>VS</b>
BUG Rating	<b>B4-U0-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8463	50.0%
Downward House Side	8463	50.0%
Downward Total	16925	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16925	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:**

**AA1**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

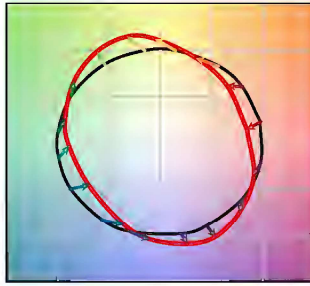
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

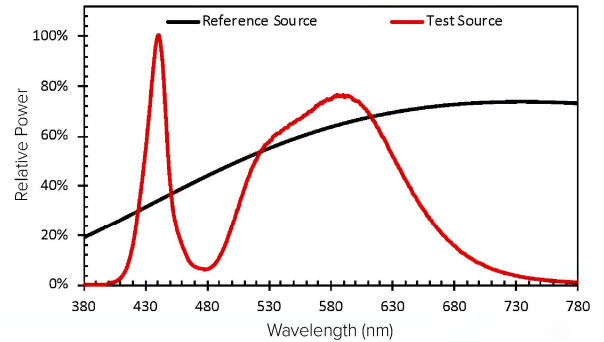


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>f</sub>	68
R <sub>g</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming			
					Source current out of 0-10V		Absolute voltage range on 0-10V (+)										
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
298mA	24	25	120-480	50/60	0.21	0.12	0.10	0.09	0.07	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
298mA	28	30			0.25	0.14	0.13	0.11	0.09	0.06							
800mA	24	65			0.54	0.31	0.27	0.23	0.19	0.14							
700mA	28	70			0.58	0.34	0.29	0.25	0.20	0.15							
420mA	56	75			0.63	0.36	0.31	0.27	0.22	0.16							
350mA	68	80			0.67	0.38	0.33	0.29	0.23	0.17							
600mA	56	110			0.92	0.53	0.46	0.40	0.32	0.23							
500mA	68	115			0.96	0.55	0.48	0.42	0.33	0.24							
850mA	56	140			1.17	0.67	0.58	0.51	0.40	0.29							
675mA	68	150			1.25	0.72	0.63	0.54	0.43	0.31							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

CRI Lumen Multiplier				
CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS /  
HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:****AA1**

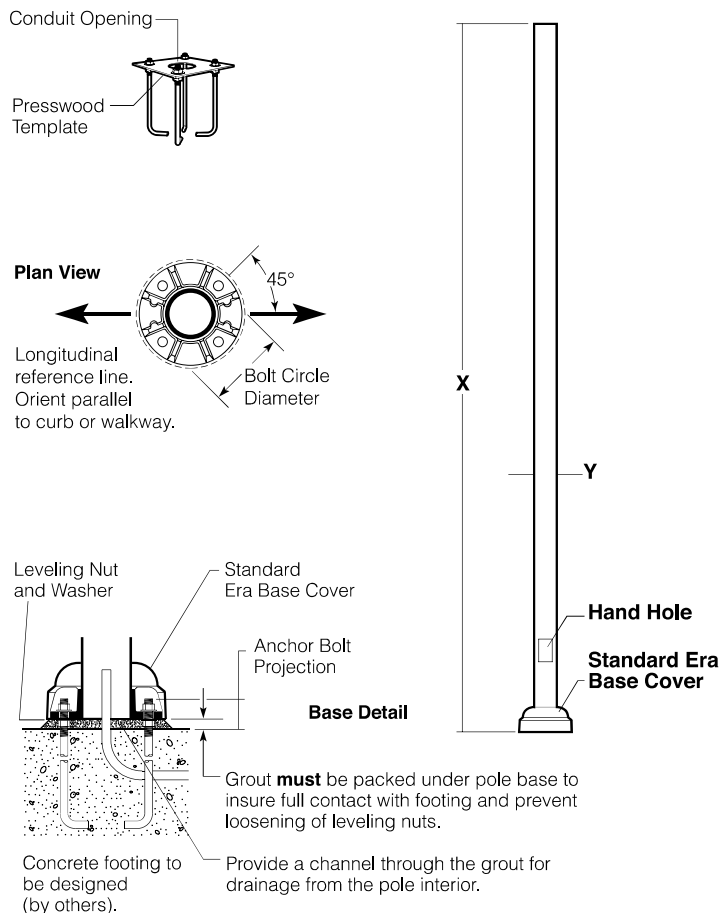
B22-559722

# ERA® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl\_has\_spec.pdf

Pole Cat. No.	Mounting	Arm Drilling Option	Pole Finish	Optional Base Cover	Optional Pole Top Cap/Finial	Optional Duplex Receptical
See page 2		See page 3		See page 4		

## Specifications



**Pole Construction:** Seamless round extruded aluminum tube of alloy 6061-T6, welded to top and bottom of aluminum base casting of alloy 356.

**Base Cover:** Two-piece, cast aluminum full cover, secured by stainless set screws. The standard base cover is the Era Base Cover. Two optional base cover styles available. (See page 4)

- 1) **HBC1** - Decorative smooth sided cast aluminum base cover.
- 2) **HBC2** - Traditional fluted side cast aluminum base cover.

**Pole Cap:** Flat cast aluminum provided for all side-mounted luminaires. Optional traditional style finial available. (See page 4)

- 1) **HF1** - Dome style cast aluminum cap.
- 2) **HF2** - Traditional style cast aluminum finial.

**Handhole:** 18" above the base cover, with a gasketed cover and ground lug.

**Anchor Bolts:** Four galvanized anchor bolts provided complete with eight nuts, eight flat washers, and a presswood template.

**Vibration Dampener:** All poles 25' and above include an internally mounted, factory installed pendulum vibration dampener, with flush stainless steel socket head fasteners finished to match pole.

**Strength:** Poles designed to withstand wind loads as listed in chart (See page 5) when luminaires are mounted per fixture installation instructions. Refer to specific Era® Collection mounting arm for specific luminaire and arm EPA.

**Finish:** Super TGIC thermoset polyester powder coat paint applied over a titanated zirconium conversion coating.

**CAUTION:** Do not install poles without luminaires or strength guarantee is voided. Any unauthorized accessories secured to pole shall void strength guarantee.

**Maintenance:** A regularly scheduled maintenance program must be established to insure the protective paint coating is intact, corrosion or structural damage has not occurred, and anchor bolt nuts are tight. Failure to do so could lead to pole collapse and serious personal injury.

**Certification:** Certified UL 1598 in accordance with Article 410 of ANSI/NFPA 70, National Electrical Code.

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT

Notes:

**Type:**

**AA1**

B22-559722



**HAS**  
 Era® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl\_has\_spec.pdf

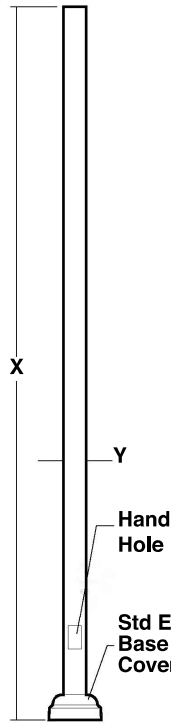
Type:

Job:

Page: 2 of 5

**Standard Features**

**NOTE:** All allowable pole and fixture EPAs (Effective Projected Area, which is Fixture Area x Drag Factor) are derived from the AASHTO standard (American Association of State Highway and Transportation Officials). Responsibility lies with the specifier for correct pole selection based on local codes and standards for the job location (See page 5).



Pole Catalog Number	X	Y	Allowable Pole EPA							Wind Map Steady Wind	
			85	90	100	110	120	130	140	150	
<input type="checkbox"/> HAS10-4188	10'	4" x .188	16.55	14.56	13.26	10.64	8.65	7.17	6.10	5.25	
<input checked="" type="checkbox"/> HAS12-4188	12'	4" x .188	13.12	11.46	10.38	8.19	6.53	5.33	4.50	3.84	
<input type="checkbox"/> HAS14-4188	14'	4" x .188	10.56	9.14	8.21	6.34	4.92	3.91	3.26	2.74	
<input type="checkbox"/> HAS16-4188	16'	4" x .188	8.56	7.31	6.50	4.86	3.62	2.76	2.25	1.85	
<input type="checkbox"/> HAS10-5188	10'	5" x .188	27.26	24.07	21.97	18.01	15.02	12.71	10.88	9.42	
<input type="checkbox"/> HAS12-5188	12'	5" x .188	21.18	19.22	17.47	14.26	11.85	9.99	8.52	7.35	
<input type="checkbox"/> HAS14-5188	14'	5" x .188	17.90	15.62	14.12	11.46	9.48	7.95	6.75	5.79	
<input type="checkbox"/> HAS16-5188	16'	5" x .188	14.80	12.81	11.50	9.26	7.61	6.34	5.34	4.55	
<input type="checkbox"/> HAS20-5188	19.5'	5" x .188	9.83	8.29	7.28	5.73	4.60	3.75	3.09	2.56	
<input type="checkbox"/> HAS10-6188	10'	6" x .188	40.66	36.17	33.42	27.49	23.00	19.51	16.75	14.53	
<input type="checkbox"/> HAS12-6188	12'	6" x .188	32.89	29.22	27.04	22.20	18.53	15.69	13.44	11.64	
<input type="checkbox"/> HAS14-6188	14'	6" x .188	27.19	24.11	22.37	18.31	15.24	12.87	11.00	9.49	
<input type="checkbox"/> HAS16-6188	16'	6" x .188	22.77	20.16	18.75	15.29	12.69	10.68	9.09	7.82	
<input type="checkbox"/> HAS20-6188	19.5'	6" x .188	15.69	13.81	12.95	10.46	8.59	7.16	6.03	5.14	
<input type="checkbox"/> HAS25-6188	25'	6" x .188	9.74	8.46	8.07	6.38	5.12	4.17	3.43	2.85	
<input type="checkbox"/> HAS25-6250	25'	6" x .250	16.92	14.86	13.96	11.25	9.22	7.66	6.44	5.47	
<input type="checkbox"/> HAS30-6188	30'	6" x .188	5.61	4.74	4.69	3.54	2.71	2.08	1.60	1.23	
<input type="checkbox"/> HAS30-6250	30'	6" x .250	11.37	9.88	9.42	7.45	5.99	4.88	4.02	3.34	
<input type="checkbox"/> HAS30-6400 <sup>1</sup>	30'	6" x .400	20.33	17.87	16.78	13.53	11.10	9.23	7.77	6.61	

<sup>1</sup>Pole reinforced, to 40" above base, to .400", remaining section is .250"

**Anchor Base and Bolt Detail**

Pole Height	Pole Diameter	Bolt Circle DIA	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
10'-16'	4"	8½"	3¾"	¾" x 15" + 3"	11" DIA	3" DIA
10'-14'	5"	8½"	3¾"	¾" x 15" + 3"	11 7/8" DIA	3" DIA
16'-20'	5"	8½"	3¾"	¾" x 30" + 4"	11 7/8" DIA	3" DIA
10'-30'	6"	10½"	3C"	¾" x 30" + 4"	14" DIA	5" DIA

**Mounting**

Flush Mount       Side Arm

**Plan Views:**

**Mounting:**  FM     A    SA     B    SB     L    SL     T    ST     Y    SY     C    SC

**NOTE:** Allowable Pole EPA for jobsite wind conditions must be equal to or greater than fixture mount EPA. Please refer to Kim luminaire catalog for specific fixture.

**Available Arm Drilling**

Please see pole drilling requirements in specific Kim luminaire catalog.

HA02S    HA02L     HA14S    HA14L     HA34S    HA34L     HA38S    HA38L  
 HA11S    HA11L     HA31S    HA31L     HA35S    HA35L     NO OPTION  
 HA12S    HA12L     HA32S    HA32L     HA36S    HA36L  
 HA13S    HA13L     HA33S    HA33L     HS37S    HA37L

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS /  
 HAS12-4188-URF-FM-DBS-SBC-ABT

**Notes:****Type:****AA1**

B22-559722



# HAS

## Era® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl\_has\_spec.pdf

### Standard Features

**Finish**

Super TGIC powder coat paint over a titanated zirconium conversion coating.

Cat. No.: Color:

- BLS** Black Gloss Smooth  
 **BLT** Black Matte Textured  
 **DBS** Dark Bronze Gloss Smooth  
 **DBT** Dark Bronze Matte Textured  
 **GTT** Graphic Matte Textured  
 **LGS** Light Grey Gloss Smooth

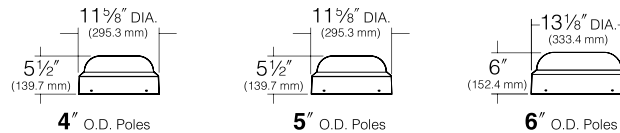
Cat. No.: Color:

- LGT** Light Grey Matte Textured  
 **PSS** Platinum Silver Gloss Smooth  
 **VGT** Verde Green Matte Textured  
 **WHS** White Gloss Smooth  
 **WHT** White Matte Textured  
 **CC** Custom Color

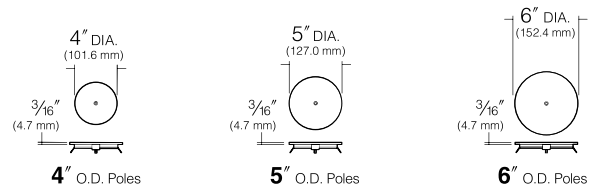
Custom color subject to additional charges, minimum quantities and extended lead times.  
 Consult representative. Custom color description: \_\_\_\_\_

**Standard Era®  
 Base Cover**

The standard Era Base Cover is a heavy and durable cast aluminum component, configured in two halves for easy attachment after the pole is raised and set onto the anchor bolts.

**Standard Flat Pole Cap**

The standard Flat Pole Cap is cast aluminum, secured by a single top screw activating an internal expansion clip.



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-24L-25-3K7-5QM-UNV-FM44-DBS /  
 HAS12-4188-URF-FM-DBS-SBC-ABT

**Notes:****Type:****AA1**

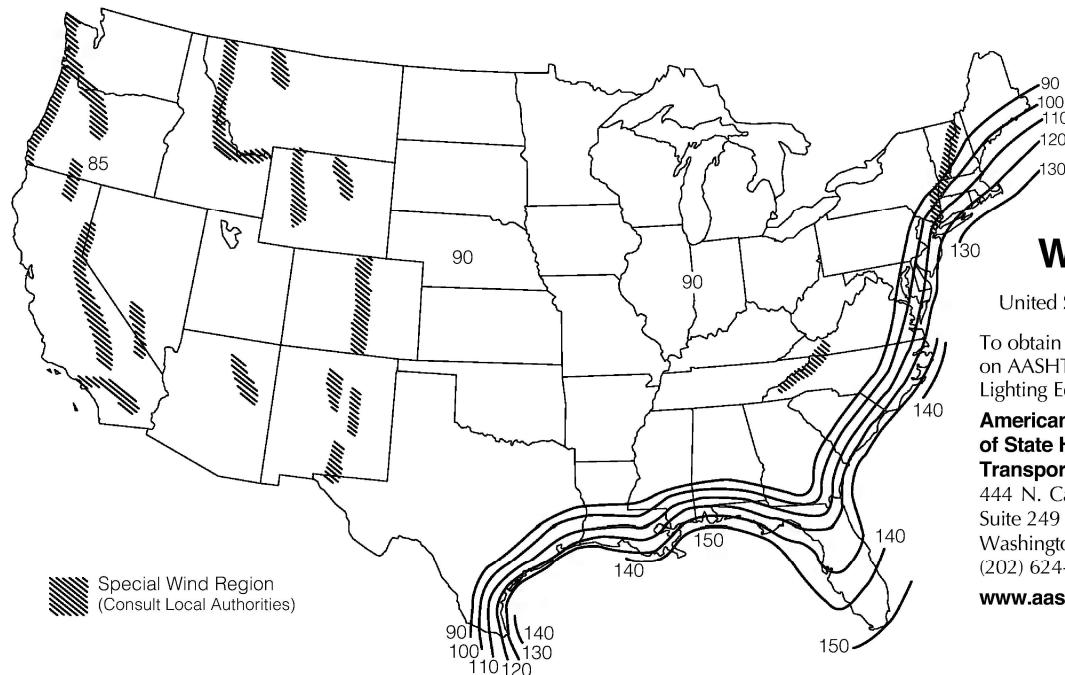
B22-559722



# HAS

## Era® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl\_has\_spec.pdf

**Type:****Job:****Page: 5 of 5****Wind Map**

United States and Canada

To obtain more information on AASHTO Standards for Lighting Equipment contact:

**American Association of State Highway and Transportation Officials:**  
 444 N. Capitol Street, NW,  
 Suite 249  
 Washington, DC 20001  
 (202) 624-5800

[www.aashto.org](http://www.aashto.org)

**NOTES:**

- Values are based on 50 year mean recurrence interval 30' above grade.
- Hawaii has an **105 mph** wind velocity.
- Puerto Rico has a **125 mph** wind velocity.
- Caution must be exercised in determining wind velocities in special wind areas such as:
  - Mountainous Regions
  - Areas surrounding the Great Lakes or other large bodies of water or open land.
  - Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.
  - Areas adjacent to airports.
  - Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than fixture EPA. Responsibility lies with the specifier for correct pole selection based on AASHTO wind map and job location.

- The Wind Map is intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- **CAUTION:** Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide. Consult AASHTO standards.
- Extreme Wind Events: Hurricanes, Typhoons, Cyclones, or Tornadoes expose poles to flying debris, wind shear, and other unpredictable aerodynamic forces not indicated by the wind velocity ratings.
- Pole Strength Limited Warranty: Standard, unmodified Kim lighting Poles installed as recommended, undamaged by corrosion, or lack of maintenance, shall withstand steady wind conditions as provided on page 2 (Allowable Pole EPA). Installation of poles without luminaires, or attachment of any unauthorized accessories to poles shall void this warranty.

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB1**

B22-559722

**KIM LIGHTING®**

**UR20**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 20" size in post top, pole and wall mount
- High performance optics up to 17,000 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



**CONTROL TECHNOLOGY**



**SPECIFICATIONS**

**CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module.
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

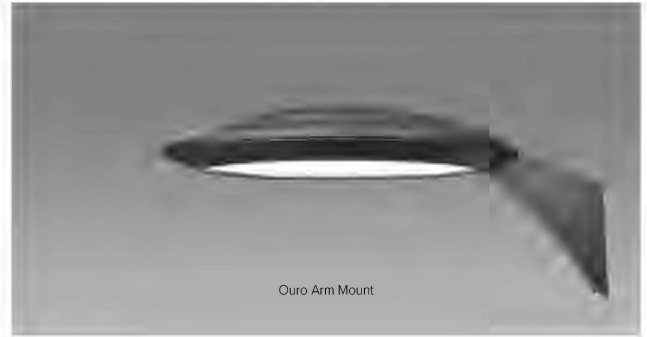
**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

<sup>1</sup> Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

DATE: LOCATION:  
 TYPE: PROJECT:  
 CATALOG #:

**Ouro™**



**RELATED PRODUCTS**

- Ø [Ouro Small Post Top](#)
- Ø [Ouro Large Post Top](#)
- Ø [Ouro Large Arm Mount](#)

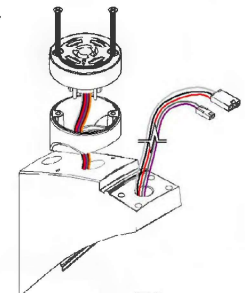
**CONTROLS**

**7PR**

- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7PR OPTION (Specifications continued on page 3)

KEY DATA	
Lumen Range	2888 - 17080
Wattage Range	25 - 150
Efficacy Range (LPW)	100 -136
Reported Life (Hours)	L70/>60,000
Weight	32 lbs - 14.5 Kg
EPA	0.372





**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB1**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**ORDERING GUIDE**

Example: UR20-24L-25-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG #

**HOUSING**

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
<b>UR20</b> <b>Ouro</b>	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>11</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
	24L-25 3,000 lm	27K8 2700K, 80 CRI	FR Type I/Front Row		347 347V
	24L-65 7,000 lm	3K7 3000K, 70 CRI	2 Type II	L <sup>1</sup> Optic rotation left	480 480V
	56L-75 10,000 lm	3K8 3000K, 80 CRI	3 Type III	R <sup>1</sup> Optic rotation right	DALI 120-277V
	56L-110 15,000 lm	3K8 3000K, 80 CRI	4 Type IV		'Consult factory
	56L-140 17,000 lm	35K8 3500K, 80 CRI	4W Type IV Wide		
	<b>HDL - High Diffusion Lens</b>	3K9 3000K, 90 CRI	5QM Type V Square Medium		
	28L-30 3,000 lm	4K7 4000K, 70 CRI	5QN Type V Square Narrow		
	28L-70 7,000 lm	4K8 4000K, 80 CRI	5R Type V Rectangular		
	68L-80 9,000 lm	5K7 5000K, 70 CRI	5W Type V Wide (Round)		
	68L-115 13,000 lm	Consult factory for other CCTs and CRIs	<b>HDL - High Diffusion Lens</b>		
	68L-150 15,000 lm		3 Type III/Asymmetric		
			5W Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
ASQ Arm Square pole	BLS Black Gloss Smooth	7PR-TL 7 pin PCR with twist lock photocontrol	BC <sup>6</sup> Back-light Control	SW7PR <sup>2,3</sup> SiteSync™ with 7 pin PCR
A34 Arm mt 3.3-4.2" OD pole	BLT Black Matte Textured	7PR-SC 7 pin PCR with shunting cap	SF Single Fuse	SWUSB SiteSync™ Software on USB
A46 Arm mt 4.5-6.0" OD pole	DBS Dark Bronze Gloss Smooth	7PR 7 pin PCR, wireless control enabled	DF Double Fuse	SWTAB <sup>10</sup> SiteSync™ Windows® Tablet
MAF Horizontal Slip Fitter 2 3/8" OD arm	DBT Dark Bronze Matte Textured	AD-01 <sup>2</sup> AstroDIM: 50% output at midnight	TB Terminal Block	SWBRG SiteSync™ Wireless Bridge Node
SVSF Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	GTT Graphite Matte Textured	AD-02 <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	CLR <sup>5,6,13</sup> Clear Lens	WIR-RME-L w/ISCAPE™ External Fixture Module
VSF Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	LGS Light Grey Gloss Smooth	AD-03 <sup>2</sup> AstroDIM: 50% output 10PM	TPL Tamper proof latch	SCH-R Occ. Sensor for Round Pole (up to 30' MH)
WB Wall Bracket	LGT Light Grey Matte Textured	AD-04 <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	CP <sup>12</sup> Clear Polycarbonate Lens	SCH-S Occ. Sensor for Square Pole (up to 30' MH)
	PSS Platinum Silver Gloss Smooth	NXWE NX Wireless Enabled		NXOFM-1R1D-UNV NX 7-pin Module
	VGT Verde Green Matte Textured	SWP <sup>2,3,4</sup> SiteSync™ Pre commission		
	WHS White Gloss Smooth	SWPM-40F <sup>2,3,4,5</sup> SiteSync™ with Sensor 9' to 40' MH		
	WHT White Matte Textured	WSP-40F-1 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>Color Option</b>	WSP-40F-2 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	CC <sup>7</sup> Custom Color	WSP-40F-3 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		NXSPW14F <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		NXSPW30F <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		NXSP14F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		NXSP30F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node  
 4 Not available with 347V and 480V.  
 5 24L and 56L only  
 6 Not available with HDL option  
 7 Consult factory for custom color, marine and corrosive finish options.

8 Turtle Friendly.  
 9 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 24L-65 and the 56L-140 configuration of the LED Engine  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details



**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

**Notes:****Type:****AB1**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

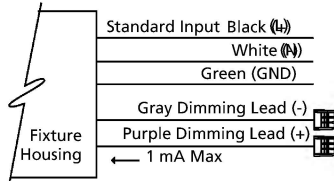
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)****DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS  
WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-R**

Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

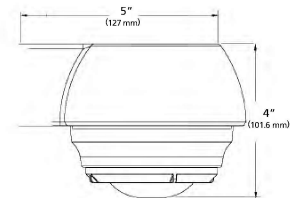
**SCH-S**

Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277/BL<sup>3</sup>

**ASTRODIM**

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

**Notes:****Type:****AB1**

B22-559722

**KIM LIGHTING****UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****MOUNTING**

- High temperature fuse holders factory installed inside the fixture housing.
- Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

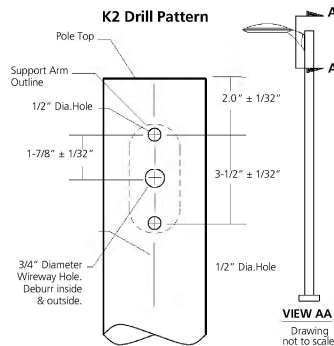
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 5
- IEC 66262 Mechanical Impact Code IK08, IK10
- IDA approved, 3000K and warmer CCTs only.
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**\*PRECOMMISSIONED SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7R/FT/NU3/12L-020-3K7/42A/BLS/SWP/UNV/LR



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB1**

B22-559722

**KIM LIGHTING**

**UR20**

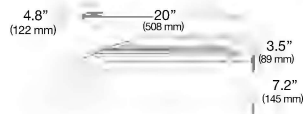
ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

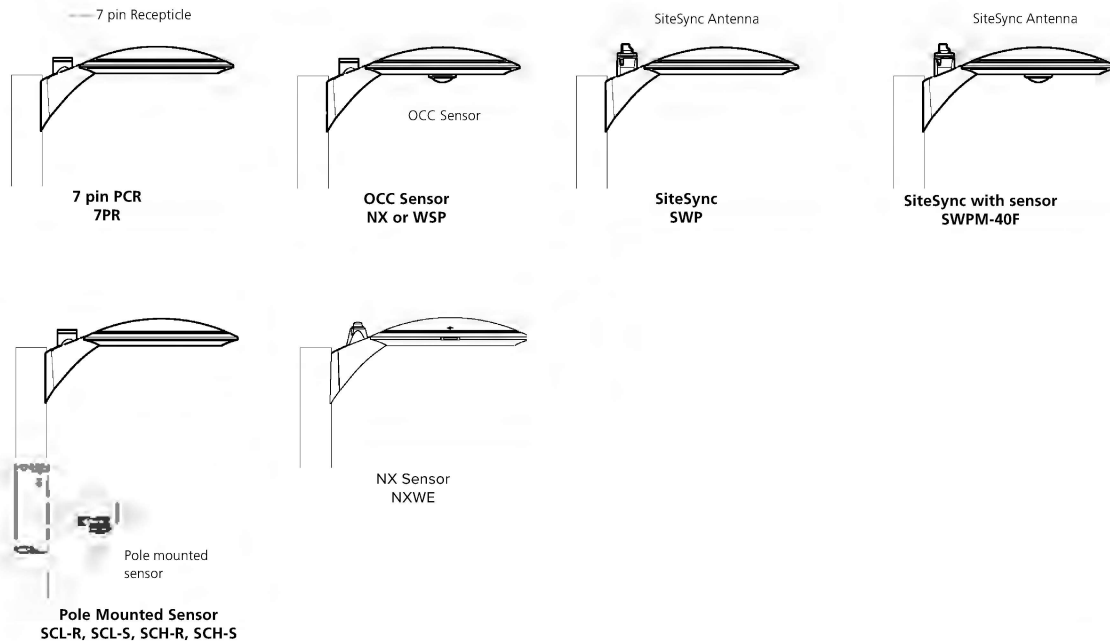
CATALOG #:

**DIMENSIONS**



Weight: 32 lbs EPA: 372

**SENSOR PLACEMENT**



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB1**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**DELIVERED LUMENS (CONTINUED)**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI			4000K 70CRI			5000K 70CRI								
						Lumen	BUG Rating			Lumen	BUG Rating			Lumen	BUG Rating					
							B	U	G		B	U	G		B	U	G			
56L	15,000	600mA	110	No lens	FR	15041	1	0	2	139	16005	1	0	2	147	15895	1	0	2	146
					FR-BC	9451	0	0	1	87	10056	0	0	1	93	9987	0	0	1	92
					2	13900	2	0	2	128	14791	2	0	2	136	14689	2	0	2	135
					2-BC	8159	0	0	2	75	8682	0	0	2	80	8623	0	0	2	79
					3	13808	2	0	3	127	14692	2	0	3	135	14592	2	0	3	134
					3-BC	8256	1	0	2	75	8785	1	0	2	80	8725	1	0	2	79
					4	13878	1	0	3	128	14768	1	0	3	136	14667	1	0	3	135
					4-BC	10283	1	0	2	95	10942	1	0	3	101	10867	1	0	3	100
					4W	14135	2	0	3	130	15041	2	0	4	139	14938	2	0	3	138
					4W-BC	8877	0	0	2	82	9446	0	0	2	87	9381	0	0	2	86
				5QM	14402	4	0	2	133	15325	4	0	2	141	15220	4	0	2	140	
				5QN	14957	4	0	1	138	15915	4	0	1	147	15806	4	0	1	146	
				5R	14275	4	0	4	132	15190	4	0	4	140	15086	4	0	4	139	
				5W	14120	4	0	2	130	15025	4	0	2	138	14922	4	0	2	138	
				clear lens	FR	14230	1	0	1	132	15142	1	0	2	140	15038	1	0	2	139
					FR-BC	8941	0	0	1	83	9514	0	0	1	88	9449	0	0	1	87
					2	13151	2	0	2	122	13994	2	0	2	129	13898	2	0	2	129
					2-BC	7720	0	0	2	71	8215	0	0	2	76	8158	0	0	2	75
					3	13064	2	0	2	121	13901	2	0	2	129	13806	2	0	2	128
					3-BC	7645	1	0	2	69	8135	1	0	2	74	8079	1	0	2	73
4	13131	1	0		3	121	13972	1	0	3	129	13876	1	0	3	128				
4-BC	9729	1	0		2	90	10353	1	0	2	94	10282	1	0	2	95				
4W	13374	2	0		3	124	14231	2	0	3	132	14134	2	0	3	131				
4W-BC	8399	0	0		2	78	8937	0	0	2	83	8876	0	0	2	82				
5QM	13626	3	0	2	126	14500	4	0	2	134	14400	4	0	2	133					
5QN	14151	4	0	1	131	15058	4	0	1	139	14955	4	0	1	138					
5R	13506	4	0	4	125	14372	4	0	4	133	14273	4	0	4	132					
5W	13359	4	0	2	124	14215	4	0	2	132	14118	4	0	2	131					
68L	500mA	115	HDL lens	3	12410	3	0	2	109	13206	3	0	3	116	13115	3	0	3	116	
				5W	12691	3	0	2	112	13505	3	0	2	119	13412	3	0	2	118	

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages



**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

Notes:

**Type:****AB1**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

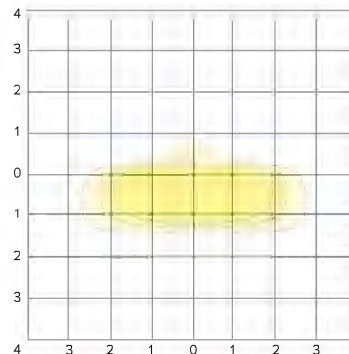
UR20-56L-140-4K7-FR

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>18123</b>
Watts	<b>140</b>
Efficacy	<b>129.5</b>
IES Type	<b>II</b>
BUG Rating	<b>B2-U0-G2</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	16164	89.2%
Downward House Side	1959	10.8%
Downward Total	18123	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18123	100%

**ISOFOOT CANDLE PLOT**

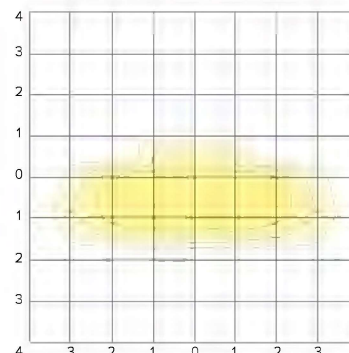
UR20-56L-140-4K7-2

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16748</b>
Watts	<b>140</b>
Efficacy	<b>119.6</b>
IES Type	<b>II</b>
BUG Rating	<b>B2-U0-G2</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	13888	82.9%
Downward House Side	2860	17.1%
Downward Total	16748	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16748	100%

**ISOFOOT CANDLE PLOT**

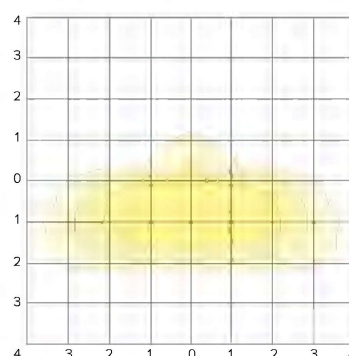
UR20-56L-140-4K7-3

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16637</b>
Watts	<b>140</b>
Efficacy	<b>118.8</b>
IES Type	<b>III</b>
BUG Rating	<b>B2-U0-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14461	86.9%
Downward House Side	2176	13.1%
Downward Total	16637	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16637	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

Notes:

**Type:****AB1**

B22-559722

**KIM LIGHTING****UR20**

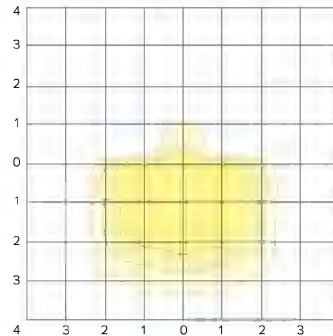
ARCHITECTURAL AREA/SITE

**PHOTOMETRY****UR20-56L-140-4K7-4****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16722
Watts	140
Efficacy	119.4
IES Type	IV
BUG Rating	B1-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

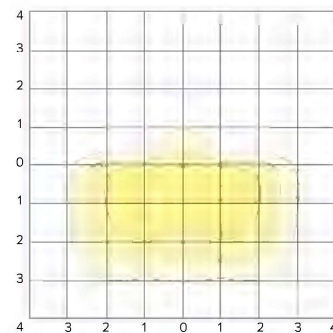
Zone	Lumens	% Luminaire
Downward Street Side	15112	90.4%
Downward House Side	1610	9.6%
Downward Total	16722	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16722	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-4W****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17033
Watts	138
Efficacy	123.4
IES Type	IV
BUG Rating	B2-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

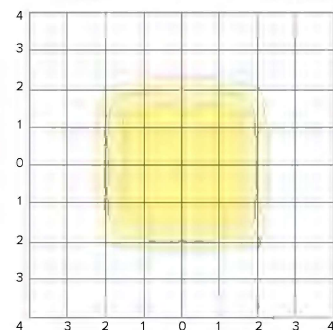
Zone	Lumens	% Luminaire
Downward Street Side	15040	88.3%
Downward House Side	1993	11.7%
Downward Total	17033	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17033	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-5QM****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17354
Watts	140
Efficacy	124.0
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8677	50.0%
Downward House Side	8677	50.0%
Downward Total	17354	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17354	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

**Notes:****Type:****AB1**

B22-559722

**KIMLIGHTING****UR20**

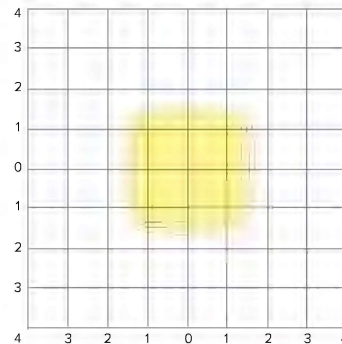
ARCHITECTURAL AREA/SITE

**PHOTOMETRY****UR20-56L-140-4K7-5QN****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	18023
Watts	140
Efficacy	128.7
IES Type	VS
BUG Rating	B4-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

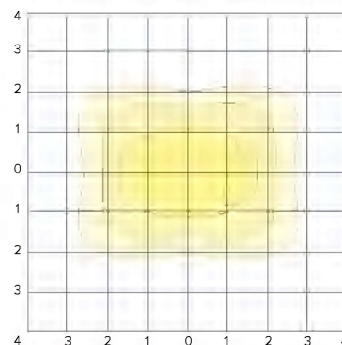
Zone	Lumens	% Luminaire
Downward Street Side	9012	50.0%
Downward House Side	9012	50.0%
Downward Total	18023	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18023	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-5R****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17201
Watts	140
Efficacy	122.9
IES Type	III
BUG Rating	B4-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

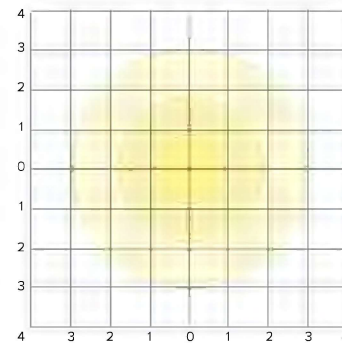
Zone	Lumens	% Luminaire
Downward Street Side	8601	50.0%
Downward House Side	8601	50.0%
Downward Total	17201	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17201	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-5W****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17014
Watts	140
Efficacy	121.5
IES Type	III
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8507	50.0%
Downward House Side	8507	50.0%
Downward Total	17014	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17014	100%

**ISOFOOT CANDLE PLOT**



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB1**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

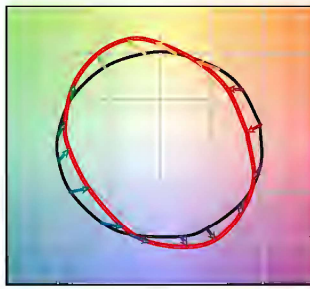
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

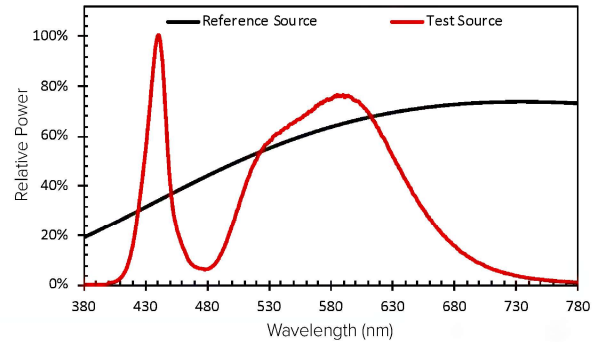


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>t</sub>	68
R <sub>s</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming		Absolute voltage range on 0-10V (+)	
					Source current out of 0-10V		Absolute voltage range on 0-10V (+)										
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
298mA	24	25	120-480	50/60	0.21	0.12	0.10	0.09	0.07	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
298mA	28	30			0.25	0.14	0.13	0.11	0.09	0.06							
800mA	24	65			0.54	0.31	0.27	0.23	0.19	0.14							
700mA	28	70			0.58	0.34	0.29	0.25	0.20	0.15							
420mA	56	75			0.63	0.36	0.31	0.27	0.22	0.16							
350mA	68	80			0.67	0.38	0.33	0.29	0.23	0.17							
600mA	56	110			0.92	0.53	0.46	0.40	0.32	0.23							
500mA	68	115			0.96	0.55	0.48	0.42	0.33	0.24							
850mA	56	140			1.17	0.67	0.58	0.51	0.40	0.29							
675mA	68	150			1.25	0.72	0.63	0.54	0.43	0.31							

**TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)**

Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

**CRI Lumen Multiplier**

CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

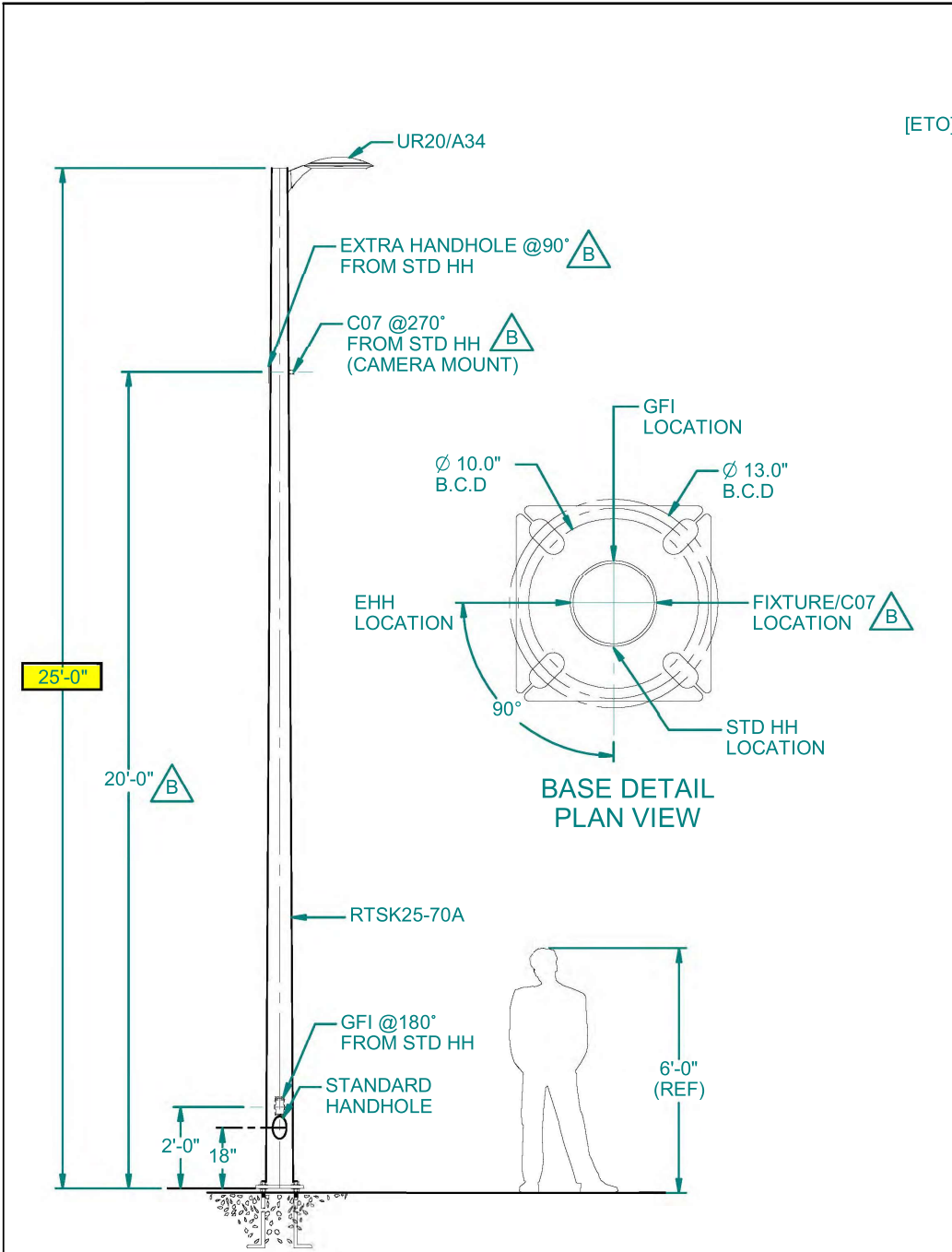
UR20-56L-110-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB1**

B22-559722



TYPE	AB1P/AB2P/AB3P
CATALOG NUMBER	UR20/A34 (SINGLE)
[ETO]	RTSK25-70A-1-K2-BLS-MOD GF1180-02-EHH90-20-C07-270-20 <span style="border: 1px solid black; padding: 2px;">B</span>
<b>FINISH: POLYESTER POWDER COAT</b>	
KIM COLOR:	BLS
TO MATCH:	
PROVIDE A SAMPLE COLOR CHIP	
LIGHT ENGINE	SPECIFY
DRIVE CURRENT or WATTAGE	SPECIFY
VOLTAGE	SPECIFY
REFER TO SPECIFICATION SHEET FOR ADDITIONAL ELECTRICAL CHARACTERISTICS AND PHOTOMETRIC DATA	
<b>ANCHOR BOLTS</b>	
QTY	4
SIZE	1" x 36" x 4"
BOLT CIRCLE	10" - 13"
PROJECTION	4.25"
LEVELING NUTS AND WASHERS MUST BE INSTALLED UNDER ALL BASES	
ONE APPROVED DRAWING MUST BE RETURNED TO KIM BEFORE THIS PRODUCT CAN BE FABRICATED	
WARNING: THIS FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH LOCAL CODES OR THE NATIONAL ELECTRICAL CODE. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY.	
* KIM LIGHTING ASSUMES NO RESPONSIBILITY OF HARM CAUSED BY FAILURES DUE TO IMPROPER SITE ANALYSIS OR USAGE OF PRODUCTS OTHER THAN THEIR INTENDED PURPOSE AS SHOWN IN THIS DOCUMENT.	

SOLD TO:

PO#

JOB NAME:

WEST COUNTY TRANSPORTATION 367 WEST ROBLES



**Hubbell Lighting, Inc.**

CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

X \_\_\_\_\_



**KIM LIGHTING**

17760 Rowland St.  
 City of Industry, CA 91748  
 (626)968-5666

KIM Lighting Reserves The Right To Change Manufacturing Processes Without Notice.

**22K-0051**

DATE	DRWN
04/04/2022	PK
DATE	APPRVD
04/04/2022	AUG
DATE	REV.
06/01/2022	B

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB2**

B22-559722

**KIM LIGHTING®**

**UR20**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 20" size in post top, pole and wall mount
- High performance optics up to 17,000 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



**CONTROL TECHNOLOGY**



**SPECIFICATIONS**

**CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module.
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**ELECTRICAL**

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

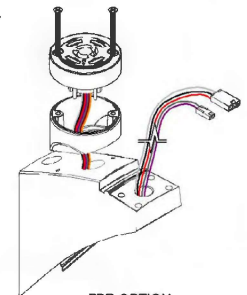
**CONTROLS**

**7PR**

- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7PR OPTION (Specifications continued on page 3)

KEY DATA	
Lumen Range	2888 - 17080
Wattage Range	25 - 150
Efficacy Range (LPW)	100 -136
Reported Life (Hours)	L70/>60,000
Weight	32 lbs - 14.5 Kg
EPA	0.372

<sup>1</sup> Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

PHOTOMETRIC BROCHURE DELIVERED DIMENSIONS DIMENSIONAL DRAWINGS



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB2**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**ORDERING GUIDE**

Example: UR20-24L-25-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG #

**HOUSING**

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
<b>UR20</b> <b>Ouro</b>	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>11</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
	24L-25 3,000 lm	27K8 2700K, 80 CRI	FR Type I/Front Row		347 347V
	24L-65 7,000 lm	3K7 3000K, 70 CRI	2 Type II	L <sup>1</sup> Optic rotation left	480 480V
	56L-75 10,000 lm	3K8 3000K, 80 CRI	3 Type III	R <sup>1</sup> Optic rotation right	DALI 120-277V
	56L-110 15,000 lm	3K8 3000K, 80 CRI	4 Type IV		'Consult factory
	56L-140 17,000 lm	35K8 3500K, 80 CRI	4W Type IV Wide		
	<b>HDL - High Diffusion Lens</b>	3K9 3000K, 90 CRI	5QM Type V Square Medium		
	28L-30 3,000 lm	4K7 4000K, 70 CRI	5QN Type V Square Narrow		
	28L-70 7,000 lm	4K8 4000K, 80 CRI	5R Type V Rectangular		
	68L-80 9,000 lm	5K7 5000K, 70 CRI	5W Type V Wide (Round)		
	68L-115 13,000 lm	Consult factory for other CCTs and CRIs	<b>HDL - High Diffusion Lens</b>		
	68L-150 15,000 lm		3 Type III/Asymmetric		
			5W Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
ASQ Arm Square pole	BLS Black Gloss Smooth	7PR-TL 7 pin PCR with twist lock photocontrol	BC <sup>6</sup> Back-light Control	SW7PR <sup>2,3</sup> SiteSync™ with 7 pin PCR
A34 Arm mt 3.3-4.2" OD pole	BLT Black Matte Textured	7PR-SC 7 pin PCR with shunting cap	SF Single Fuse	SWUSB SiteSync™ Software on USB
A46 Arm mt 4.5-6.0" OD pole	DBS Dark Bronze Gloss Smooth	7PR 7 pin PCR, wireless control enabled	DF Double Fuse	SWTAB <sup>10</sup> SiteSync™ Windows® Tablet
MAF Horizontal Slip Fitter 2 3/8" OD arm	DBT Dark Bronze Matte Textured	AD-01 <sup>2</sup> AstroDIM: 50% output at midnight	TB Terminal Block	SWBRG SiteSync™ Wireless Bridge Node
SVSF Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	GTT Graphite Matte Textured	AD-02 <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	CLR <sup>5,6,13</sup> Clear Lens	WIR-RME-L w/ISCAPE™ External Fixture Module
VSF Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	LGS Light Grey Gloss Smooth	AD-03 <sup>2</sup> AstroDIM: 50% output 10PM	TPL Tamper proof latch	SCH-R Occ. Sensor for Round Pole (up to 30' MH)
WB Wall Bracket	LGT Light Grey Matte Textured	AD-04 <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	CP <sup>12</sup> Clear Polycarbonate Lens	SCH-S Occ. Sensor for Square Pole (up to 30' MH)
	PSS Platinum Silver Gloss Smooth	NXWE NX Wireless Enabled		NXOFM-1R1D-UNV NX 7-pin Module
	VGT Verde Green Matte Textured	SWP <sup>2,3,4</sup> SiteSync™ Pre commission		
	WHS White Gloss Smooth	SWPM-40F <sup>2,3,4,5</sup> SiteSync™ with Sensor 9' to 40' MH		
	WHT White Matte Textured	WSP-40F-1 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>Color Option</b>	WSP-40F-2 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	CC <sup>7</sup> Custom Color	WSP-40F-3 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		NXSPW14F <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		NXSPW30F <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		NXSP14F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		NXSP30F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node  
 4 Not available with 347V and 480V.  
 5 24L and 56L only  
 6 Not available with HDL option  
 7 Consult factory for custom color, marine and corrosive finish options.

8 Turtle Friendly.  
 9 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 24L-65 and the 56L-140 configuration of the LED Engine  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details



**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-  
C07-270-20

**Notes:****Type:****AB2**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

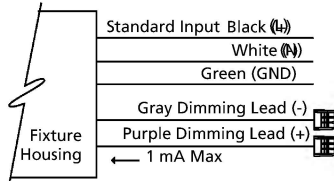
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)****DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS  
WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-R**

Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

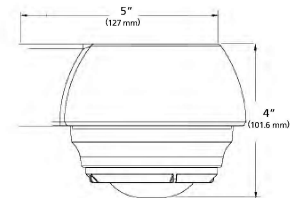
**SCH-S**

Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277/BL<sup>3</sup>

**ASTRODIM**

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

**Notes:****Type:****AB2**

B22-559722

**KIM LIGHTING****UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****MOUNTING**

- High temperature fuse holders factory installed inside the fixture housing.
- Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

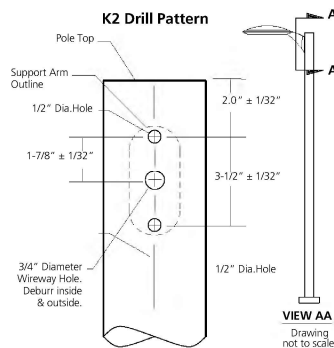
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 5
- IEC 66262 Mechanical Impact Code IK08, IK10
- IDA approved, 3000K and warmer CCTs only.
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**\*PRECOMMISSIONED SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7R/FT/NU3/12L-020-3K7/42A/BLS/SWP/UNV/LR



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB2**

B22-559722

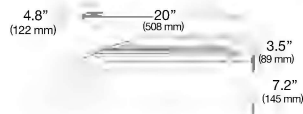
**KIM LIGHTING**

**UR20**

ARCHITECTURAL AREA/SITE

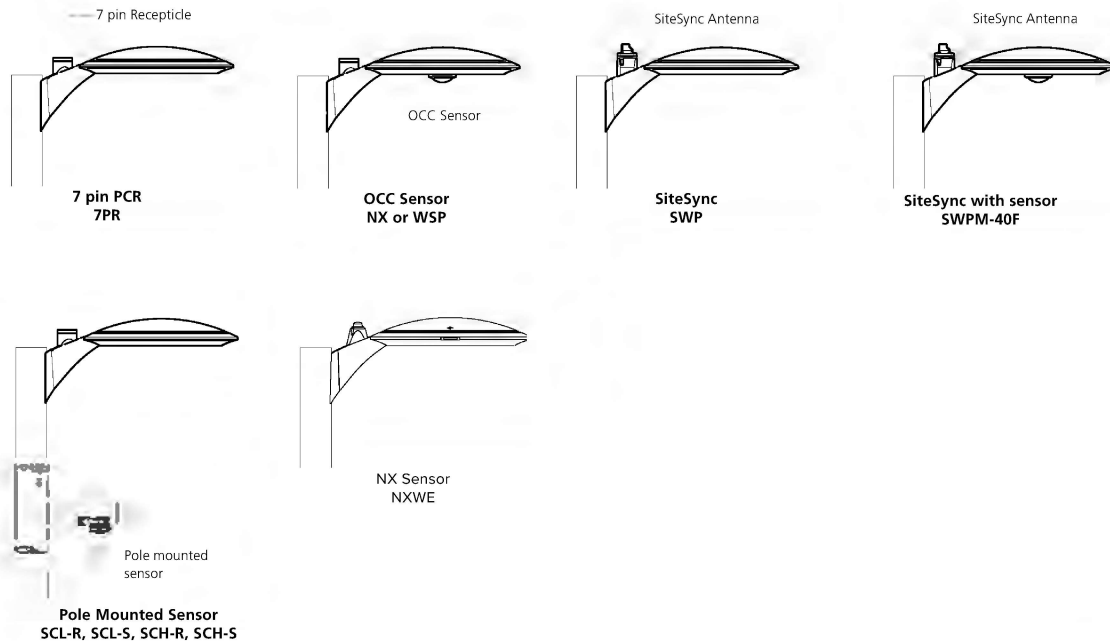
DATE: LOCATION:  
 TYPE: PROJECT:  
 CATALOG #:

**DIMENSIONS**



Weight: 32 lbs EPA: 372

**SENSOR PLACEMENT**



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications



**Job Name:**  
 West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

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UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB2**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

**DELIVERED LUMENS (CONTINUED)**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	
							B	U	G			B	U	G			B	U	G		
56L	17,000	750mA	140	No lens	FR	17031	2	0	2	124	18123	2	0	2	132	17999	2	0	2	131	
					FR-BC	10701	0	0	1	78	11387	0	0	1	83	11309	0	0	1	82	
					2	15740	2	0	2	114	16748	2	0	2	122	16634	2	0	2	121	
					2-BC	9239	1	0	2	67	9831	1	0	2	71	9764	1	0	2	71	
					3	15635	2	0	3	113	16637	2	0	3	121	16523	2	0	3	120	
					3-BC	9348	1	0	2	67	9947	1	0	2	71	9879	1	0	2	71	
					4	15715	1	0	3	114	16722	1	0	3	121	16608	1	0	3	121	
					4-BC	11644	1	0	3	85	12391	1	0	3	90	12306	1	0	3	89	
					4W	16006	2	0	4	116	17032	2	0	4	124	16915	2	0	4	123	
					4W-BC	10052	1	0	2	73	10696	1	0	3	78	10623	1	0	3	77	
					5QM	16309	4	0	2	118	17354	4	0	2	126	17235	4	0	2	125	
					5QN	16936	4	0	1	123	18022	4	0	1	131	17898	4	0	1	130	
					5R	16164	4	0	4	117	17200	4	0	4	125	17082	4	0	4	124	
					5W	15989	4	0	2	116	17013	4	0	2	123	16897	4	0	2	123	
					clear lens	FR	16162	1	0	2	116	17198	2	0	2	124	17080	2	0	2	123
						FR-BC	10155	0	0	1	73	10659	0	0	1	77	10732	0	0	1	77
						2	14936	2	0	2	108	15894	2	0	2	115	15785	2	0	2	114
						2-BC	8768	1	0	2	63	9330	1	0	2	67	9266	1	0	2	67
3	14837	2	0	3		107	15788	2	0	3	114	15680	2	0	3	113					
3-BC	8683	1	0	2		62	9239	1	0	2	66	9176	1	0	2	66					
4	14913	1	0	3		107	15869	1	0	3	114	15760	1	0	3	114					
4-BC	11050	1	0	3		80	11758	1	0	3	85	11678	1	0	3	84					
4W	15189	2	0	4		109	16163	2	0	4	116	16052	2	0	4	116					
4W-BC	9539	0	0	2		69	10150	1	0	2	73	10081	1	0	2	73					
5QM	15476	4	0	2		112	16468	4	0	2	119	16355	4	0	2	118					
5QN	16072	4	0	1		116	17102	4	0	1	123	16985	4	0	1	122					
5R	15339	4	0	4	111	16323	4	0	4	118	16211	4	0	4	117						
5W	15173	4	0	2	109	16145	4	0	2	116	16035	4	0	2	116						
68L		625mA	150	HDL lens	3	14192	3	0	3	96	14999	3	0	3	101	14896	3	0	3	101	
					5W	14514	3	0	2	98	15338	3	0	2	104	15233	3	0	2	103	

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages





**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

**Notes:****Type:****AB2**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

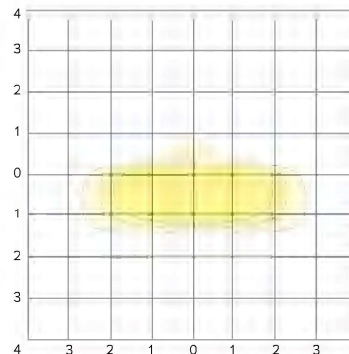
UR20-56L-140-4K7-FR

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>18123</b>
Watts	<b>140</b>
Efficacy	<b>129.5</b>
IES Type	<b>II</b>
BUG Rating	<b>B2-U0-G2</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	16164	89.2%
Downward House Side	1959	10.8%
Downward Total	18123	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18123	100%

**ISOFOOT CANDLE PLOT**

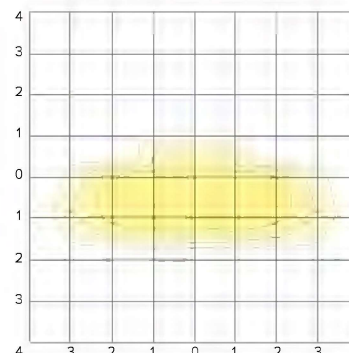
UR20-56L-140-4K7-2

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16748</b>
Watts	<b>140</b>
Efficacy	<b>119.6</b>
IES Type	<b>II</b>
BUG Rating	<b>B2-U0-G2</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	13888	82.9%
Downward House Side	2860	17.1%
Downward Total	16748	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16748	100%

**ISOFOOT CANDLE PLOT**

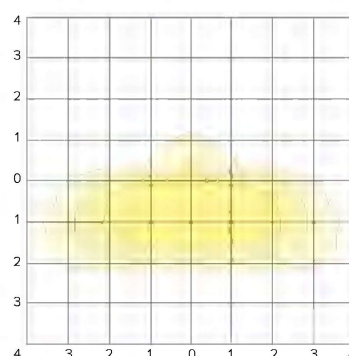
UR20-56L-140-4K7-3

**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>16637</b>
Watts	<b>140</b>
Efficacy	<b>118.8</b>
IES Type	<b>III</b>
BUG Rating	<b>B2-U0-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14461	86.9%
Downward House Side	2176	13.1%
Downward Total	16637	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16637	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
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RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

Notes:

**Type:****AB2**

B22-559722

**KIMLIGHTING****UR20**

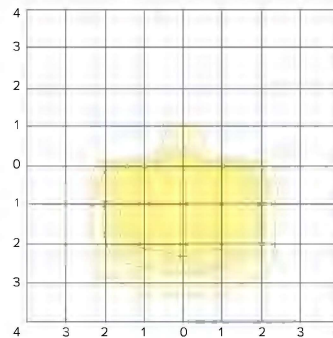
ARCHITECTURAL AREA/SITE

**PHOTOMETRY****UR20-56L-140-4K7-4****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16722
Watts	140
Efficacy	119.4
IES Type	IV
BUG Rating	B1-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

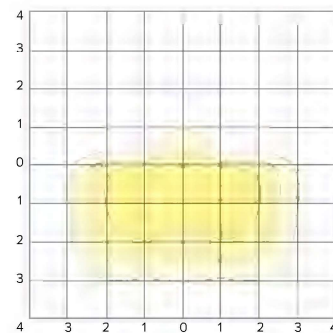
Zone	Lumens	% Luminaire
Downward Street Side	15112	90.4%
Downward House Side	1610	9.6%
Downward Total	16722	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16722	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-4W****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17033
Watts	138
Efficacy	123.4
IES Type	IV
BUG Rating	B2-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

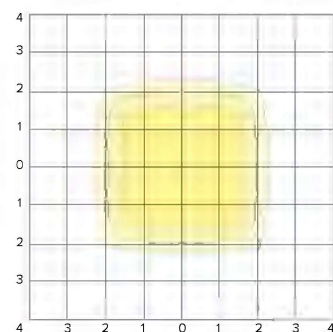
Zone	Lumens	% Luminaire
Downward Street Side	15040	88.3%
Downward House Side	1993	11.7%
Downward Total	17033	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17033	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-5QM****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17354
Watts	140
Efficacy	124.0
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8677	50.0%
Downward House Side	8677	50.0%
Downward Total	17354	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17354	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

**Notes:****Type:****AB2**

B22-559722

**KIMLIGHTING****UR20**

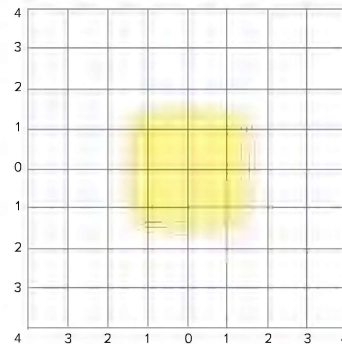
ARCHITECTURAL AREA/SITE

**PHOTOMETRY****UR20-56L-140-4K7-5QN****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	18023
Watts	140
Efficacy	128.7
IES Type	VS
BUG Rating	B4-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

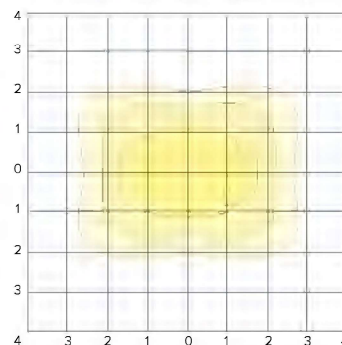
Zone	Lumens	% Luminaire
Downward Street Side	9012	50.0%
Downward House Side	9012	50.0%
Downward Total	18023	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18023	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-5R****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17201
Watts	140
Efficacy	122.9
IES Type	III
BUG Rating	B4-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

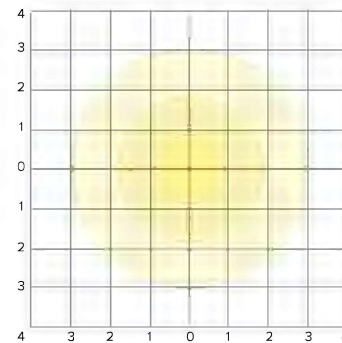
Zone	Lumens	% Luminaire
Downward Street Side	8601	50.0%
Downward House Side	8601	50.0%
Downward Total	17201	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17201	100%

**ISOFOOT CANDLE PLOT****UR20-56L-140-4K7-5W****LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17014
Watts	140
Efficacy	121.5
IES Type	III
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8507	50.0%
Downward House Side	8507	50.0%
Downward Total	17014	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17014	100%

**ISOFOOT CANDLE PLOT**

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB2**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

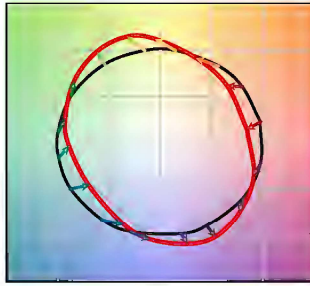
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

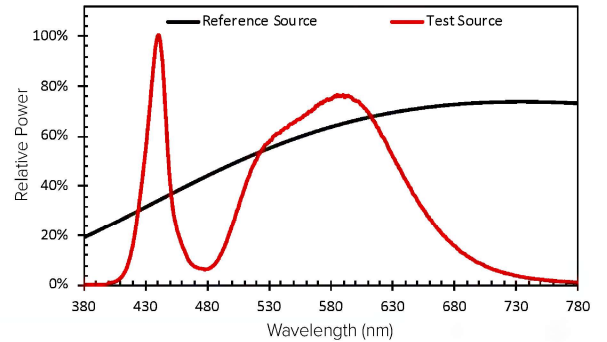


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>t</sub>	68
R <sub>s</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming		Absolute voltage range on 0-10V (+)	
					Source current out of 0-10V		Absolute voltage range on 0-10V (+)										
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
298mA	24	25	120-480	50/60	0.21	0.12	0.10	0.09	0.07	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
298mA	28	30			0.25	0.14	0.13	0.11	0.09	0.06							
800mA	24	65			0.54	0.31	0.27	0.23	0.19	0.14							
700mA	28	70			0.58	0.34	0.29	0.25	0.20	0.15							
420mA	56	75			0.63	0.36	0.31	0.27	0.22	0.16							
350mA	68	80			0.67	0.38	0.33	0.29	0.23	0.17							
600mA	56	110			0.92	0.53	0.46	0.40	0.32	0.23							
500mA	68	115			0.96	0.55	0.48	0.42	0.33	0.24							
850mA	56	140			1.17	0.67	0.58	0.51	0.40	0.29							
675mA	68	150			1.25	0.72	0.63	0.54	0.43	0.31							

**TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)**

Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

**CRI Lumen Multiplier**

CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

Submitted by Lighting Systems



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

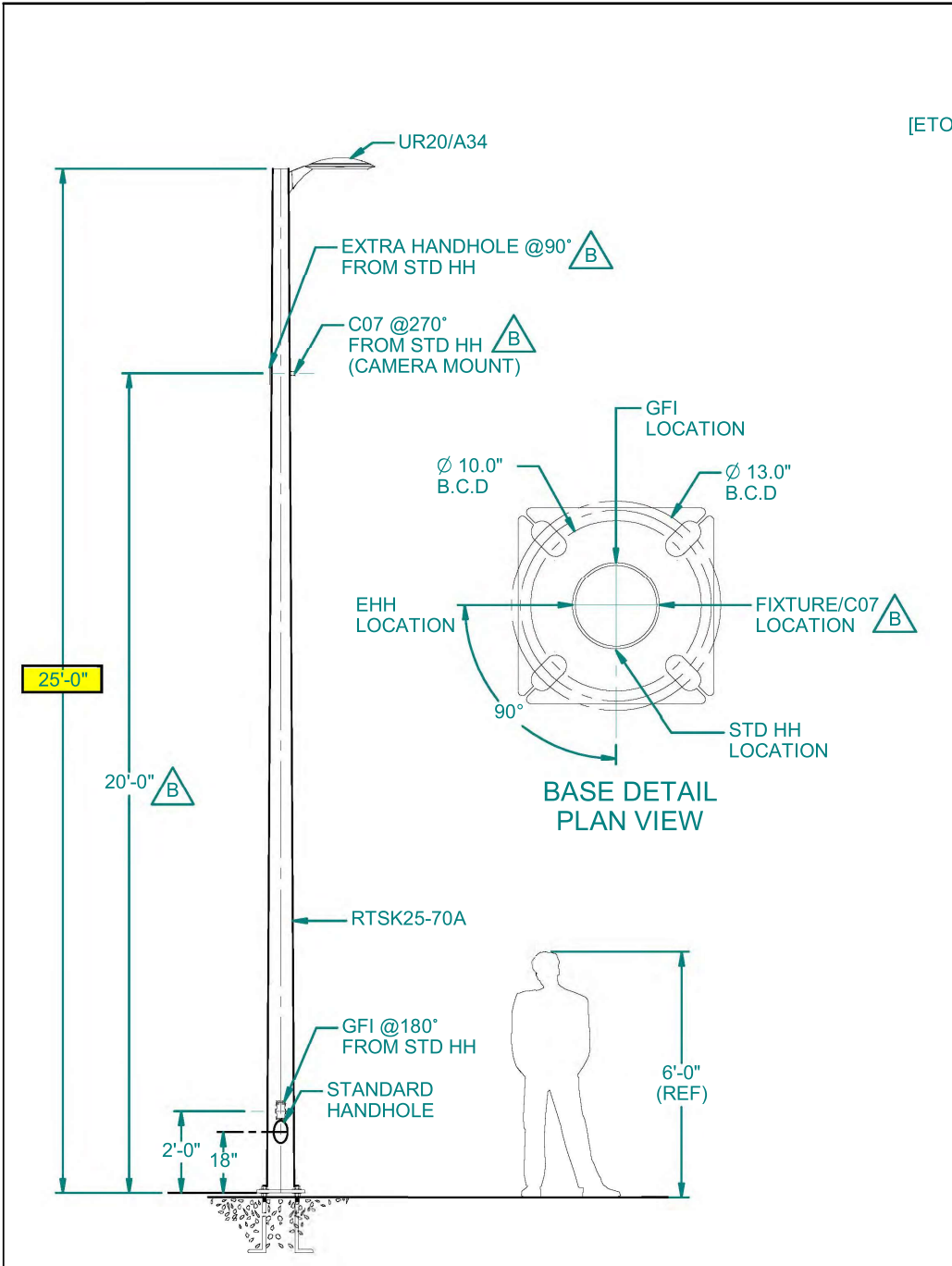
UR20-56L-140-3K7-3-UNV-A34-DBS-BC / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB2**

B22-559722



TYPE	AB1P/AB2P/AB3P
CATALOG NUMBER	UR20/A34 (SINGLE)
[ETO]	RTSK25-70A-1-K2-BLS-MOD GF1180-02-EHH90-20 -C07-270-20 <span style="border: 1px solid black; padding: 2px;">B</span>
<b>FINISH: POLYESTER POWDER COAT</b>	
KIM COLOR:	BLS
TO MATCH:	
	PROVIDE A SAMPLE COLOR CHIP
LIGHT ENGINE	SPECIFY
DRIVE CURRENT or WATTAGE	SPECIFY
VOLTAGE	SPECIFY
REFER TO SPECIFICATION SHEET FOR ADDITIONAL ELECTRICAL CHARACTERISTICS AND PHOTOMETRIC DATA	
<b>ANCHOR BOLTS</b>	
QTY	4
SIZE	1" x 36" x 4"
BOLT CIRCLE	10" - 13"
PROJECTION	4.25"
LEVELING NUTS AND WASHERS MUST BE INSTALLED UNDER ALL BASES	
ONE APPROVED DRAWING MUST BE RETURNED TO KIM BEFORE THIS PRODUCT CAN BE FABRICATED	
WARNING: THIS FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH LOCAL CODES OR THE NATIONAL ELECTRICAL CODE. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY.	
* KIM LIGHTING ASSUMES NO RESPONSIBILITY OF HARM CAUSED BY FAILURES DUE TO IMPROPER SITE ANALYSIS OR USAGE OF PRODUCTS OTHER THAN THEIR INTENDED PURPOSE AS SHOWN IN THIS DOCUMENT.	

SOLD TO:

PO#

JOB NAME:

**WEST COUNTY TRANSPORTATION 367 WEST ROBLES**



**Hubbell Lighting, Inc.**

CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

X \_\_\_\_\_



**KIM LIGHTING**

17760 Rowland St.  
 City of Industry, CA 91748  
 (626)968-5666

KIM Lighting Reserves The Right To Change Manufacturing Processes Without Notice.

**22K-0051**

DATE	DRWN
04/04/2022	PK
DATE	APPRVD
04/04/2022	AUG
DATE	REV.
06/01/2022	B

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:****Type:****AB3**

B22-559722

**KIM LIGHTING®****UR20**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 20" size in post top, pole and wall mount
- High performance optics up to 17,000 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



3000K and warmer CCTs only

See Certification Specifications

**CONTROL TECHNOLOGY****SPECIFICATIONS****CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module.
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

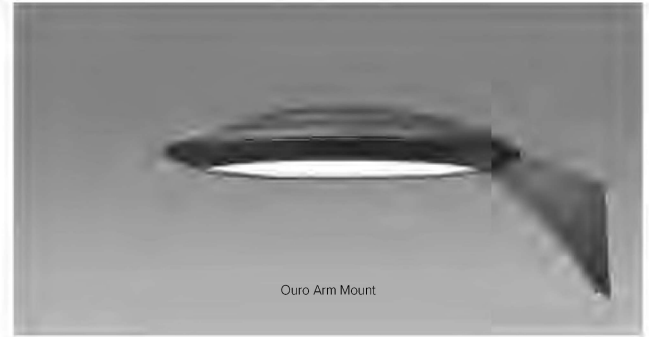
- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

<sup>1</sup> Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

DATE: LOCATION:  
 TYPE: PROJECT:  
 CATALOG #:

**Ouro™**

Ouro Arm Mount

**RELATED PRODUCTS**

[Ouro Small Post Top](#)

[Ouro Large Post Top](#)

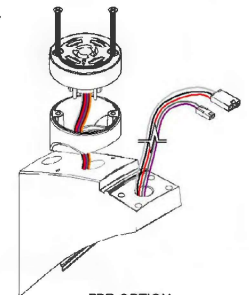
[Ouro Large Arm Mount](#)

**CONTROLS****7PR**

- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



(Specifications continued on page 3)

KEY DATA	
Lumen Range	2888 - 17080
Wattage Range	25 - 150
Efficacy Range (LPW)	100 -136
Reported Life (Hours)	L70/>60,000
Weight	32 lbs - 14.5 Kg
EPA	0.372



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB3**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

**ORDERING GUIDE**

Example: UR20-24L-25-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG #

**HOUSING**

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
<b>UR20</b> <b>Ouro</b>	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>11</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
	24L-25 3,000 lm	27K8 2700K, 80 CRI	FR Type I/Front Row		347 347V
	24L-65 7,000 lm	3K7 3000K, 70 CRI	2 Type II	L <sup>1</sup> Optic rotation left	480 480V
	56L-75 10,000 lm	3K8 3000K, 80 CRI	3 Type III	R <sup>1</sup> Optic rotation right	DALI 120-277V
	56L-110 15,000 lm	3K8 3000K, 80 CRI	4 Type IV		'Consult factory
	56L-140 17,000 lm	35K8 3500K, 80 CRI	4W Type IV Wide		
	<b>HDL - High Diffusion Lens</b>	3K9 3000K, 90 CRI	5QM Type V Square Medium		
	28L-30 3,000 lm	4K7 4000K, 70 CRI	5QN Type V Square Narrow		
	28L-70 7,000 lm	4K8 4000K, 80 CRI	5R Type V Rectangular		
	68L-80 9,000 lm	5K7 5000K, 70 CRI	5W Type V Wide (Round)		
	68L-115 13,000 lm	Consult factory for other CCTs and CRIs	<b>HDL - High Diffusion Lens</b>		
	68L-150 15,000 lm		3 Type III/Asymmetric		
			5W Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
ASQ Arm Square pole	BLS Black Gloss Smooth	7PR-TL 7 pin PCR with twist lock photocontrol	BC <sup>6</sup> Back-light Control	SW7PR <sup>2,3</sup> SiteSync™ with 7 pin PCR
<b>A34</b> Arm mt 3.3-4.2" OD pole	RIT Black Matte Textured	7PR-SC 7 pin PCR with shunting cap	SF Single Fuse	SWUSB SiteSync™ Software on USB
A46 Arm mt 4.5-6.0" OD pole	DBS Dark Bronze Gloss Smooth	7PR 7 pin PCR, wireless control enabled	DF Double Fuse	SWTAB <sup>10</sup> SiteSync™ Windows® Tablet
MAF Horizontal Slip Fitter 2 3/8" OD arm	DBT Dark Bronze Matte Textured	AD-01 <sup>2</sup> AstroDIM: 50% output at midnight	TB Terminal Block	SWBRG SiteSync™ Wireless Bridge Node
SVSF Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	GTT Graphite Matte Textured	AD-02 <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	CLR <sup>5,6,13</sup> Clear Lens	WIR-RME-L w/ISCAPE™ External Fixture Module
VSF Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	LGS Light Grey Gloss Smooth	AD-03 <sup>2</sup> AstroDIM: 50% output 10PM	TPL Tamper proof latch	SCH-R Occ. Sensor for Round Pole (up to 30' MH)
WB Wall Bracket	LGT Light Grey Matte Textured	AD-04 <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	CP <sup>12</sup> Clear Polycarbonate Lens	SCH-S Occ. Sensor for Square Pole (up to 30' MH)
	PSS Platinum Silver Gloss Smooth	NXWE NX Wireless Enabled		NXOFM-1R1D-UNV NX 7-pin Module
	VGT Verde Green Matte Textured	SWP <sup>2,3,4</sup> SiteSync™ Pre commission		
	WHS White Gloss Smooth	SWPM-40F <sup>2,3,4,5</sup> SiteSync™ with Sensor 9' to 40' MH		
	WHT White Matte Textured	WSP-40F-1 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>Color Option</b>	WSP-40F-2 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	CC <sup>7</sup> Custom Color	WSP-40F-3 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		NXSPW14F <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		NXSPW30F <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		NXSP14F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		NXSP30F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/siteSync](http://www.hubbellighting.com/siteSync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node  
 4 Not available with 347V and 480V.  
 5 24L and 56L only  
 6 Not available with HDL option  
 7 Consult factory for custom color, marine and corrosive finish options.

8 Turtle Friendly.  
 9 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 24L-65 and the 56L-140 configuration of the LED Engine  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details



**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-  
RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-  
C07-270-20

**Notes:****Type:****AB3**

B22-559722

**KIMLIGHTING****UR20**

ARCHITECTURAL AREA/SITE

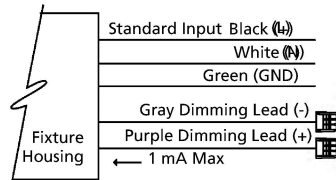
DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)****DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS  
WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-R**

Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

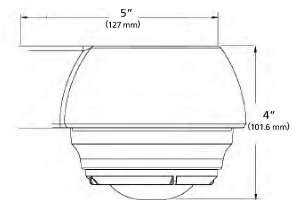
**SCH-S**

Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277/BL<sup>3</sup>

**ASTRODIM**

AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.



(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

**Notes:****Type:****AB3**

B22-559722

**KIM LIGHTING****UR20**

ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

**SPECIFICATIONS (CONTINUED)****MOUNTING**

- High temperature fuse holders factory installed inside the fixture housing.
- Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

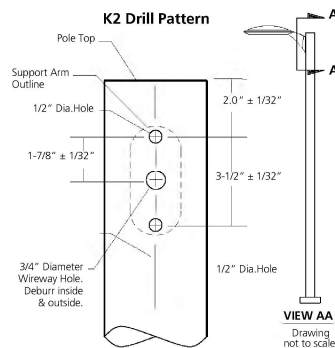
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 5
- IEC 66262 Mechanical Impact Code IK08, IK10
- IDA approved, 3000K and warmer CCTs only.
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**\*PRECOMMISSIONED SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7R/FT/NU3/12L-020-3K7/42A/BLS/SWP/UNV/LR



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB3**

B22-559722

**KIM LIGHTING**

**UR20**

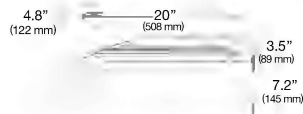
ARCHITECTURAL AREA/SITE

DATE: LOCATION:

TYPE: PROJECT:

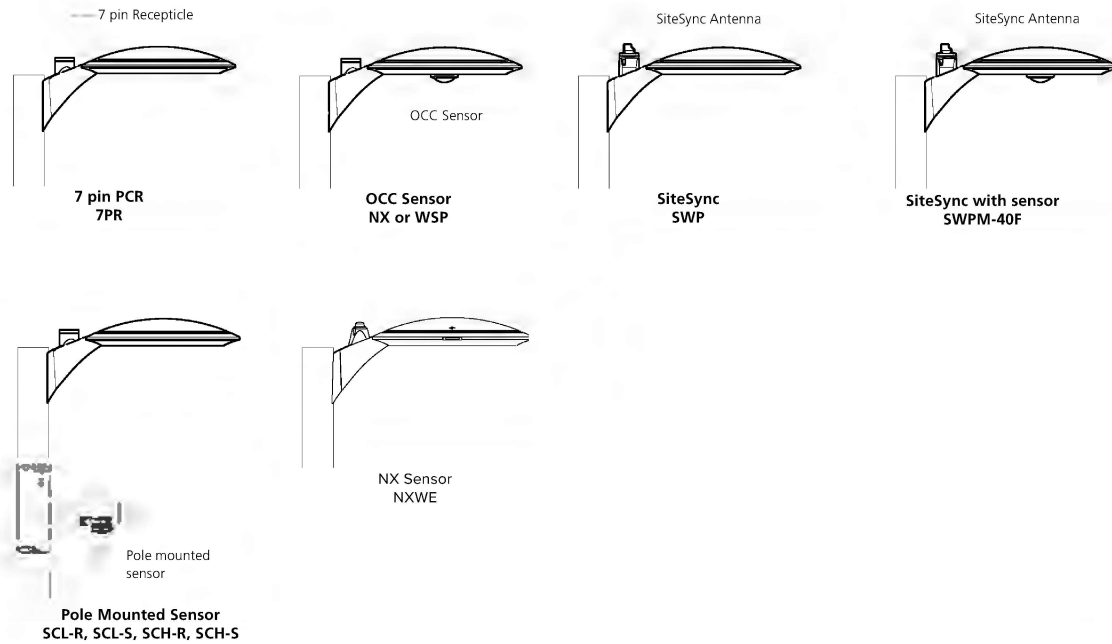
CATALOG #:

**DIMENSIONS**



Weight: 32 lbs EPA: 372

**SENSOR PLACEMENT**



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB3**

B22-559722

**KIM LIGHTING**

**UR20**

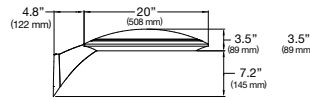
ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

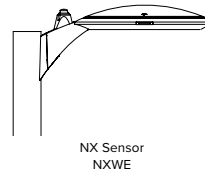
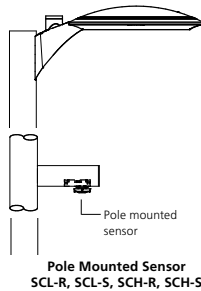
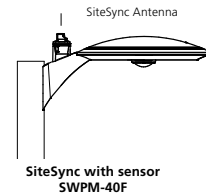
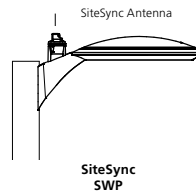
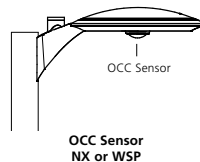
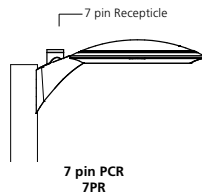
CATALOG #: \_\_\_\_\_

**DIMENSIONS**



Weight: 32 lbs EPA: .372

**SENSOR PLACEMENT**



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

[\(Specifications continued on page 4\)](#)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB3**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**DELIVERED LUMENS (CONTINUED)**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI											
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w					
							B	U	G			B	U	G			B	U	G						
56L	17,000	750mA	140	No lens	FR	17031	2	0	2	124	18123	2	0	2	132	17999	2	0	2	131					
					FR-BC	10701	0	0	1	78	11387	0	0	1	83	11309	0	0	1	82					
					2	15740	2	0	2	114	16748	2	0	2	122	16634	2	0	2	121					
					2-BC	9239	1	0	2	67	9831	1	0	2	71	9764	1	0	2	71					
					3	15635	2	0	3	113	16637	2	0	3	121	16523	2	0	3	120					
					3-BC	9348	1	0	2	67	9947	1	0	2	71	9879	1	0	2	71					
					4	15715	1	0	3	114	16722	1	0	3	121	16608	1	0	3	121					
					4-BC	11644	1	0	3	85	12391	1	0	3	90	12306	1	0	3	89					
					4W	16006	2	0	4	116	17032	2	0	4	124	16915	2	0	4	123					
					4W-BC	10052	1	0	2	73	10696	1	0	3	78	10623	1	0	3	77					
					5QM	16309	4	0	2	118	17354	4	0	2	126	17235	4	0	2	125					
					5QN	16936	4	0	1	123	18022	4	0	1	131	17898	4	0	1	130					
					5R	16164	4	0	4	117	17200	4	0	4	125	17082	4	0	4	124					
					5W	15989	4	0	2	116	17013	4	0	2	123	16897	4	0	2	123					
					68L	17,000	625mA	150	HDL lens	FR	16162	1	0	2	116	17198	2	0	2	124	17080	2	0	2	123
										FR-BC	10155	0	0	1	73	10659	0	0	1	77	10732	0	0	1	77
										2	14936	2	0	2	108	15894	2	0	2	115	15785	2	0	2	114
										2-BC	8768	1	0	2	63	9330	1	0	2	67	9266	1	0	2	67
										3	14837	2	0	3	107	15788	2	0	3	114	15680	2	0	3	113
										3-BC	8683	1	0	2	62	9239	1	0	2	66	9176	1	0	2	66
4	14913	1	0	3						107	15869	1	0	3	114	15760	1	0	3	114					
4-BC	11050	1	0	3						80	11758	1	0	3	85	11678	1	0	3	84					
4W	15189	2	0	4						109	16163	2	0	4	116	16052	2	0	4	116					
4W-BC	9539	0	0	2						69	10150	1	0	2	73	10081	1	0	2	73					
5QM	15476	4	0	2						112	16468	4	0	2	119	16355	4	0	2	118					
5QN	16072	4	0	1						116	17102	4	0	1	123	16985	4	0	1	122					
5R	15339	4	0	4	111	16323	4	0	4	118	16211	4	0	4	117										
5W	15173	4	0	2	109	16145	4	0	2	116	16035	4	0	2	116										
68L	17,000	625mA	150	HDL lens	3	14192	3	0	3	96	14999	3	0	3	101	14896	3	0	3	101					
					5W	14514	3	0	2	98	15338	3	0	2	104	15233	3	0	2	103					

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB3**

B22-559722

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**UR20**

ARCHITECTURAL AREA/SITE

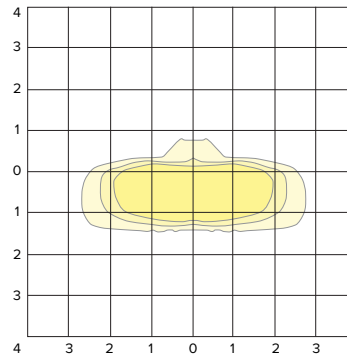
**PHOTOMETRY**

**UR20-56L-140-4K7-FR**

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	18123
Watts	140
Efficacy	129.5
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

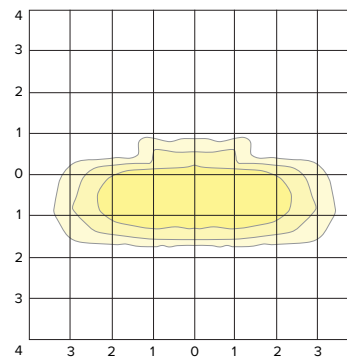
Zone	Lumens	% Luminaire
Downward Street Side	16164	89.2%
Downward House Side	1959	10.8%
Downward Total	18123	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18123	100%

**UR20-56L-140-4K7-2**

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16748
Watts	140
Efficacy	119.6
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

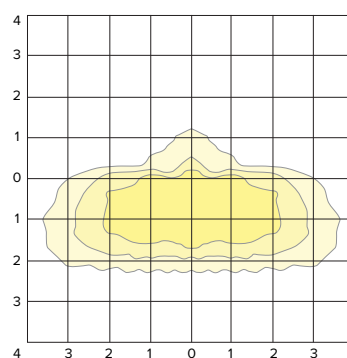
Zone	Lumens	% Luminaire
Downward Street Side	13888	82.9%
Downward House Side	2860	17.1%
Downward Total	16748	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16748	100%

**UR20-56L-140-4K7-3**

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16637
Watts	140
Efficacy	118.8
IES Type	III
BUG Rating	B2-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14461	86.9%
Downward House Side	2176	13.1%
Downward Total	16637	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16637	100%

(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB3**

B22-559722

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

**UR20**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

**UR20-56L-140-4K7-4**

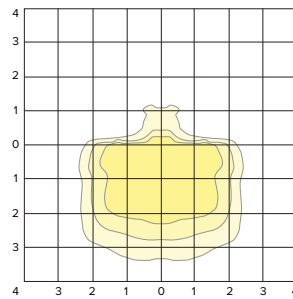
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16722
Watts	140
Efficacy	119.4
IES Type	IV
BUG Rating	B1-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	15112	90.4%
Downward House Side	1610	9.6%
Downward Total	16722	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16722	100%

**ISOFOOT CANDLE PLOT**



**UR20-56L-140-4K7-4W**

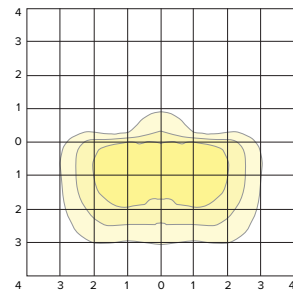
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17033
Watts	138
Efficacy	123.4
IES Type	IV
BUG Rating	B2-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	15040	88.3%
Downward House Side	1993	11.7%
Downward Total	17033	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17033	100%

**ISOFOOT CANDLE PLOT**



**UR20-56L-140-4K7-5QM**

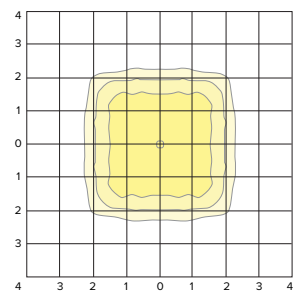
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17354
Watts	140
Efficacy	124.0
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8677	50.0%
Downward House Side	8677	50.0%
Downward Total	17354	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17354	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

**Notes:**

**Type:**

**AB3**

B22-559722

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**UR20**

ARCHITECTURAL AREA/SITE

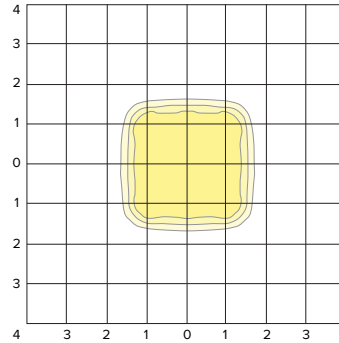
**PHOTOMETRY**

UR20-56L-140-4K7-5QN

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	18023
Watts	140
Efficacy	128.7
IES Type	VS
BUG Rating	B4-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

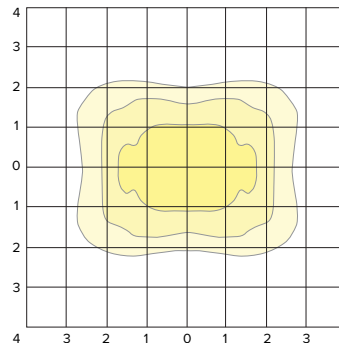
Zone	Lumens	% Luminaire
Downward Street Side	9012	50.0%
Downward House Side	9012	50.0%
Downward Total	18023	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18023	100%

UR20-56L-140-4K7-5R

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17201
Watts	140
Efficacy	122.9
IES Type	III
BUG Rating	B4-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

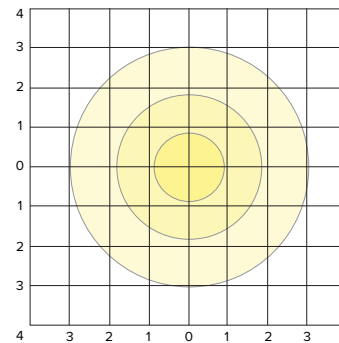
Zone	Lumens	% Luminaire
Downward Street Side	8601	50.0%
Downward House Side	8601	50.0%
Downward Total	17201	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17201	100%

UR20-56L-140-4K7-5W

**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17014
Watts	140
Efficacy	121.5
IES Type	III
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ISOFOOT CANDLE PLOT**



**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8507	50.0%
Downward House Side	8507	50.0%
Downward Total	17014	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17014	100%

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20

Notes:

**Type:**

**AB3**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

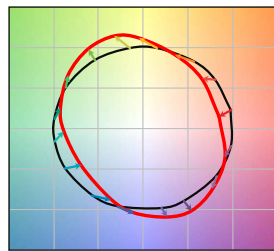
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TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

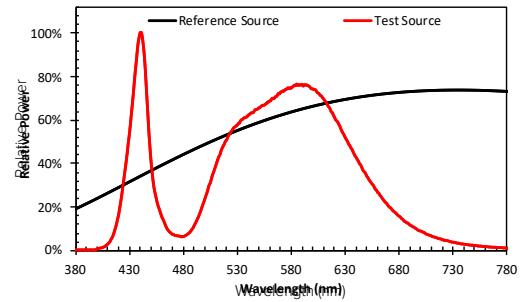


Reference Illuminant — Test Source  
 Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>r</sub>	68
R <sub>a</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
					0.21	0.12	0.10	0.09	0.07	0.05							
298mA	24	25	120-480	50/60	0.21	0.12	0.10	0.09	0.07	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
298mA	28	30			0.25	0.14	0.13	0.11	0.09	0.06							
800mA	24	65			0.54	0.31	0.27	0.23	0.19	0.14							
700mA	28	70			0.58	0.34	0.29	0.25	0.20	0.15							
420mA	56	75			0.63	0.36	0.31	0.27	0.22	0.16							
350mA	68	80			0.67	0.38	0.33	0.29	0.23	0.17							
600mA	56	110			0.92	0.53	0.46	0.40	0.32	0.23							
500mA	68	115			0.96	0.55	0.48	0.42	0.33	0.24							
850mA	56	140			1.17	0.67	0.58	0.51	0.40	0.29							
675mA	68	150			1.25	0.72	0.63	0.54	0.43	0.31							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

CRI Lumen Multiplier				
CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

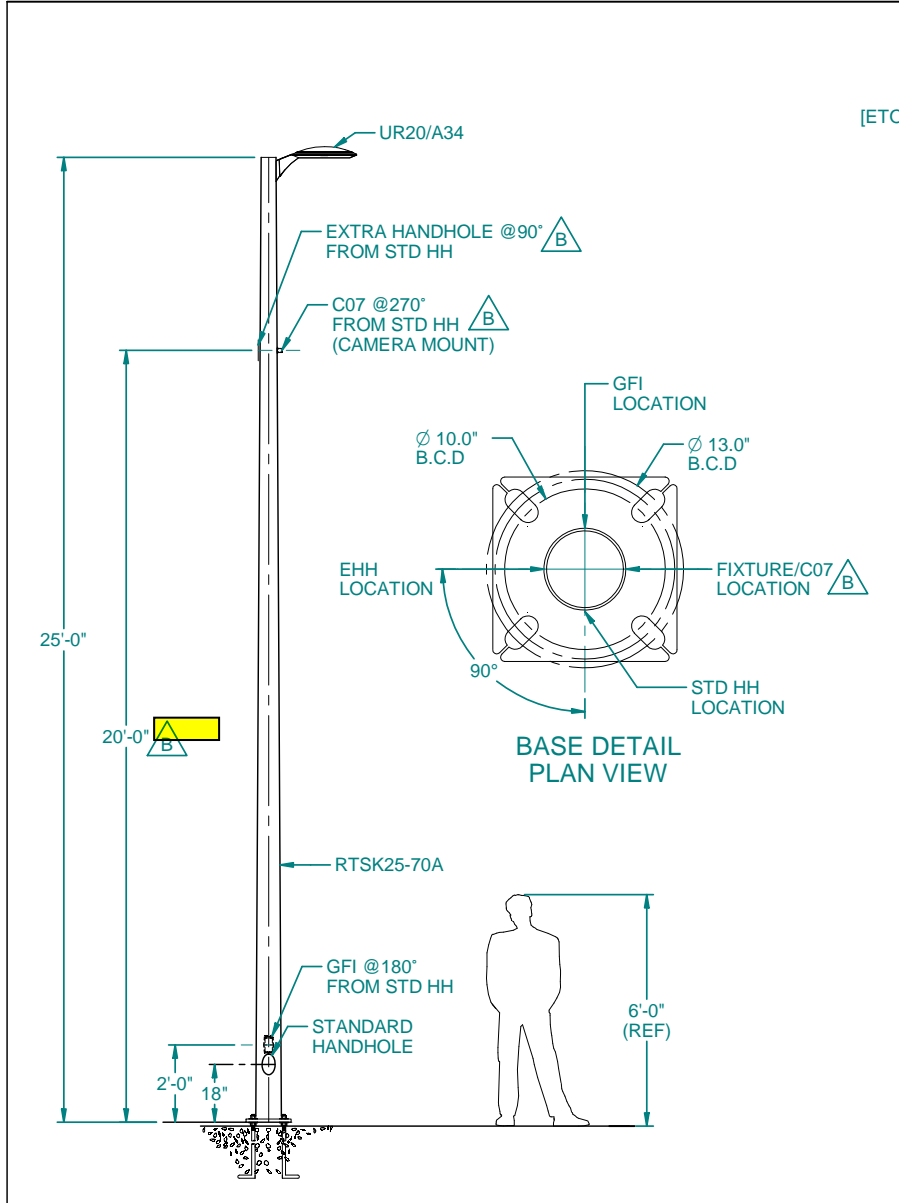
**Catalog Number:**

UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GF1180-02-EHH90-20-C07-270-20  
 Notes:

**Type:**

**AB3**

B22-559722



TYPE	AB1P/AB2P/AB3P
CATALOG NUMBER	UR20/A34 (SINGLE)
[ETO] RTSK25-70A-1-K2-BLS-MOD GF1180-02-EHH90-20-C07-270-20	
FINISH: POLYESTER POWDER COAT	
KIM COLOR:	BLS
TO MATCH:	
PROVIDE A SAMPLE COLOR CHIP	
LIGHT ENGINE	SPECIFY
DRIVE CURRENT or WATTAGE	SPECIFY
VOLTAGE	SPECIFY
REFER TO SPECIFICATION SHEET FOR ADDITIONAL ELECTRICAL CHARACTERISTICS AND PHOTOMETRIC DATA	
ANCHOR BOLTS	
QTY	4
SIZE	1" x 36" x 4"
BOLT CIRCLE	10" - 13"
PROJECTION	4.25"
LEVELING NUTS AND WASHERS MUST BE INSTALLED UNDER ALL BASES	
ONE APPROVED DRAWING MUST BE RETURNED TO KIM BEFORE THIS PRODUCT CAN BE FABRICATED	
WARNING: THIS FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH LOCAL CODES OR THE NATIONAL ELECTRICAL CODE. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY.	
* KIM LIGHTING ASSUMES NO RESPONSIBILITY OF HARM CAUSED BY FAILURES DUE TO IMPROPER SITE ANALYSIS OR USAGE OF PRODUCTS OTHER THAN THEIR INTENDED PURPOSE AS SHOWN IN THIS DOCUMENT.	

SOLD TO: \_\_\_\_\_ PO# \_\_\_\_\_ JOB NAME: **WEST COUNTY TRANSPORTATION 367 WEST ROBLES**

**Hubbell Lighting, Inc.**  
 CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES  
 X \_\_\_\_\_

17760 Rowland St.  
 City of Industry, CA 91748  
 (626)968-5666  
 KIM Lighting Reserves The Right To Change Manufacturing Processes Without Notice.

<b>22K-0051</b>	
DATE	DRWN
04/04/2022	PK
DATE	APPRVD
04/04/2022	AUG
DATE	REV.
06/01/2022	

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:****Type:****AC1**

B22-559722

**KIMLIGHTING®****UR28**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 28" size in post top, pole and wall mount
- High performance optics up to 35,000 delivered lumens
- Elegant form factor
- Diffusion lens for low glare comfort
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



3000K and warmer CCTs only

See Certification Specifications

**CONTROL TECHNOLOGY****SPECIFICATIONS****CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module..
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

<sup>1</sup>Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

**ELECTRICAL**

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

**CONTROLS****7PR**

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

**RELATED PRODUCTS**

[Ouro Small Post Top](#)

[Ouro Large Post Top](#)

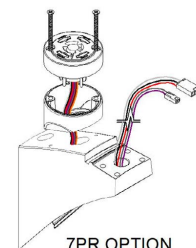
[Ouro Small Arm Mount](#)



Ouro Arm Mount

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7PR OPTION

(Specifications continued on page 3)

KEY DATA	
Lumen Range	19,112 - 36,598
Wattage Range	155 - 315
Efficacy Range (LPW)	105 -138
Reported Life (Hours)	L70/>60,000
Weight	50 lbs - 22.6 Kg
EPA	0.524



**Job Name:**

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 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17  
 Notes:

**Type:**

**AC1**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**ORDERING GUIDE**

Example: UR28-96L-155-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG #

**HOUSING**

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
UR28	Ouro				
	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>1</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
	<b>96L-155</b> 20,000 lm	<b>27K8</b> <sup>1</sup> 2700K, 80 CRI	<b>FR</b> Type I/Front Row	<b>L</b> <sup>1</sup> Optic rotation left	<b>347</b> 347V
	<b>96L-170</b> 22,500 lm	<b>3K7</b> 3000K, 70 CRI	<b>2</b> Type II	<b>R</b> <sup>1</sup> Optic rotation right	<b>480</b> 480V
	<b>96L-185</b> 24,000 lm	<b>3K8</b> 3000K, 80 CRI	<b>3</b> Type III		<b>DALI</b> 120-277V
	<b>96L-220</b> 27,000 lm	<b>3K9</b> 3000,90 CRI	<b>4</b> Type IV		<sup>1</sup> Consult factory
	<b>96L-255</b> 30,000 lm	<b>35K8</b> 3500K, 80 CRI	<b>4W</b> Type IV Wide		
	<b>96L-315</b> 35,000 lm	<b>4K7</b> 4000K, 70 CRI	<b>5QM</b> Type V Square Medium		
		<b>4K8</b> 4000K, 80 CRI	<b>5QN</b> Type V Square Narrow		
	<b>HDL - High Diffusion Lens</b>	Consult factory for other CCTs and CRIs	<b>5R</b> Type V Rectangular		
	<b>114L-160</b> 18,000 lm		<b>5W</b> Type V Wide (Round)		
	<b>114L-180</b> 20,000 lm		<b>3</b> Type III/Asymmetric		
	<b>114L-265</b> 25,000 lm		<b>5W</b> Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
<b>ASQ</b> Arm Square pole	<b>BLS</b> Black Gloss Smooth	<b>7PR-TL</b> 7 pin PCR with twist lock photocontrol	<b>BC</b> <sup>6</sup> Back-light Control	<b>SW7PR</b> <sup>2,3</sup> SiteSync™ with 7 pin PCR
<b>A34</b> Arm mt 3.3-4.2" OD pole	<b>BLT</b> Black Matte Textured	<b>7PR-SC</b> 7 pin PCR with shorting cap	<b>SF</b> Single Fuse	<b>SWUSB</b> SiteSync™ Software on USB
<b>A46</b> Arm mt 4.5-6.0" OD pole	<b>DBS</b> Dark Bronze Gloss Smooth	<b>7PR</b> 7 pin PCR, wireless control enabled	<b>DF</b> Double Fuse	<b>SWTAB</b> <sup>10</sup> SiteSync™ Windows™ Tablet
<b>MAF</b> Horizontal Slip Fitter 2.3/8" OD arm	<b>DBT</b> Dark Bronze Matte Textured	<b>AD-01</b> <sup>2</sup> AstroDIM: 50% output at midnight	<b>TB</b> Terminal Block	<b>SWBRG</b> SiteSync™ Wireless Bridge Node
<b>SVSF</b> Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	<b>GTT</b> Graphite Matte Textured	<b>AD-02</b> <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	<b>CLR</b> <sup>5,6,13</sup> Clear Lens	<b>SWRME-L</b> SiteSync™ External Fixture Module
<b>VSF</b> Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	<b>LGS</b> Light Grey Gloss Smooth	<b>AD-03</b> <sup>2</sup> AstroDIM: 50% output 10PM	<b>TPL</b> Tamper proof latch	<b>WIR-RME-L</b> wISCAPE™ External Fixture Module
<b>WB</b> Wall Bracket	<b>LGT</b> Light Grey Matte Textured	<b>AD-04</b> <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	<b>CP</b> <sup>12</sup> Clear Polycarbonate Lens	<b>SCH-R</b> Occ. Sensor for Round Pole (up to 30' MH)
	<b>PSS</b> Platinum Silver Gloss Smooth	<b>NXWE</b> NX Wireless Enabled		<b>SCH-S</b> Occ. Sensor for Square Pole (up to 30' MH)
	<b>VGT</b> Verde Green Matte Textured	<b>SWP</b> <sup>2,3,4</sup> SiteSync Pre commission		<b>NXOFM-1RID-UNV</b> NX 7-pin Module
	<b>WHS</b> White Gloss Smooth	<b>SWPM-40F</b> <sup>2,3,4,5</sup> SiteSync with Sensor 9' to 40' MH		
	<b>WHT</b> White Matte Textured	<b>WSP-40F-1</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>Color Option</b>	<b>WSP-40F-2</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	<b>CC</b> <sup>7</sup> Custom Color	<b>WSP-40F-3</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		<b>NXSPW14F</b> <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		<b>NXSPW30F</b> <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		<b>NXSP14F</b> <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		<b>NXSP30F</b> <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options.  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node.  
 4 Not available with 347V and 480V.  
 5 96L only.  
 6 Not available with HDL option.  
 7 Consult factory for custom color, marine and corrosive finish  
 8 options.  
 9 Turtle Friendly.  
 10 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 96L-255 and the 96L-315 configuration of the LED Engine  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

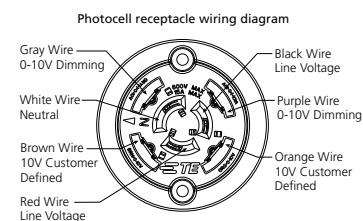
**Notes:****Type:****AC1**

B22-559722

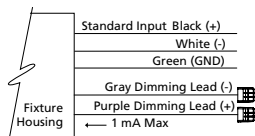
**KIM LIGHTING****UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)****DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS****WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

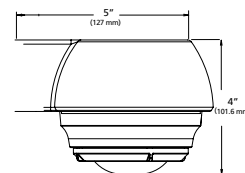
- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-R**

- Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-S**

- Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277/BL<sup>3</sup>

**ASTRODIM**

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.

(See specifications continued on page 4)

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**Notes:****Type:****AC1**

B22-559722

**KIM LIGHTING****UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**SPECIFICATIONS (CONTINUED)****MOUNTING**

High temperature fuse holders factory installed inside the fixture housing.

Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

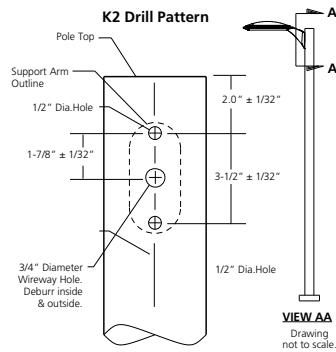
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- IDA approved, 3000K and warmer CCTs only.
- IEC 66262 Mechanical Impact Code IK08, IK10
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 6
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**\*PRECOMMISSIONED SITESYNC ORDERING INFORMATION.** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7R/FT/NU3/2L-020-3K7/42A/BLS/SWP/UNV/LR



(See specifications continued on page 4)

**Job Name:**

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**Notes:**

**Type:**

**AC1**

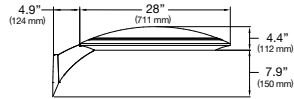
B22-559722

**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

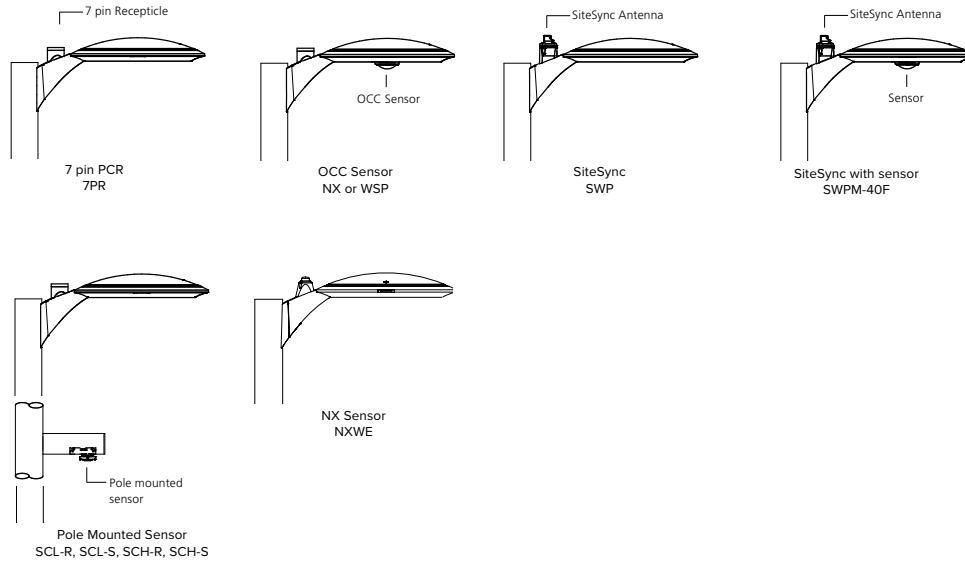
**DIMENSIONS**



Weight: 50 lbs EPA: .524

**SENSOR PLACEMENT**

5.4 inches (137 mm)



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

[\(Specifications continued on page 4\)](#)



**Job Name:**  
 West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
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 Notes:

**Type:**

**AC1**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**DELIVERED LUMENS**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI										
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w				
							B	U	G			B	U	G			B	U	G					
96L	20,000	500mA	155	No lens	FR	20197	2	0	2	130	20705	2	0	2	134	20942	2	0	2	138				
					FR-BC	13112	1	0	1	85	13442	1	0	1	87	13595	1	0	1	89				
					2	19112	2	0	3	123	19593	2	0	3	126	19817	2	0	3	130				
					2-BC	11385	1	0	2	73	11672	1	0	2	75	11805	1	0	2	76				
					3	19331	2	0	4	125	19817	2	0	4	128	20044	2	0	4	132				
					3-BC	11591	1	0	2	75	11882	1	0	2	77	12018	1	0	2	78				
					4	19130	1	0	4	123	19611	1	0	4	127	19835	1	0	4	130				
					4-BC	14322	1	0	3	92	14682	1	0	3	95	14850	1	0	3	97				
					4W	19637	2	0	4	127	20131	3	0	4	130	20361	3	0	4	134				
					4W-BC	12578	1	0	3	81	12894	1	0	3	83	13042	1	0	3	86				
					5QM	19910	4	0	2	128	20411	4	0	2	132	20644	4	0	2	136				
					5QN	19685	4	0	0	127	20181	4	0	0	130	20411	4	0	0	134				
					5R	19933	4	0	4	129	20435	4	0	4	132	20668	4	0	4	136				
					5W	20182	5	0	3	130	20689	5	0	3	133	20926	5	0	3	138				
					Clear lens	430mA	160	HDL lens	FR	19187	2	0	2	124	19670	2	0	2	127	19895	2	0	2	130
									FR-BC	12456	0	0	1	80	12769	0	0	1	82	12915	0	0	1	83
									2	18156	2	0	3	117	18613	2	0	3	120	18826	2	0	3	123
									2-BC	10816	1	0	2	70	11088	1	0	2	72	11215	1	0	2	72
									3	18364	2	0	3	118	18826	2	0	3	121	19041	2	0	3	124
									3-BC	10873	1	0	2	70	11147	1	0	2	72	11274	1	0	2	73
4	18173	1	0	4					117	18630	1	0	4	120	18843	1	0	4	123					
4-BC	13606	1	0	3					88	13948	1	0	2	90	14108	1	0	2	91					
4W	18655	2	0	4					120	19124	2	0	4	123	19342	2	0	4	126					
4W-BC	11949	1	0	3					77	12250	1	0	3	79	12390	1	0	3	80					
5QM	18914	4	0	2	122	19390	4	0	2	125	19612	4	0	2	128									
5QN	18701	4	0	0	121	19172	4	0	0	124	19391	4	0	0	127									
5R	18937	4	0	4	122	19413	4	0	4	125	19635	4	0	4	128									
5W	19173	5	0	3	124	19655	5	0	3	127	19880	5	0	3	130									
114L	430mA	160	HDL lens	3	17717	3	0	3	111	18162	3	0	3	114	18370	3	0	3	116					
				5W	18962	4	0	2	119	18345	4	0	2	115	18555	4	0	2	117					

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages

(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC1**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

**UR28-96L-315-4K7-FR**

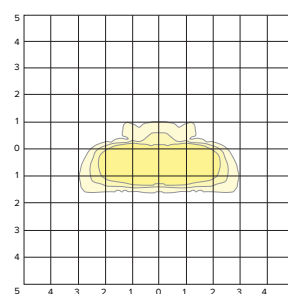
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	36184
Watts	315
Efficacy	114.9
IES Type	I
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	32749	90.5%
Downward House Side	3436	9.5%
Downward Total	36184	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	36184	100%

**ISOFOOT CANDLE PLOT**



**UR28-96L-315-4K7-2**

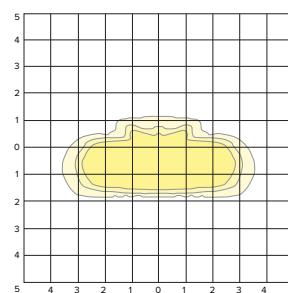
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34239
Watts	315
Efficacy	108.7
IES Type	II
BUG Rating	B3-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	29085	84.9%
Downward House Side	5154	15.1%
Downward Total	34239	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34239	100%

**ISOFOOT CANDLE PLOT**



**UR28-96L-315-4K7-3**

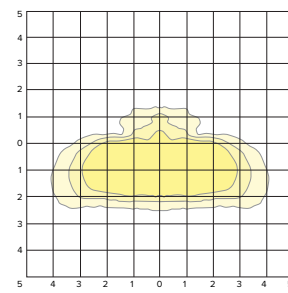
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34632
Watts	313.97
Efficacy	110.3
IES Type	III
BUG Rating	B3-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	30450	87.9%
Downward House Side	4182	12.1%
Downward Total	34632	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34632	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-  
RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-  
C07-270-17

**Notes:****Type:****AC1**

B22-559722

**KIM LIGHTING****UR28**

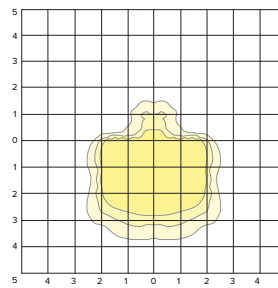
ARCHITECTURAL AREA/SITE

**PHOTOMETRY****UR28-96L-315-4K7-4****LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>34272</b>
Watts	<b>315</b>
Efficacy	<b>108.8</b>
IES Type	<b>IV</b>
BUG Rating	<b>B2-U0-G5</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

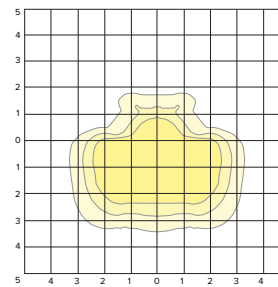
Zone	Lumens	% Luminaire
Downward Street Side	31437	91.7%
Downward House Side	2835	8.3%
Downward Total	34272	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34272	100%

**ISOFOOT CANDLE PLOT****UR28-96L-315-4K7-4W****LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>35181</b>
Watts	<b>315</b>
Efficacy	<b>111.7</b>
IES Type	<b>IV</b>
BUG Rating	<b>B3-U0-G5</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

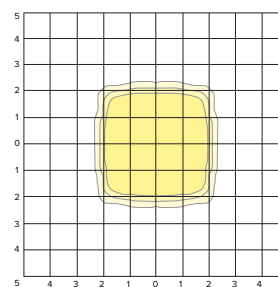
Zone	Lumens	% Luminaire
Downward Street Side	29338	83.4%
Downward House Side	5843	16.6%
Downward Total	35181	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35181	100%

**ISOFOOT CANDLE PLOT****UR28-96L-315-4K7-5QM****LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>35669</b>
Watts	<b>315</b>
Efficacy	<b>113.2</b>
IES Type	<b>V5</b>
BUG Rating	<b>B5-U0-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17835	50.0%
Downward House Side	17835	50.0%
Downward Total	35669	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35669	100%

**ISOFOOT CANDLE PLOT**

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

Notes:

**Type:**

**AC1**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

**UR28-96L-315-4K7-5QN**

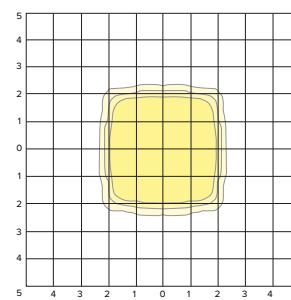
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35267
Watts	315
Efficacy	112.0
IES Type	VS
BUG Rating	B5-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17634	50.0%
Downward House Side	17634	50.0%
Downward Total	35267	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35267	100%

**ISOFOOT CANDLE PLOT**



**UR28-96L-315-4K7-5R**

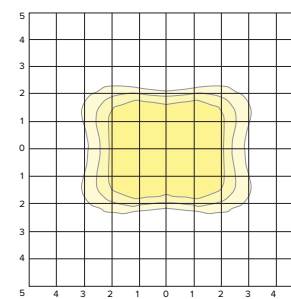
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35712
Watts	315
Efficacy	113.4
IES Type	III
BUG Rating	B5-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17856	50.0%
Downward House Side	17856	50.0%
Downward Total	35712	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35712	100%

**ISOFOOT CANDLE PLOT**



**UR28-96L-315-4K7-5W**

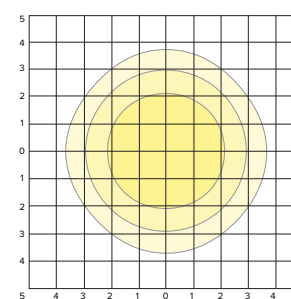
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	36157
Watts	315
Efficacy	114.8
IES Type	VS
BUG Rating	B5-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	18079	50.0%
Downward House Side	18079	50.0%
Downward Total	36157	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	36157	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC1**

B22-559722

**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

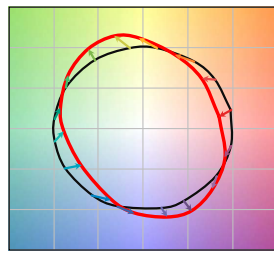
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

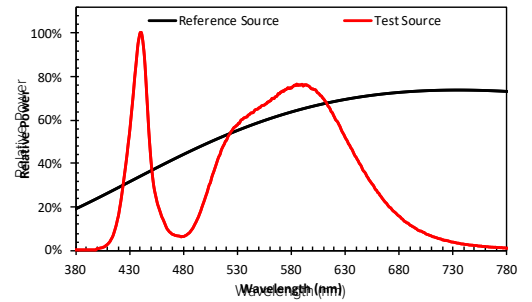


Reference Illuminant — Test Source  
 Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>i</sub>	68
R <sub>a</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



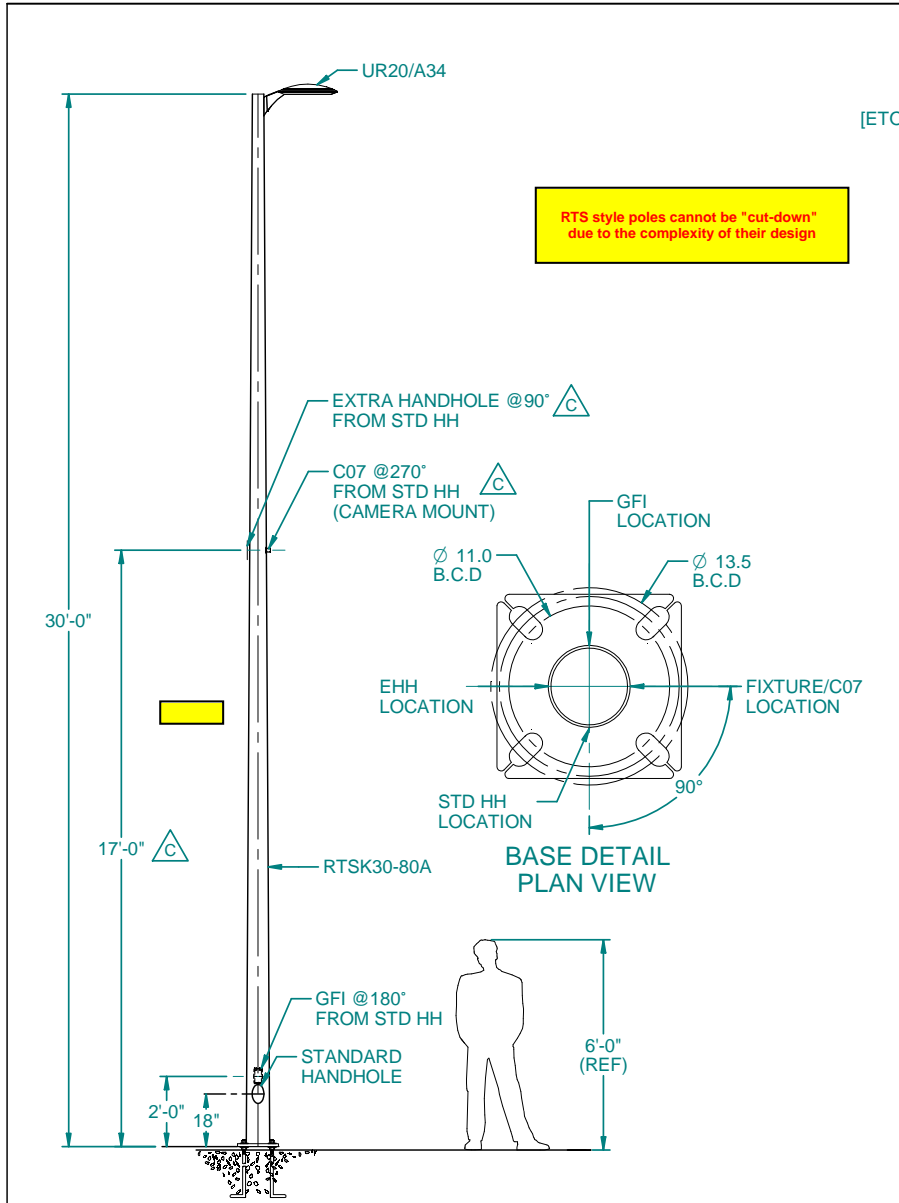
**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming		Absolute voltage range on 0-10V (+)	
					Source current out of 0-10V		Absolute voltage range on 0-10V (+)										
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
500 mA	96	155	120-480	50/60	1.29	0.75	0.65	0.56	0.45	0.32	>0.9	20	10% to 100%	0mA	1mA	0V	10V
430mA	114	160			1.33	0.77	0.67	0.58	0.46	0.33							
550 mA	96	170			1.42	0.82	0.71	0.61	0.49	0.35							
475mA	114	180			1.50	0.87	0.75	0.65	0.52	0.38							
600 mA	96	185			1.54	0.89	0.77	0.67	0.53	0.39							
700 mA	96	220			1.83	1.06	0.92	0.79	0.63	0.46							
800 mA	96	255			2.13	1.23	1.06	0.92	0.73	0.53							
690mA	114	265			2.21	1.27	1.10	0.96	0.76	0.55							
1000 mA	96	315	2.63	1.51	1.31	1.14	0.91	0.66									

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

CRI Lumen Multiplier				
CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

(Specifications continued on page 4)



TYPE	AC1P
CATALOG NUMBER	UR20/A34 (SINGLE)
[ETO] CATALOG NUMBER	RTSK30-80A-1-K2-BLS-MOD GF1180-02-EHH90-17 C07-270-17
FINISH:	POLYESTER POWDER COAT
KIM COLOR:	BLS
TO MATCH:	
	PROVIDE A SAMPLE COLOR CHIP
LIGHT ENGINE	SPECIFY
DRIVE CURRENT or WATTAGE	SPECIFY
VOLTAGE	SPECIFY
	REFER TO SPECIFICATION SHEET FOR ADDITIONAL ELECTRICAL CHARACTERISTICS AND PHOTOMETRIC DATA
ANCHOR BOLTS	
QTY	4
SIZE	1" x 36" x 4"
BOLT CIRCLE	11" - 13.5"
PROJECTION	4.25"
	LEVELING NUTS AND WASHERS MUST BE INSTALLED UNDER ALL BASES
	ONE APPROVED DRAWING MUST BE RETURNED TO KIM BEFORE THIS PRODUCT CAN BE FABRICATED
	WARNING: THIS FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH LOCAL CODES OR THE NATIONAL ELECTRICAL CODE. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY.
	* KIM LIGHTING ASSUMES NO RESPONSIBILITY OF HARM CAUSED BY FAILURES DUE TO IMPROPER SITE ANALYSIS OR USAGE OF PRODUCTS OTHER THAN THEIR INTENDED PURPOSE AS SHOWN IN THIS DOCUMENT.

SOLD TO: \_\_\_\_\_ PO# \_\_\_\_\_ JOB NAME: **WEST COUNTY TRANSPORTATION 367 WEST ROBLES**

**Hubbell Lighting, Inc.**  
 CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES  
 X \_\_\_\_\_

17760 Rowland St.  
 City of Industry, CA 91748  
 (626)968-5666  
 KIM Lighting Reserves The Right To Change Manufacturing Processes Without Notice.

<b>22K-0050</b>	
DATE	DRWN
04/04/2022	PK
DATE	APPRVD
04/04/2022	AUG
DATE	REV.
06/13/2022	C

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC2**

B22-559722

**KIMLIGHTING®**

**UR28**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 28" size in post top, pole and wall mount
- High performance optics up to 35,000 delivered lumens
- Elegant form factor
- Diffusion lens for low glare comfort
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



**CONTROL TECHNOLOGY**



**SPECIFICATIONS**

**CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module..
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

<sup>1</sup>Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

**ELECTRICAL**

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

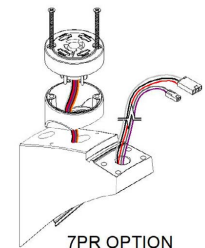
**CONTROLS**

**7PR**

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7PR OPTION

(Specifications continued on page 3)

KEY DATA	
Lumen Range	19,112 - 36,598
Wattage Range	155 - 315
Efficacy Range (LPW)	105 -138
Reported Life (Hours)	L70/>60,000
Weight	50 lbs - 22.6 Kg
EPA	0.524

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_



**RELATED PRODUCTS**

[Ouro Small Post Top](#)

[Ouro Large Post Top](#)

[Ouro Small Arm Mount](#)

PHOTOMETRY  
 BROCHURE  
 DELIVERED LUMENS  
 DIMENSIONAL DRAWINGS



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

Notes:

**Type:**

**AC2**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**ORDERING GUIDE**

Example: UR28-96L-155-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG # \_\_\_\_\_

**HOUSING**

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
UR28	Ouro				
	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>1</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
	<b>96L-155</b> 20,000 lm	<b>27K8</b> <sup>1</sup> 2700K, 80 CRI	<b>FR</b> Type I/Front Row	<b>L</b> <sup>1</sup> Optic rotation left	<b>347</b> 347V
	<b>96L-170</b> 22,500 lm	<b>3K7</b> 3000K, 70 CRI	<b>2</b> Type II	<b>R</b> <sup>1</sup> Optic rotation right	<b>480</b> 480V
	<b>96L-185</b> 24,000 lm	<b>3K8</b> 3000K, 80 CRI	<b>3</b> Type III		<b>DALI</b> 120-277V <sup>*</sup>
	<b>96L-220</b> 27,000 lm	<b>3K9</b> 3000,90 CRI	<b>4</b> Type IV		<sup>*</sup> Consult factory
	<b>96L-255</b> 30,000 lm	<b>35K8</b> 3500K, 80 CRI	<b>4W</b> Type IV Wide		
	<b>96L-315</b> 35,000 lm	<b>4K7</b> 4000K, 70 CRI	<b>5QM</b> Type V Square Medium		
	<b>HDL - High Diffusion Lens</b>	Consult factory for other CCTs and CRIs	<b>5QN</b> Type V Square Narrow		
	<b>114L-160</b> 18,000 lm		<b>5R</b> Type V Rectangular		
	<b>114L-180</b> 20,000 lm		<b>5W</b> Type V Wide (Round)		
	<b>114L-265</b> 25,000 lm		<b>HDL - High Diffusion Lens</b>		
			<b>3</b> Type III/Asymmetric		
			<b>5W</b> Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
<b>ASQ</b> Arm Square pole	<b>BLS</b> Black Gloss Smooth	<b>7PR-TL</b> 7 pin PCR with twist lock photocontrol	<b>BC</b> <sup>6</sup> Back-light Control	<b>SW7PR</b> <sup>2,3</sup> SiteSync™ with 7 pin PCR
<b>A34</b> Arm mt 3.3-4.2" OD pole	<b>BLT</b> Black Matte Textured	<b>7PR-SC</b> 7 pin PCR with shorting cap	<b>SF</b> Single Fuse	<b>SWUSB</b> SiteSync™ Software on USB
<b>A46</b> Arm mt 4.5-6.0" OD pole	<b>DBS</b> Dark Bronze Gloss Smooth	<b>7PR</b> 7 pin PCR, wireless control enabled	<b>DF</b> Double Fuse	<b>SWTAB</b> <sup>10</sup> SiteSync™ Windows™ Tablet
<b>MAF</b> Horizontal Slip Fitter 2.3/8" OD arm	<b>DBT</b> Dark Bronze Matte Textured	<b>AD-01</b> <sup>2</sup> AstroDIM: 50% output at midnight	<b>TB</b> Terminal Block	<b>SWBRG</b> SiteSync™ Wireless Bridge Node
<b>SVSF</b> Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	<b>GTT</b> Graphite Matte Textured	<b>AD-02</b> <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	<b>CLR</b> <sup>5,6,8</sup> Clear Lens	<b>WIR-RME-L</b> wISCAPE™ External Fixture Module
<b>VSF</b> Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	<b>LGS</b> Light Grey Gloss Smooth	<b>AD-03</b> <sup>2</sup> AstroDIM: 50% output 10PM	<b>TPL</b> Tamper proof latch	<b>SCH-R</b> Occ. Sensor for Round Pole (up to 30' MH)
<b>WB</b> Wall Bracket	<b>LGT</b> Light Grey Matte Textured	<b>AD-04</b> <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	<b>CP</b> <sup>12</sup> Clear Polycarbonate Lens	<b>SCH-S</b> Occ. Sensor for Square Pole (up to 30' MH)
	<b>PSS</b> Platinum Silver Gloss Smooth	<b>NXWE</b> NX Wireless Enabled		<b>NXOFM-1RID-UNV</b> NX 7-pin Module
	<b>VGT</b> Verde Green Matte Textured	<b>SWP</b> <sup>2,3,4</sup> SiteSync Pre commission		
	<b>WHS</b> White Gloss Smooth	<b>SWPM-40F</b> <sup>2,3,4,5</sup> SiteSync with Sensor 9' to 40' MH		
	<b>WHT</b> White Matte Textured	<b>WSP-40F-1</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>Color Option</b>	<b>WSP-40F-2</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	<b>CC</b> <sup>7</sup> Custom Color	<b>WSP-40F-3</b> <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		<b>NXSPW14F</b> <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		<b>NXSPW30F</b> <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		<b>NXSP14F</b> <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		<b>NXSP30F</b> <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options.  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node.  
 4 Not available with 347V and 480V.  
 5 96L only.  
 6 Not available with HDL option.  
 7 Consult factory for custom color, marine and corrosive finish  
 8 options.  
 9 Turtle Friendly.  
 10 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 96L-255 and the 96L-315 configuration of the LED Engine  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-  
0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-  
EHH90-17-C07-270-17

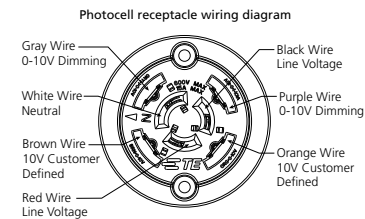
**Notes:****Type:****AC2**

B22-559722

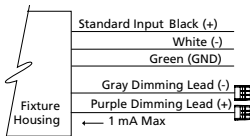
**KIM**LIGHTING**UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
CATALOG #: \_\_\_\_\_

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)****DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS****WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

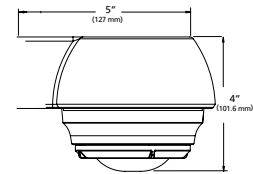
- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-R**

- Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-S**

- Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277/BL<sup>3</sup>

**ASTRODIM**

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:****Type:****AC2**

B22-559722

**KIM LIGHTING****UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**SPECIFICATIONS (CONTINUED)****MOUNTING**

High temperature fuse holders factory installed inside the fixture housing.

Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

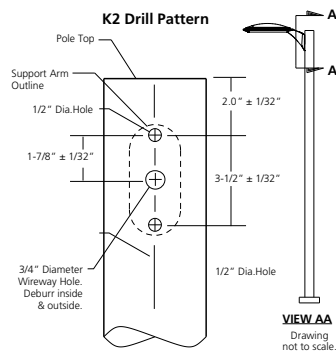
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- IDA approved, 3000K and warmer CCTs only.
- IEC 66262 Mechanical Impact Code IK08, IK10
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 6
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**PRECOMMISSIONED SITESYNC ORDERING INFORMATION.** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7R/FT/NU3/2L-020-3K7/42A/BLS/SWP/UNV/LR



(See specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC2**

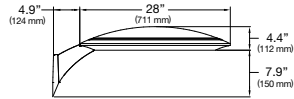
B22-559722

**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

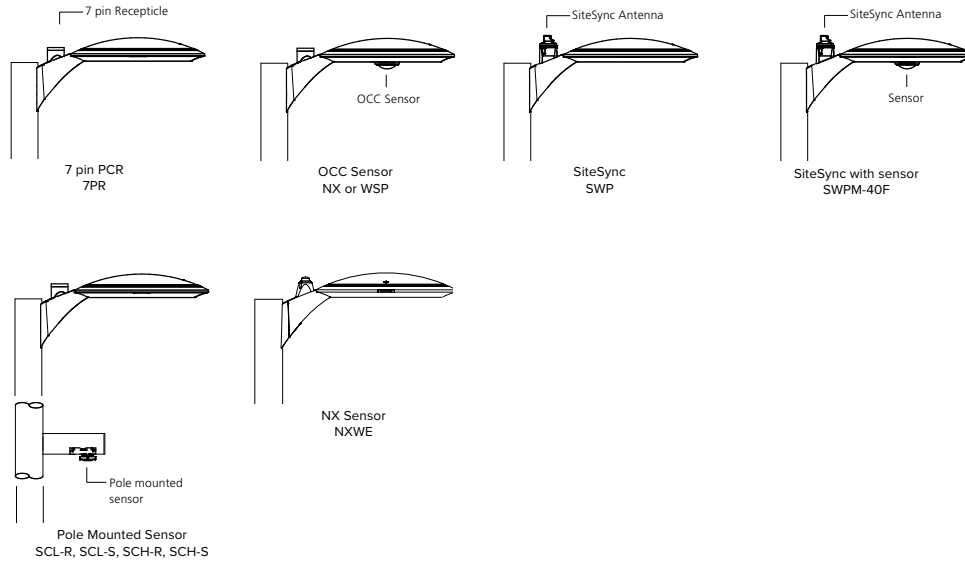
**DIMENSIONS**



Weight: 50 lbs EPA: .524

**SENSOR PLACEMENT**

5.4" (137 mm)



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

[\(Specifications continued on page 4\)](#)



**Job Name:**  
 West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

Notes:

**Type:**

**AC2**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

**DELIVERED LUMENS**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI			4000K 70CRI			5000K 70CRI								
						Lumen	BUG Rating			Lumen	BUG Rating			Lumen	BUG Rating					
							B	U	G		B	U	G		B	U	G			
96L	20,000	500mA	155	Clear lens	FR	20197	2	0	2	130	20705	2	0	2	134	20942	2	0	2	138
					FR-BC	13112	1	0	1	85	13442	1	0	1	87	13595	1	0	1	89
					2	19112	2	0	3	123	19593	2	0	3	126	19817	2	0	3	130
					2-BC	11385	1	0	2	73	11672	1	0	2	75	11805	1	0	2	76
					3	19331	2	0	4	125	19817	2	0	4	128	20044	2	0	4	132
					3-BC	11591	1	0	2	75	11882	1	0	2	77	12018	1	0	2	78
					4	19130	1	0	4	123	19611	1	0	4	127	19835	1	0	4	130
					4-BC	14322	1	0	3	92	14682	1	0	3	95	14850	1	0	3	97
					4W	19637	2	0	4	127	20131	3	0	4	130	20361	3	0	4	134
					4W-BC	12578	1	0	3	81	12894	1	0	3	83	13042	1	0	3	86
					5QM	19910	4	0	2	128	20411	4	0	2	132	20644	4	0	2	136
					5QN	19685	4	0	0	127	20181	4	0	0	130	20411	4	0	0	134
					5R	19933	4	0	4	129	20435	4	0	4	132	20668	4	0	4	136
					5W	20182	5	0	3	130	20689	5	0	3	133	20926	5	0	3	138
					FR	19187	2	0	2	124	19670	2	0	2	127	19895	2	0	2	130
					FR-BC	12456	0	0	1	80	12769	0	0	1	82	12915	0	0	1	83
					2	18156	2	0	3	117	18613	2	0	3	120	18826	2	0	3	123
					2-BC	10816	1	0	2	70	11088	1	0	2	72	11215	1	0	2	72
					3	18364	2	0	3	118	18826	2	0	3	121	19041	2	0	3	124
					3-BC	10873	1	0	2	70	11147	1	0	2	72	11274	1	0	2	73
4	18173	1	0	4	117	18630	1	0	4	120	18843	1	0	4	123					
4-BC	13606	1	0	3	88	13948	1	0	2	90	14108	1	0	2	91					
4W	18655	2	0	4	120	19124	2	0	4	123	19342	2	0	4	126					
4W-BC	11949	1	0	3	77	12250	1	0	3	79	12390	1	0	3	80					
5QM	18914	4	0	2	122	19390	4	0	2	125	19612	4	0	2	128					
5QN	18701	4	0	0	121	19172	4	0	0	124	19391	4	0	0	127					
5R	18937	4	0	4	122	19413	4	0	4	125	19635	4	0	4	128					
5W	19173	5	0	3	124	19655	5	0	3	127	19880	5	0	3	130					
114L		430mA	160	HDL lens	3	17717	3	0	3	111	18162	3	0	3	114	18370	3	0	3	116
					5W	18962	4	0	2	119	18345	4	0	2	115	18555	4	0	2	117

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages

(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

Notes:

**Type:**

**AC2**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

UR28-96L-315-4K7-FR

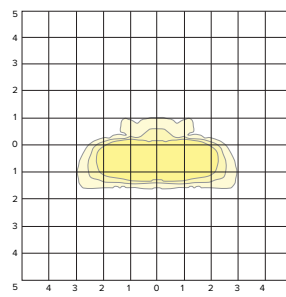
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	36184
Watts	315
Efficacy	114.9
IES Type	I
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	32749	90.5%
Downward House Side	3436	9.5%
Downward Total	36184	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	36184	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-2

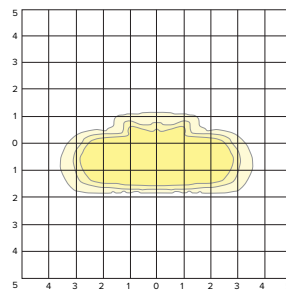
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34239
Watts	315
Efficacy	108.7
IES Type	II
BUG Rating	B3-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	29085	84.9%
Downward House Side	5154	15.1%
Downward Total	34239	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34239	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-3

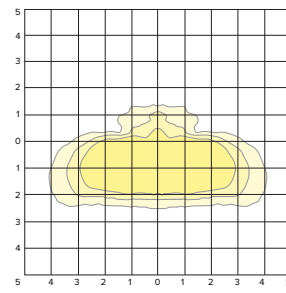
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34632
Watts	313.97
Efficacy	110.3
IES Type	III
BUG Rating	B3-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	30450	87.9%
Downward House Side	4182	12.1%
Downward Total	34632	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34632	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC2**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

UR28-96L-315-4K7-4

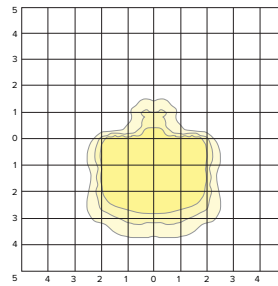
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34272
Watts	315
Efficacy	108.8
IES Type	IV
BUG Rating	B2-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	31437	91.7%
Downward House Side	2835	8.3%
Downward Total	34272	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34272	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-4W

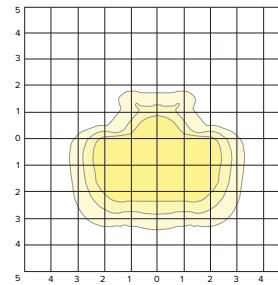
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35181
Watts	315
Efficacy	111.7
IES Type	IV
BUG Rating	B3-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	29338	83.4%
Downward House Side	5843	16.6%
Downward Total	35181	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35181	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-5QM

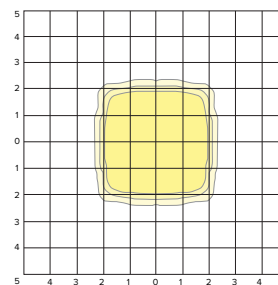
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35669
Watts	315
Efficacy	113.2
IES Type	V5
BUG Rating	B5-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17835	50.0%
Downward House Side	17835	50.0%
Downward Total	35669	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35669	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC2**

B22-559722

**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

**UR28-96L-315-4K7-5QN**

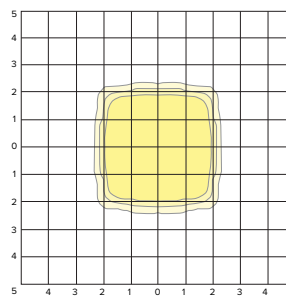
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35267
Watts	315
Efficacy	112.0
IES Type	VS
BUG Rating	B5-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17634	50.0%
Downward House Side	17634	50.0%
Downward Total	35267	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35267	100%

**ISOFOOT CANDLE PLOT**



**UR28-96L-315-4K7-5R**

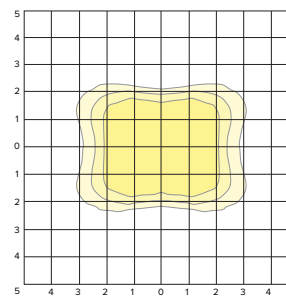
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35712
Watts	315
Efficacy	113.4
IES Type	III
BUG Rating	B5-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17856	50.0%
Downward House Side	17856	50.0%
Downward Total	35712	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35712	100%

**ISOFOOT CANDLE PLOT**



**UR28-96L-315-4K7-5W**

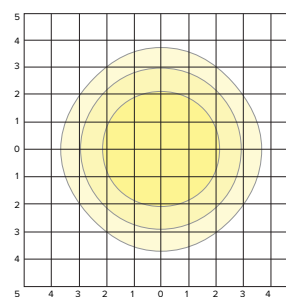
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	36157
Watts	315
Efficacy	114.8
IES Type	VS
BUG Rating	B5-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	18079	50.0%
Downward House Side	18079	50.0%
Downward Total	36157	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	36157	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC2**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

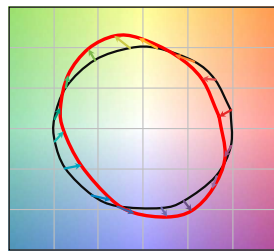
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

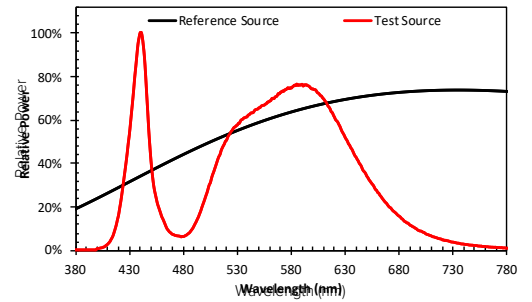


— Reference Illuminant — Test Source  
 — Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>i</sub>	68
R <sub>a</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming		Absolute voltage range on 0-10V (+)	
														Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
														Min	Max	Min	Max
500 mA	96	155	120-480	50/60	120	208	240	277	347	480	>0.9	20	10% to 100%	0mA	1mA	0V	10V
430mA	114	160			1.29	0.75	0.65	0.56	0.45	0.32							
550 mA	96	170			1.33	0.77	0.67	0.58	0.46	0.33							
475mA	114	180			1.42	0.82	0.71	0.61	0.49	0.35							
600 mA	96	185			1.50	0.87	0.75	0.65	0.52	0.38							
700 mA	96	220			1.54	0.89	0.77	0.67	0.53	0.39							
800 mA	96	255			1.83	1.06	0.92	0.79	0.63	0.46							
800 mA	96	255			2.13	1.23	1.06	0.92	0.73	0.53							
690mA	114	265	2.21	1.27	1.10	0.96	0.76	0.55									
1000 mA	96	315	2.63	1.51	1.31	1.14	0.91	0.66									

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

CRI Lumen Multiplier				
CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

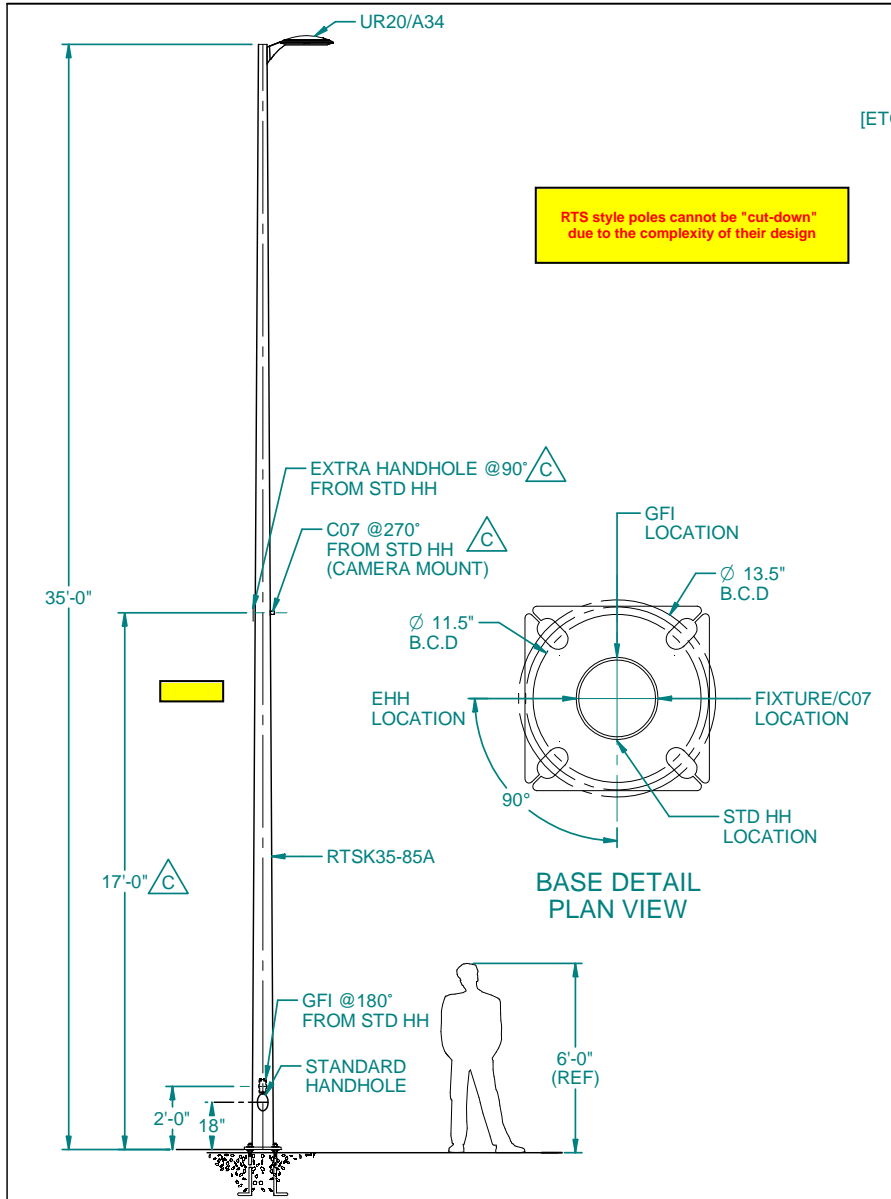
UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GF1180-02-EHH90-17-C07-270-17

**Notes:**

**Type:**

**AC2**

B22-559722



TYPE	AC2P
CATALOG NUMBER	UR20/A34 (SINGLE)
[ETO] CATALOG NUMBER	RTSK35-85A-1-K2-BLS-MOD GF1180-02-EHH90-17 -C07-270-17 <span style="border: 1px solid black; padding: 2px;">C</span>
FINISH:	POLYESTER POWDER COAT
KIM COLOR:	BLS
TO MATCH:	
	PROVIDE A SAMPLE COLOR CHIP
LIGHT ENGINE	SPECIFY
DRIVE CURRENT or WATTAGE	SPECIFY
VOLTAGE	SPECIFY
	REFER TO SPECIFICATION SHEET FOR ADDITIONAL ELECTRICAL CHARACTERISTICS AND PHOTOMETRIC DATA
ANCHOR BOLTS	
QTY	4
SIZE	1" x 36" x 4"
BOLT CIRCLE	11.5" - 13.5"
PROJECTION	4.25"
	LEVELING NUTS AND WASHERS MUST BE INSTALLED UNDER ALL BASES
	ONE APPROVED DRAWING MUST BE RETURNED TO KIM BEFORE THIS PRODUCT CAN BE FABRICATED
	WARNING: THIS FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH LOCAL CODES OR THE NATIONAL ELECTRICAL CODE. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY.
	* KIM LIGHTING ASSUMES NO RESPONSIBILITY OF HARM CAUSED BY FAILURES DUE TO IMPROPER SITE ANALYSIS OR USAGE OF PRODUCTS OTHER THAN THEIR INTENDED PURPOSE AS SHOWN IN THIS DOCUMENT.

SOLD TO:

PO#

JOB NAME:

WEST COUNTY TRANSPORTATION 367 WEST ROBLES



**Hubbell Lighting, Inc.**

CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

X \_\_\_\_\_



**KIM LIGHTING**

17760 Rowland St.  
 City of Industry, CA 91748  
 (626)968-5666

KIM Lighting Reserves The Right To Change Manufacturing Processes Without Notice.

**22K-0052**

DATE	DRWN
04/04/2022	PK
DATE	APPRVD
04/04/2022	AUG
DATE	REV.
06/13/2022	<span style="border: 1px solid black; padding: 2px;">C</span>

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:****AC3A**

B22-559722

**KIMLIGHTING®****UR20**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 20" size in post top, pole and wall mount
- High performance optics up to 17,000 delivered lumens
- Elegant form factor
- Diffusion lens option
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



3000K and warmer CCTs only

See Certification Specifications

**CONTROL TECHNOLOGY****SPECIFICATIONS****CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module.
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

<sup>1</sup>Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

**Ouro™****RELATED PRODUCTS**

[Ouro Small Post Top](#)

[Ouro Large Post Top](#)

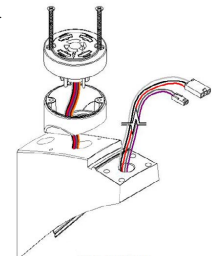
[Ouro Large Arm Mount](#)

**CONTROLS****7PR**

- Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use.



7PR OPTION  
 (Specifications continued on page 3)

KEY DATA	
Lumen Range	2888 - 17080
Wattage Range	25 - 150
Efficacy Range (LPW)	100 -136
Reported Life (Hours)	L70/>60,000
Weight	32 lbs - 14.5 Kg
EPA	0.372



Submitted by Lighting Systems		<b>Catalog Number:</b> UR20-56L-110-3K7-4W-UNV-A34-DBS	<b>Type:</b> <b>AC3A</b>
	<b>Job Name:</b> West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San	<b>Notes:</b>	B22-559722

# UR20

ARCHITECTURAL AREA/SITE

## ORDERING GUIDE

Example: UR20-24L-25-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG #

### HOUSING

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
<b>UR20</b> <b>Ouro</b>	<b>No Lens or Clear Lens</b>	<b>AM</b> <sup>11</sup> Amber, 595nm	<b>No Lens or Clear Lens</b>	<b>(Blank)</b> Blank for no rotation	<b>UNV</b> 120-277V
	24L-25 3,000 lm	27K8 2700K, 80 CRI	FR Type I/ Front Row		347 347V
	24L-65 7,000 lm	3K7 3000K, 70 CRI	2 Type II	L <sup>1</sup> Optic rotation left	480 480V
	56L-75 10,000 lm	3K8 3000K, 80 CRI	3 Type III	R <sup>1</sup> Optic rotation right	DALI 120-277V
	56L-110 15,000 lm	3K9 3000K, 90 CRI	4 Type IV		'Consult factory
	56L-140 17,000 lm	35K8 3500K, 80 CRI	4W Type IV Wide		
	<b>HDL - High Diffusion Lens</b>	4K7 4000K, 70 CRI	5QM Type V Square Medium		
	28L-30 3,000 lm	4K8 4000K, 80 CRI	5QN Type V Square Narrow		
	28L-70 7,000 lm	5K7 5000K, 70 CRI	5R Type V Rectangular		
	68L-80 9,000 lm	Consult factory for other CCTs and CRIs	5W Type V Wide (Round)		
	68L-115 13,000 lm		<b>HDL - High Diffusion Lens</b>		
	68L-150 15,000 lm		3 Type III/Asymmetric		
			5W Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
ASQ Arm Square pole	BLS Black Gloss Smooth	7PR-TL 7 pin PCR with twist lock photocontrol	BC <sup>6</sup> Back-light Control	SW7PR <sup>2,3</sup> SiteSync™ with 7 pin PCR
A34 Arm mt 3.3-4.2" OD pole	BLT Black Matte Textured	7PR-SC 7 pin PCR with shunting cap	SF Single Fuse	SWUSB SiteSync™ Software on USB
A46 Arm mt 4.5-6.0" OD pole	DBS Dark Bronze Gloss Smooth	7PR 7 pin PCR, wireless control enabled	DF Double Fuse	SWTAB <sup>10</sup> SiteSync™ Windows® Tablet
MAF Horizontal Slip Fitter 2 3/8" OD arm	DBT Dark Bronze Matte Textured	AD-01 <sup>2</sup> AstroDIM: 50% output at midnight	TB Terminal Block	SWBRG SiteSync™ Wireless Bridge Node
SVSF Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	GTT Graphite Matte Textured	AD-02 <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	CLR <sup>5,6,13</sup> Clear Lens	WIR-RME-L w/ISCAPE™ External Fixture Module
VSF Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	LGS Light Grey Gloss Smooth	AD-03 <sup>2</sup> AstroDIM: 50% output 10PM	TPL Tamper proof latch	SCH-R Occ. Sensor for Round Pole (up to 30' MH)
WB Wall Bracket	LGT Light Grey Matte Textured	AD-04 <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	CP <sup>12</sup> Clear Polycarbonate Lens	SCH-S Occ. Sensor for Square Pole (up to 30' MH)
	PSS Platinum Silver Gloss Smooth	NXWE NX Wireless Enabled		NXOFM-1R1D-UNV NX 7-pin Module
	VGT Verde Green Matte Textured	SWP <sup>2,3,4</sup> SiteSync™ Pre commission		
	WHS White Gloss Smooth	SWPM-40F <sup>2,3,4,5</sup> SiteSync™ with Sensor 9' to 40' MH		
	WHT White Matte Textured	WSP-40F-1 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	<b>Color Option</b>	WSP-40F-2 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	CC <sup>7</sup> Custom Color	WSP-40F-3 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		NXSPW14F <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		NXSPW30F <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		NXSP14F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		NXSP30F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node  
 4 Not available with 347V and 480V.  
 5 24L and 56L only  
 6 Not available with HDL option  
 7 Consult factory for custom color, marine and corrosive finish

8 Turtle Friendly.  
 9 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 24L-65 and the 56L-140 configuration of the LED Engine  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-  
DBS

Notes:

**Type:**

**AC3A**

B22-559722

## UR20

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

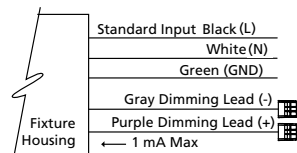
CATALOG #: \_\_\_\_\_

### SPECIFICATIONS (CONTINUED)

#### CONTROLS (CONTINUED)

##### DIMMING:

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.



#### WIRELESS CONTROLS

##### WISCAPE™

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

##### WIR-RME-L

- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

##### SITESYNC™

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

##### NX DISTRIBUTED INTELLIGENCE™

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

#### POLE MOUNTED

##### ROUND POLE-MOUNTED OCCUPANCY

Sensor up to 30'. Select voltage and finish color.

##### SCH-R

Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4<sup>1</sup>/277<sup>2</sup>/BL<sup>3</sup>

##### SQUARE POLE-MOUNTED OCCUPANCY

Sensor up to 30'. Select voltage and finish color.

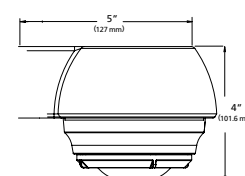
##### SCH-S

Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277<sup>2</sup>/BL<sup>3</sup>

#### ASTRODIM

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim  
Lighting - Updated 7.1.2022  
Architect: Glass Architects (Santa Rosa)  
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-  
DBS

Notes:

**Type:****AC3A**

B22-559722

**KIM LIGHTING****UR20**

ARCHITECTURAL AREA/SITE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
CATALOG #: \_\_\_\_\_

**SPECIFICATIONS (CONTINUED)****MOUNTING**

- High temperature fuse holders factory installed inside the fixture housing.
- Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

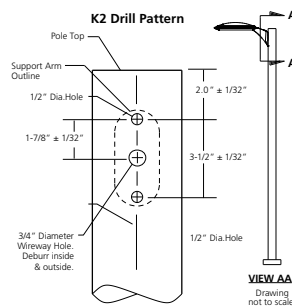
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 5
- IEC 66262 Mechanical Impact Code IK08, IK10
- IDA approved, 3000K and warmer CCTs only.
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**\*PRECOMMISSIONED SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
PA7R/FT/NU3/12L-020-3K7/42A/BLS/SWP/UNV/LR



(See specifications continued on page 4)

Submitted by Lighting Systems



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:**

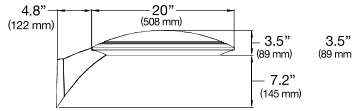
**AC3A**

B22-559722

**UR20**

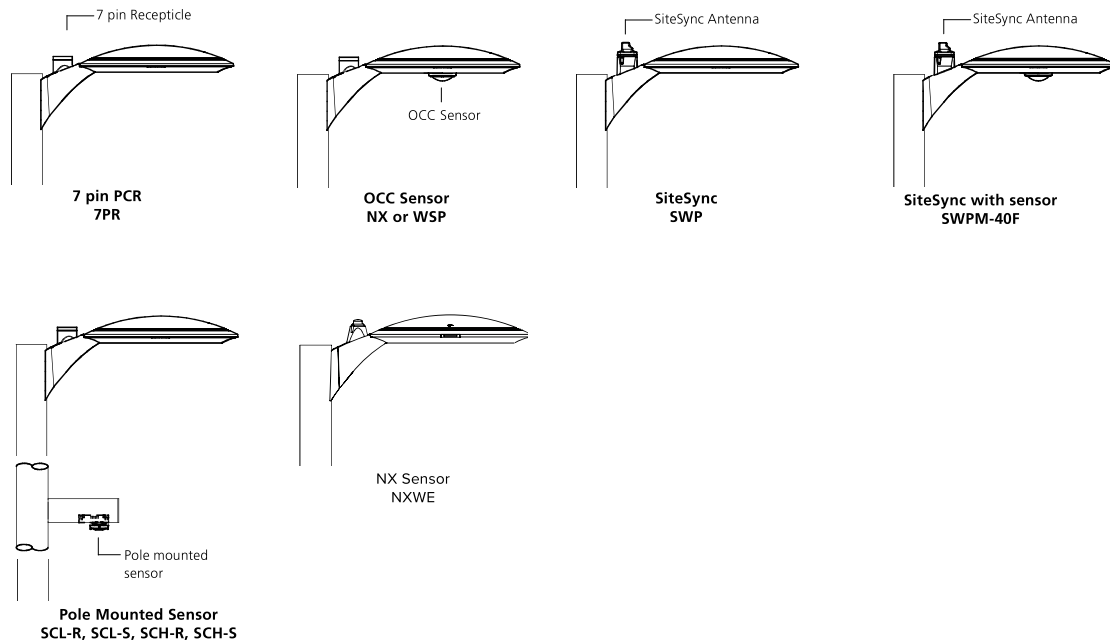
ARCHITECTURAL AREA/SITE

**DIMENSIONS**



Weight: 32 lbs EPA: .372

**SENSOR PLACEMENT**



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

[\(See Specifications continued on page 4\)](#)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:**

**AC3A**

B22-559722



**UR20**

ARCHITECTURAL AREA/SITE

**DELIVERED LUMENS (CONTINUED)**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI											
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w					
							B	U	G			B	U	G			B	U	G						
56L	15,000	600mA	110	No lens	FR	15041	1	0	2	139	16005	1	0	2	147	15895	1	0	2	146					
					FR-BC	9451	0	0	1	87	10056	0	0	1	93	9987	0	0	1	92					
					2	13900	2	0	2	128	14791	2	0	2	136	14689	2	0	2	135					
					2-BC	8159	0	0	2	75	8682	0	0	2	80	8623	0	0	2	79					
					3	13808	2	0	3	127	14692	2	0	3	135	14592	2	0	3	134					
					3-BC	8256	1	0	2	75	8785	1	0	2	80	8725	1	0	2	79					
					4	13878	1	0	3	128	14768	1	0	3	136	14667	1	0	3	135					
					4-BC	10283	1	0	2	95	10942	1	0	3	101	10867	1	0	3	100					
					4W	14135	2	0	3	130	15041	2	0	4	139	14938	2	0	3	138					
					4W-BC	8877	0	0	2	82	9446	0	0	2	87	9381	0	0	2	86					
					5QM	14402	4	0	2	133	15325	4	0	2	141	15220	4	0	2	140					
					5QN	14957	4	0	1	138	15915	4	0	1	147	15806	4	0	1	146					
					5R	14275	4	0	4	132	15190	4	0	4	140	15086	4	0	4	139					
					5W	14120	4	0	2	130	15025	4	0	2	138	14922	4	0	2	138					
					68L	500mA	115	HDL lens	clear lens	FR	14230	1	0	1	132	15142	1	0	2	140	15038	1	0	2	139
										FR-BC	8941	0	0	1	83	9514	0	0	1	88	9449	0	0	1	87
										2	13151	2	0	2	122	13994	2	0	2	129	13898	2	0	2	129
										2-BC	7720	0	0	2	71	8215	0	0	2	76	8158	0	0	2	75
3	13064	2	0	2						121	13901	2	0	2	129	13806	2	0	2	128					
3-BC	7645	1	0	2						69	8135	1	0	2	74	8079	1	0	2	73					
4	13131	1	0	3						121	13972	1	0	3	129	13876	1	0	3	128					
4-BC	9729	1	0	2						90	10353	1	0	2	94	10282	1	0	2	95					
4W	13374	2	0	3						124	14231	2	0	3	132	14134	2	0	3	131					
4W-BC	8399	0	0	2						78	8937	0	0	2	83	8876	0	0	2	82					
5QM	13626	3	0	2						126	14500	4	0	2	134	14400	4	0	2	133					
5QN	14151	4	0	1						131	15058	4	0	1	139	14955	4	0	1	138					
5R	13506	4	0	4						125	14372	4	0	4	133	14273	4	0	4	132					
5W	13359	4	0	2						124	14215	4	0	2	132	14118	4	0	2	131					
68L	500mA	115	HDL lens	clear lens						3	12410	3	0	2	109	13206	3	0	3	116	13115	3	0	3	116
										5W	12691	3	0	2	112	13505	3	0	2	119	13412	3	0	2	118

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:**

**AC3A**

B22-559722

**UR20**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

UR20-56L-140-4K7-FR

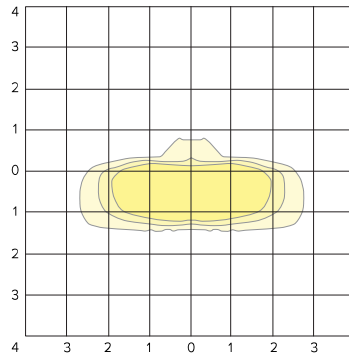
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	18123
Watts	140
Efficacy	129.5
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	16164	89.2%
Downward House Side	1959	10.8%
Downward Total	18123	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18123	100%

**ISOFOOT CANDLE PLOT**



UR20-56L-140-4K7-2

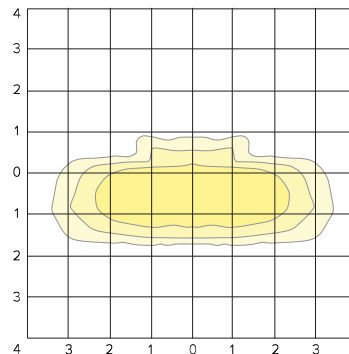
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16748
Watts	140
Efficacy	119.6
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	13888	82.9%
Downward House Side	2860	17.1%
Downward Total	16748	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16748	100%

**ISOFOOT CANDLE PLOT**



UR20-56L-140-4K7-3

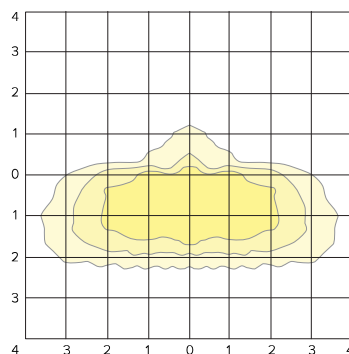
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16637
Watts	140
Efficacy	118.8
IES Type	III
BUG Rating	B2-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14461	86.9%
Downward House Side	2176	13.1%
Downward Total	16637	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16637	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:**

**AC3A**

B22-559722

**UR20**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

**UR20-56L-140-4K7-4**

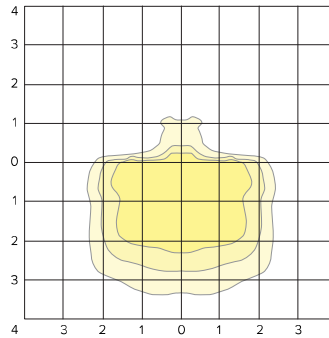
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	16722
Watts	140
Efficacy	119.4
IES Type	IV
BUG Rating	B1-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	15112	90.4%
Downward House Side	1610	9.6%
Downward Total	16722	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16722	100%

**ISOFOOT CANDLE PLOT**



**UR20-56L-140-4K7-4W**

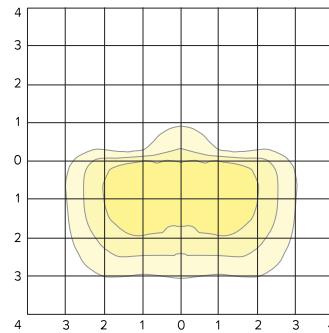
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17033
Watts	138
Efficacy	123.4
IES Type	IV
BUG Rating	B2-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	15040	88.3%
Downward House Side	1993	11.7%
Downward Total	17033	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17033	100%

**ISOFOOT CANDLE PLOT**



**UR20-56L-140-4K7-5QM**

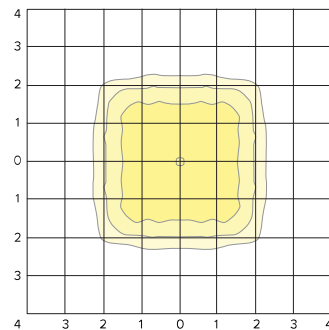
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	17354
Watts	140
Efficacy	124.0
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8677	50.0%
Downward House Side	8677	50.0%
Downward Total	17354	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17354	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:**

**AC3A**

B22-559722

# UR20

ARCHITECTURAL AREA/SITE

## PHOTOMETRY

### UR20-56L-140-4K7-5QN

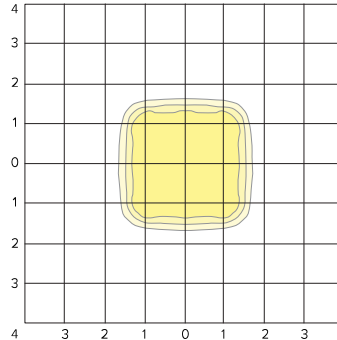
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	18023
Watts	140
Efficacy	128.7
IES Type	VS
BUG Rating	B4-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	9012	50.0%
Downward House Side	9012	50.0%
Downward Total	18023	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18023	100%

#### ISOFOOT CANDLE PLOT



### UR20-56L-140-4K7-5R

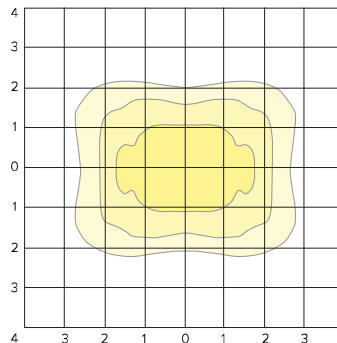
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	17201
Watts	140
Efficacy	122.9
IES Type	III
BUG Rating	B4-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8601	50.0%
Downward House Side	8601	50.0%
Downward Total	17201	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17201	100%

#### ISOFOOT CANDLE PLOT



### UR20-56L-140-4K7-5W

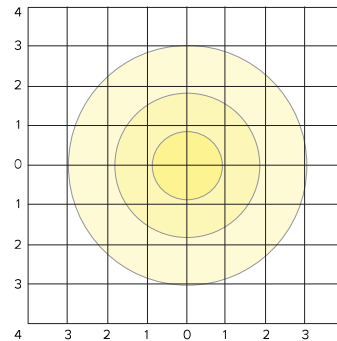
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	17014
Watts	140
Efficacy	121.5
IES Type	III
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8507	50.0%
Downward House Side	8507	50.0%
Downward Total	17014	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17014	100%

#### ISOFOOT CANDLE PLOT



(Specifications continued on page 4)



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR20-56L-110-3K7-4W-UNV-A34-DBS

Notes:

**Type:**

**AC3A**

B22-559722

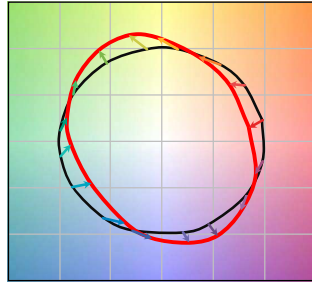
**KIM LIGHTING**

**UR20**

ARCHITECTURAL AREA/SITE

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

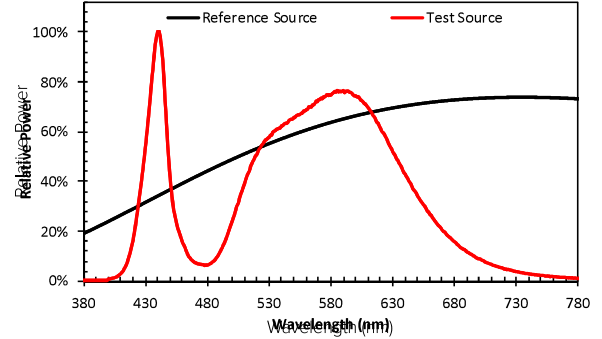


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>t</sub>	68
R <sub>g</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
298mA	24	25	120-480	50/60	0.21	0.12	0.10	0.09	0.07	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
298mA	28	30			0.25	0.14	0.13	0.11	0.09	0.06							
800mA	24	65			0.54	0.31	0.27	0.23	0.19	0.14							
700mA	28	70			0.58	0.34	0.29	0.25	0.20	0.15							
420mA	56	75			0.63	0.36	0.31	0.27	0.22	0.16							
350mA	68	80			0.67	0.38	0.33	0.29	0.23	0.17							
600mA	56	110			0.92	0.53	0.46	0.40	0.32	0.23							
500mA	68	115			0.96	0.55	0.48	0.42	0.33	0.24							
850mA	56	140			1.17	0.67	0.58	0.51	0.40	0.29							
675mA	68	150			1.25	0.72	0.63	0.54	0.43	0.31							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

CRI Lumen Multiplier				
CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:****AC3B**

B22-559722

**KIMLIGHTING®****UR28**

ARCHITECTURAL AREA/SITE

**FEATURES**

- 28" size in post top, pole and wall mount
- High performance optics up to 35,000 delivered lumens
- Elegant form factor
- Diffusion lens for low glare comfort
- SiteSync™ wireless control options
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



3000K and warmer CCTs only

See Certification Specifications

**CONTROL TECHNOLOGY****SPECIFICATIONS****CONSTRUCTION**

- Low copper aluminum alloy die-casting is designed as one-piece with internal cooling fins.
- Solid, cast aluminum wall creates a thermal barrier between the optical and electrical compartments.
- Molded silicone gasket throughout insures the sealing between the two compartments and provides ingress protection.
- Housing is designed with integral LED heat sink utilized for thermal transfer and for securing the location of each LED module..
- All external fasteners are stainless steel.
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with 6 screws.

**OPTICS**

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Optional Backlight Control on each LED module to completely control unwanted backlight.

**LENS**

- Standard lens (CLR) IK08
- Clear Polycarbonate Lens (CP) IK10

**INSTALLATION**

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

<sup>1</sup> Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

**ELECTRICAL**

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Surge protection: 10,000k in parallel, 20,000k in series
- Wiring: No. 18AWM rated 105°C, wet rating.

**CONTROLS****7PR**

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

**RELATED PRODUCTS**

[Ouro Small Post Top](#)

[Ouro Large Post Top](#)

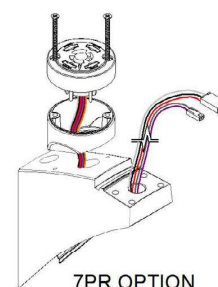
[Ouro Small Arm Mount](#)



Ouro Arm Mount

Standard customer operation modes:

- Traditional on/off photoelectric control.
- 5-pin wireless photoelectric control for added dimming feature.
- 7-pin wireless photoelectric control for dimming and additional I/O connections for customer use.



7PR OPTION

(Specifications continued on page 3)

KEY DATA	
Lumen Range	19,112 - 36,598
Wattage Range	155 - 315
Efficacy Range (LPW)	105 - 138
Reported Life (Hours)	L70 > 60,000
Weight	50 lbs - 22.6 Kg
EPA	0.524



**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:**

**AC3B**

B22-559722



**UR28**

ARCHITECTURAL AREA/SITE

**ORDERING GUIDE**

Example: UR28-96L-155-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB

CATALOG #

**HOUSING**

Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
<b>UR28</b>	<b>Ouro</b>				
	No Lens or Clear Lens	AM <sup>11</sup> Amber, 595nm	No Lens or Clear Lens	(Blank) Blank for no rotation	UNV 120-277V
	96L-155 20,000 lm	27K8 <sup>1</sup> 2700K, 80 CRI	FR Type I/Front Row	L <sup>1</sup> Optic rotation left	347 347V
	96L-170 22,500 lm	3K7 3000K, 70 CRI	2 Type II	R <sup>1</sup> Optic rotation right	480 480V
	96L-185 24,000 lm	3K8 3000K, 80 CRI	3 Type III		DALI 120-277V
	96L-220 27,000 lm	3K9 3000,90 CRI	4 Type IV		*Consult factory
	96L-255 30,000 lm	35K8 3500K, 80 CRI	4W Type IV Wide		
	96L-315 35,000 lm	4K7 4000K, 70 CRI	5QM Type V Square Medium		
	HDL - High Diffusion Lens	4K8 4000K, 80 CRI	5QN Type V Square Narrow		
	114L-160 18,000 lm	5K7 5000K, 70 CRI	5P Type V Rectangular		
	114L-180 20,000 lm	Consult factory for other CCTs and CRIs	5W Type V Wide (Round)		
	114L-265 25,000 lm		HDL - High Diffusion Lens		
			3 Type III/Asymmetric		
			5W Type V/Symmetric		

Mounting	Fixture Finish	Control Options	Options	Control Accessories
ASQ Arm Square pole	BLS Black Gloss Smooth	7PR-TL 7 pin PCR with twist lock photocontrol	BC <sup>6</sup> Back-light Control	SW7PR <sup>2,3</sup> SiteSync™ with 7 pin PCR
A34 Arm mt 3.3-4.2" OD pole	BLT Black Matte Textured	7PR-SC 7 pin PCR with shorting cap	SF Single Fuse	SWUSB SiteSync™ Software on USB
A46 Arm mt 4.5-6.0" OD pole	DBS Dark Bronze Gloss Smooth	7PR 7 pin PCR, wireless control enabled	DF Double Fuse	SWTAB <sup>10</sup> SiteSync™ Windows™ Tablet
MAF Horizontal Slip Fitter 2-3/8" OD arm	DBT Dark Bronze Matte Textured	AD-01 <sup>2</sup> AstroDIM: 50% output at midnight	TB Terminal Block	SWBRG SiteSync™ Wireless Bridge Node
SVSF Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)	GTT Graphite Matte Textured	AD-02 <sup>2</sup> AstroDIM: 50% output midnight to 4 AM	CLR <sup>5,6,13</sup> Clear Lens	WIR-RME-L wiSCAPE™ External Fixture Module
VSF Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)	LGS Light Grey Gloss Smooth	AD-03 <sup>2</sup> AstroDIM: 50% output 10PM	TPL Tamper proof latch	SCH-R Occ. Sensor for Round Pole (up to 30' MH)
WB Wall Bracket	LGT Light Grey Matte Textured	AD-04 <sup>2</sup> AstroDIM: 50% output 10PM to 4AM	CP <sup>12</sup> Clear Polycarbonate Lens	SCH-S Occ. Sensor for Square Pole (up to 30' MH)
	PSS Platinum Silver Gloss Smooth	NXWE NX Wireless Enabled		NXOFM-IR1D-UNV NX 7-pin Module
	VGT Verde Green Matte Textured	SWP <sup>2,3,4</sup> SiteSync Pre commission		
	WHS White Gloss Smooth	SWPM-40F <sup>2,3,4,5</sup> SiteSync with Sensor 9' to 40' MH		
	WHT White Matte Textured	WSP-40F-1 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 120/277/347V		
	Color Option	WSP-40F-2 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 208/240V		
	CC <sup>7</sup> Custom Color	WSP-40F-3 <sup>2,5</sup> Dimming Occ. Sensor for up to 40' MH, 480V		
		NXSPW14F <sup>2,5</sup> NX Wireless, PIR Sensor, 14'		
		NXSPW30F <sup>2,5</sup> NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		
		NXSP14F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
		NXSP30F <sup>2,5</sup> NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'		

1 Not available with 5QM, 5QN, and 5W distributions.  
 2 Not available with other sensor or wireless control options.  
 3 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync™ License, GUI, and Bridge Node.  
 4 Not available with 347V and 480V.  
 5 96L only.  
 6 Not available with HDL option.  
 7 Consult factory for custom color marine and corrosive finish

options.  
 8 Turtle Friendly.  
 9 Please see Delivered Lumens chart on Page 5 for lumen trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.  
 11 Not available with 96L-255 and the 96L-315 configuration of the LED Engine.  
 12 IK10 rated. Consult factory for details  
 13 IK08 rated. Consult factory for details



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**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:****AC3B**

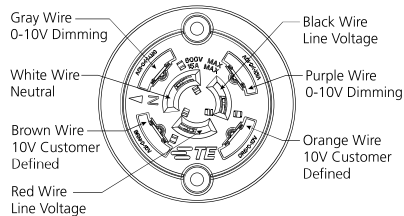
B22-559722

**KIM LIGHTING****UR28**

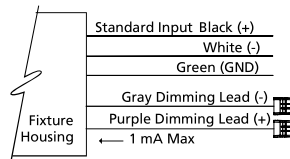
ARCHITECTURAL AREA/SITE

**SPECIFICATIONS (CONTINUED)****CONTROLS (CONTINUED)**

Photocell receptacle wiring diagram

**DIMMING:**

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.
- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

**WIRELESS CONTROLS  
WISCAPE™**

- Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to be managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

**WIR-RME-L**

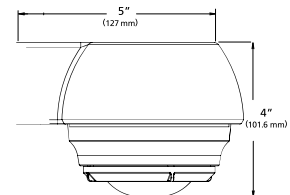
- wiSCAPE External Module, 120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

**SITESYNC™1**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/products/sitesync](http://www.hubbellighting.com/products/sitesync) for more details.

**NX DISTRIBUTED INTELLIGENCE™**

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

**POLE MOUNTED****ROUND POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-R**

- Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-R4/277<sup>2</sup>/BL<sup>3</sup>

**SQUARE POLE-MOUNTED OCCUPANCY**

Sensor up to 30'. Select voltage and finish color.

**SCH-S**

- Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

- Ordering Example: SCH-S/277<sup>2</sup>/BL<sup>3</sup>

**ASTRODIM**

- AstroDIM provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on/off times.

[\(Specifications continued on page 4\)](#)

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Notes:

**Type:****AC3B**

B22-559722

**UR28**

ARCHITECTURAL AREA/SITE

**SPECIFICATIONS (CONTINUED)****MOUNTING**

High temperature fuse holders factory installed inside the fixture housing.

Fuse is included.

**SUPPORT ARM:**

- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. The block accepts #14 to #8 wire sizes and is factory prewired to the electrical module's quick-disconnect plug inside the electrical compartment.

**OPTIONAL SLIP-FITTER:**

- Internally accessible slip-fitter attaches to a 1-1/4" to 2-3/8" tenon and allows hands-free wiring and maintenance.

**OPTIONAL WALL MOUNT:**

- Optional, cast aluminum mounting plate attaches to a wall over a junction box and the speed mount is bolted to the cover plate. To complete the wiring, the luminaire assembly slides over the mounting plate.

**OPTIONAL FUSING:**

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**CAUTION**

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**CERTIFICATIONS AND LISTINGS**

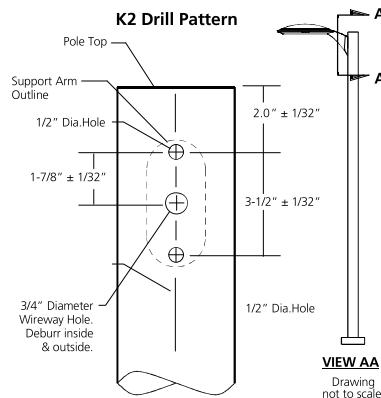
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- IDA approved, 3000K and warmer CCTs only.
- IEC 66262 Mechanical Impact Code IK08, IK10
- ANSI C136.31-2010 Vibration tested and compliant 1.5G and 4G reference page 6
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

**PRECOMMISSIONING SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928

Examples:  
 PA7R/FT/NU3/12L-020-3K7/42A/BLS/SWP/UNV/LR



[\(Specifications continued on page 4\)](#)

**Job Name:**

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 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:**

**AC3B**

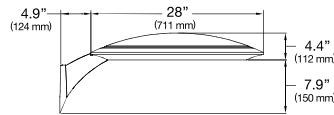
B22-559722

**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

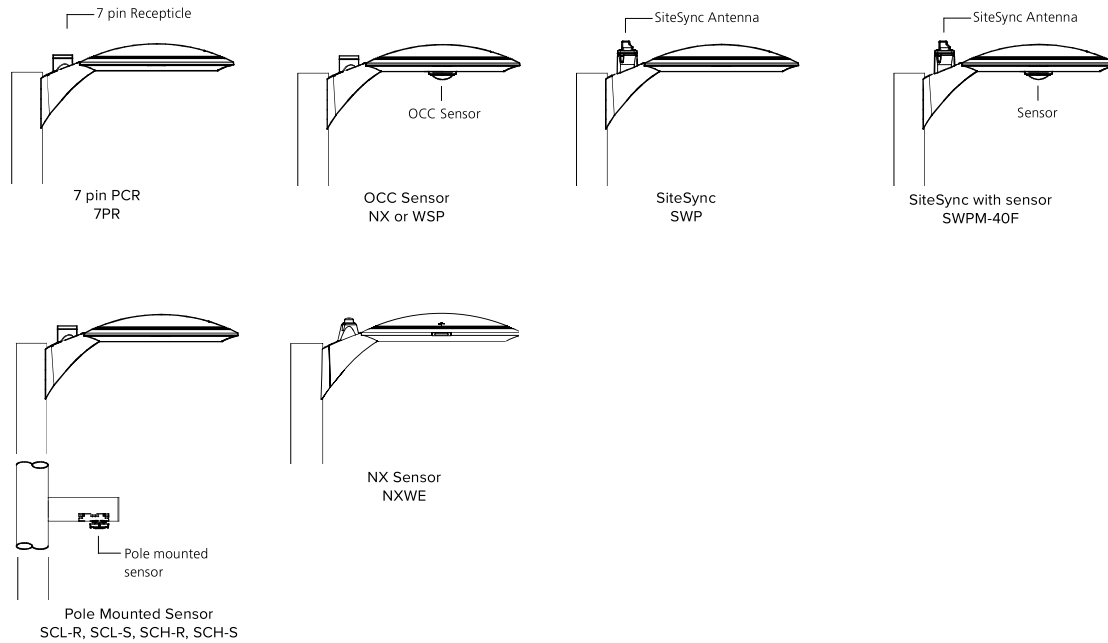
**DIMENSIONS**



Weight: 50 lbs EPA: 524

**SENSOR PLACEMENT**

5.2  
137 mm



**MOUNTING VIBRATION RATINGS**

UR 20 Arm		UR28 Arm		UR 20 Post Top		UR 28 Post Top	
Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating
ASQ	4G	ASQ	4G	FM33	4G	FM44	1.5G
A34	4G	A34	4G	FM44	1.5G	FM45	1.5G
A46	4G	A46	4G	PT23	4G	PT24	1.5G
MAF	4G	MAF	4G	PT24	4G	PT34	1.5G
				PT34	1.5G	PT25	1.5G
						PT35	1.5G

For the 4 G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Test Level 1 Normal Applications, Vibration Test Level 2 Bridge/Overpass Applications, and Vibration Test Level 3

For the 1.5G test, ANSI C136.31-2010 Vibration is tested to comply with Vibration Level 1 Bridge/Overpass Applications

[\(Specifications continued on page 4\)](#)

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UR28-96L-155-3K7-3-UNV-A34-DBS-

**Type:**



**UR28**

ARCHITECTURAL AREA/SITE

**DELIVERED LUMENS**

LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI										
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w				
							B	U	G			B	U	G			B	U	G					
96L	20,000	500mA	155	No lens	FR	20197	2	0	2	130	20705	2	0	2	134	20942	2	0	2	138				
					FR-BC	13112	1	0	1	85	13442	1	0	1	87	13595	1	0	1	89				
					2	19112	2	0	3	123	19593	2	0	3	126	19817	2	0	3	130				
					2-BC	11385	1	0	2	73	11672	1	0	2	75	11805	1	0	2	76				
					3	19331	2	0	4	125	19817	2	0	4	128	20044	2	0	4	132				
					3-BC	11591	1	0	2	75	11882	1	0	2	77	12018	1	0	2	78				
					4	19130	1	0	4	123	19611	1	0	4	127	19835	1	0	4	130				
					4-BC	14322	1	0	3	92	14682	1	0	3	95	14850	1	0	3	97				
					4W	19637	2	0	4	127	20131	3	0	4	130	20361	3	0	4	134				
					4W-BC	12578	1	0	3	81	12894	1	0	3	83	13042	1	0	3	86				
					5QM	19910	4	0	2	128	20411	4	0	2	132	20644	4	0	2	136				
					5QN	19685	4	0	0	127	20181	4	0	0	130	20411	4	0	0	134				
					5R	19933	4	0	4	129	20435	4	0	4	132	20668	4	0	4	136				
					5W	20182	5	0	3	130	20689	5	0	3	133	20926	5	0	3	138				
					114L	430mA	160	HDL lens	FR	19187	2	0	2	124	19670	2	0	2	127	19895	2	0	2	130
									FR-BC	12456	0	0	1	80	12769	0	0	1	82	12915	0	0	1	83
									2	18156	2	0	3	117	18613	2	0	3	120	18826	2	0	3	123
									2-BC	10816	1	0	2	70	11088	1	0	2	72	11215	1	0	2	72
3	18364	2	0	3					118	18826	2	0	3	121	19041	2	0	3	124					
3-BC	10873	1	0	2					70	11147	1	0	2	72	11274	1	0	2	73					
4	18173	1	0	4					117	18630	1	0	4	120	18843	1	0	4	123					
4-BC	13606	1	0	3					88	13948	1	0	2	90	14108	1	0	2	91					
4W	18655	2	0	4					120	19124	2	0	4	123	19342	2	0	4	126					
4W-BC	11949	1	0	3					77	12250	1	0	3	79	12390	1	0	3	80					
5QM	18914	4	0	2					122	19390	4	0	2	125	19612	4	0	2	128					
5QN	18701	4	0	0					121	19172	4	0	0	124	19391	4	0	0	127					
5R	18937	4	0	4					122	19413	4	0	4	125	19635	4	0	4	128					
5W	19173	5	0	3					124	19655	5	0	3	127	19880	5	0	3	130					
3	17717	3	0	3					111	18162	3	0	3	114	18370	3	0	3	116					
5W	18962	4	0	2					119	18345	4	0	2	115	18555	4	0	2	117					

Scaling factors 27K8 = 0.859, 35K8 = 0.906 of 5K7 lumen packages

(Specifications continued on page 4)

**Job Name:**

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 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:**

**AC3B**

B22-559722

**KIMLIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

UR28-96L-315-4K7-FR

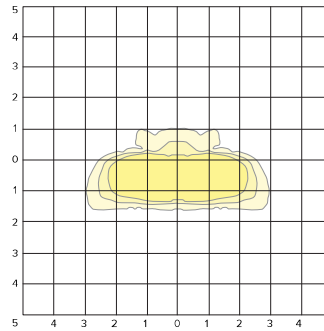
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	36184
Watts	315
Efficacy	114.9
IES Type	I
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	32749	90.5%
Downward House Side	3436	9.5%
Downward Total	36184	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	36184	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-2

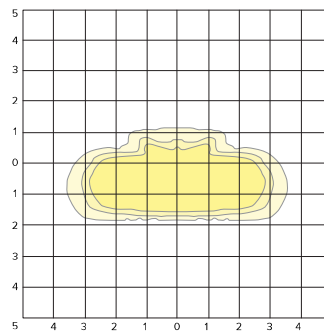
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34239
Watts	315
Efficacy	108.7
IES Type	II
BUG Rating	B3-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	29085	84.9%
Downward House Side	5154	15.1%
Downward Total	34239	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34239	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-3

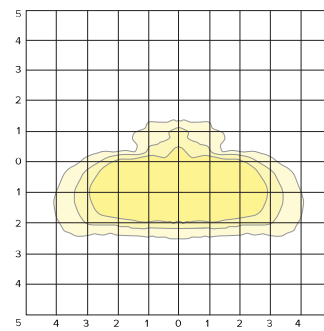
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	34632
Watts	313.97
Efficacy	110.3
IES Type	III
BUG Rating	B3-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	30450	87.9%
Downward House Side	4182	12.1%
Downward Total	34632	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34632	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)



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**Catalog Number:**

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Notes:

**Type:**

**AC3B**

B22-559722

**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

UR28-96L-315-4K7-4

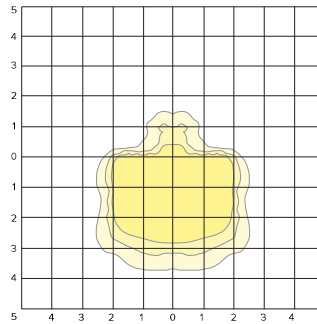
**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>34272</b>
Watts	<b>315</b>
Efficacy	<b>108.8</b>
IES Type	<b>IV</b>
BUG Rating	<b>B2-U0-G5</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	31437	91.7%
Downward House Side	2835	8.3%
Downward Total	34272	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34272	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-4W

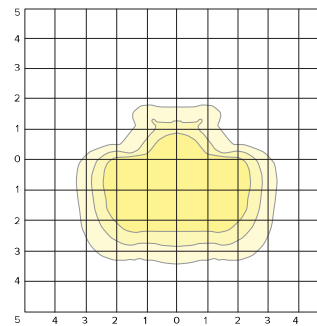
**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>35181</b>
Watts	<b>315</b>
Efficacy	<b>111.7</b>
IES Type	<b>IV</b>
BUG Rating	<b>B3-U0-G5</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	29338	83.4%
Downward House Side	5843	16.6%
Downward Total	35181	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35181	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-5QM

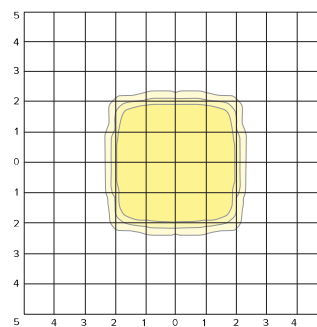
**LUMINAIRE DATA**

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>35669</b>
Watts	<b>315</b>
Efficacy	<b>113.2</b>
IES Type	<b>VS</b>
BUG Rating	<b>B5-U0-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17835	50.0%
Downward House Side	17835	50.0%
Downward Total	35669	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35669	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:**

**AC3B**

B22-559722

**KIMLIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

**PHOTOMETRY**

UR28-96L-315-4K7-5QN

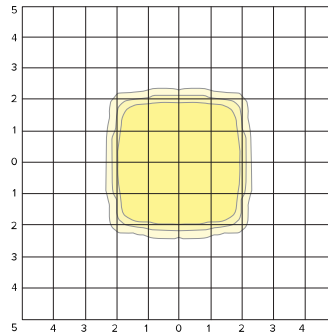
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35267
Watts	315
Efficacy	112.0
IES Type	VS
BUG Rating	B5-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17634	50.0%
Downward House Side	17634	50.0%
Downward Total	35267	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35267	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-5R

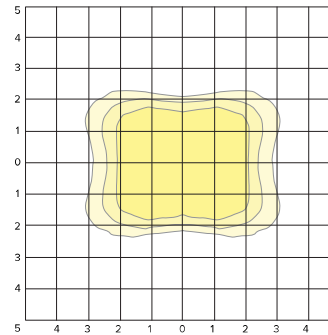
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	35712
Watts	315
Efficacy	113.4
IES Type	III
BUG Rating	B5-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	17856	50.0%
Downward House Side	17856	50.0%
Downward Total	35712	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	35712	100%

**ISOFOOT CANDLE PLOT**



UR28-96L-315-4K7-5W

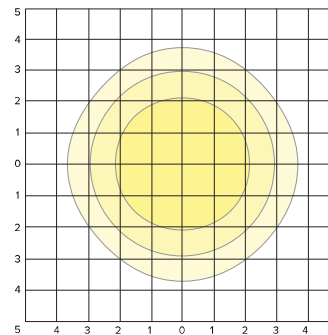
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	36157
Watts	315
Efficacy	114.8
IES Type	VS
BUG Rating	B5-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	18079	50.0%
Downward House Side	18079	50.0%
Downward Total	36157	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	36157	100%

**ISOFOOT CANDLE PLOT**



(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

UR28-96L-155-3K7-3-UNV-A34-DBS-BC

Notes:

**Type:**

**AC3B**

B22-559722

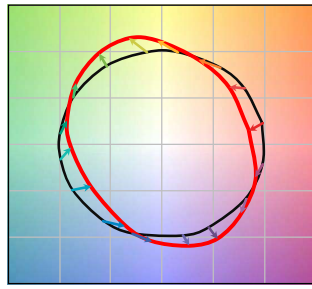
**KIM LIGHTING**

**UR28**

ARCHITECTURAL AREA/SITE

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

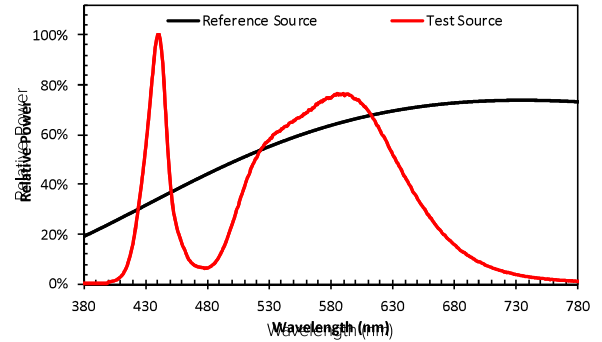


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>t</sub>	68
R <sub>s</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Drive Current	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming			
			VAC	Hz	120	208	240	277	347	480				Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
					Min	Max	Min	Max									
500 mA	96	155	120-480	50/60	1.29	0.75	0.65	0.56	0.45	0.32	>0.9	20	10% to 100%	0mA	1mA	0V	10V
430mA	114	160			1.33	0.77	0.67	0.58	0.46	0.33							
550 mA	96	170			1.42	0.82	0.71	0.61	0.49	0.35							
475mA	114	180			1.50	0.87	0.75	0.65	0.52	0.38							
600 mA	96	185			1.54	0.89	0.77	0.67	0.53	0.39							
700 mA	96	220			1.83	1.06	0.92	0.79	0.63	0.46							
800 mA	96	255			2.13	1.23	1.06	0.92	0.73	0.53							
690mA	114	265			2.21	1.27	1.10	0.96	0.76	0.55							
1000 mA	96	315			2.63	1.51	1.31	1.14	0.91	0.66							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	95%	93%	87%	60khrs

CRI Lumen Multiplier				
CCT	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	—	—	—
2700K	—	—	0.859	—
3000K	—	1	0.9119	0.7033
3500K	—	—	0.906	—
4000K	—	1	0.8941	0.734
5000K	—	1	0.879	0.7712

(Specifications continued on page 4)

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**

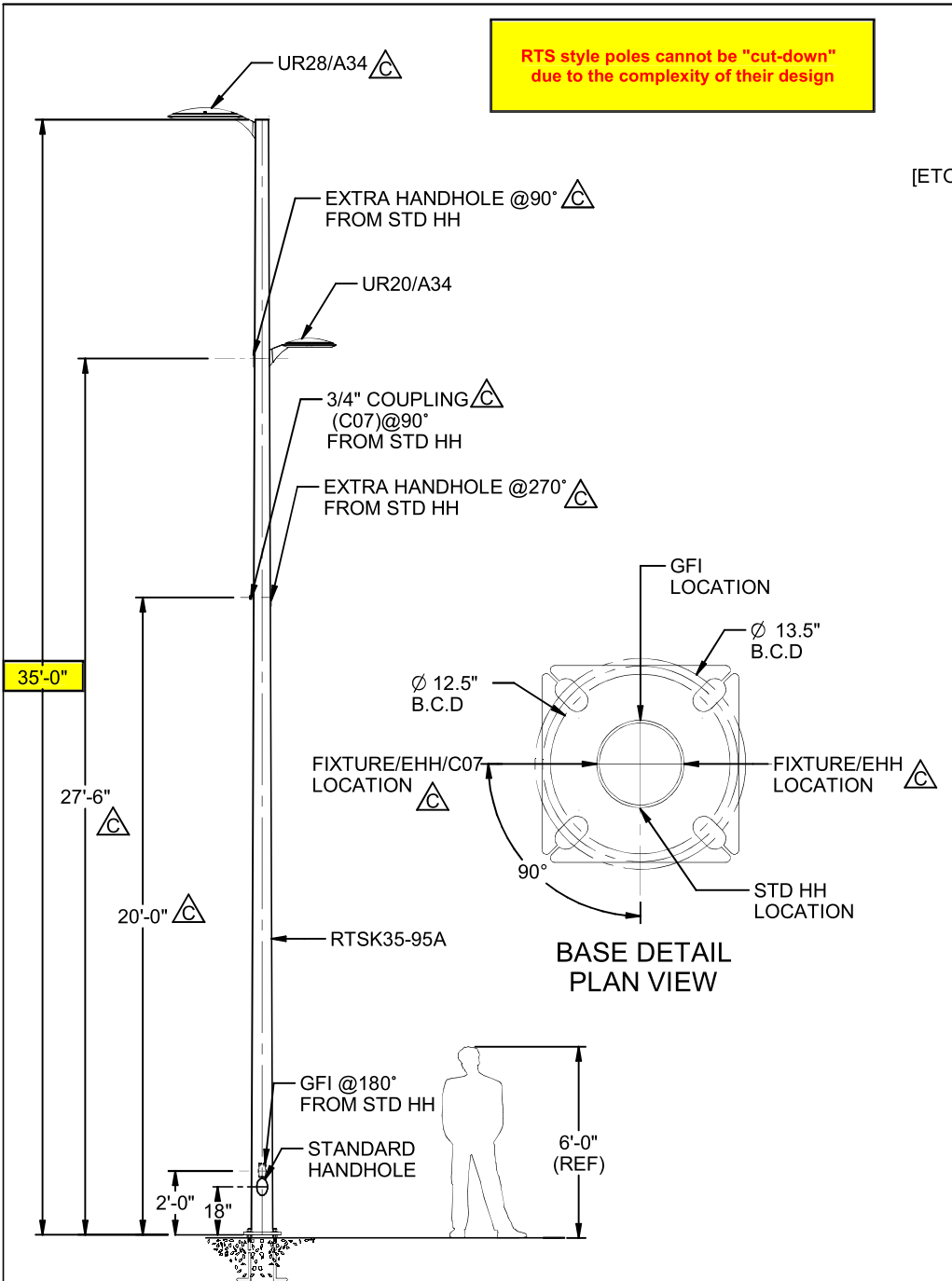
22K-0053C-RTSK35-95A-1-K2-DBS-MOD  
 GF1180-02-EHH270-20-C07-90-20-EHH90-27.5

Notes:

**Type:**

**AC3P**

B22-559722



TYPE	AC3P
CATALOG NUMBER	UR20/A34 UR28/A34
[ETO]	RTSK35-95A-1-K2-BLS-MOD GF1180-02-EHH270-20-C07-90-20-EHH90-27.5
FINISH: POLYESTER POWDER COAT	
KIM COLOR:	BLS
TO MATCH:	
PROVIDE A SAMPLE COLOR CHIP	
LIGHT ENGINE	SPECIFY
DRIVE CURRENT or WATTAGE	SPECIFY
VOLTAGE	SPECIFY
REFER TO SPECIFICATION SHEET FOR ADDITIONAL ELECTRICAL CHARACTERISTICS AND PHOTOMETRIC DATA	
ANCHOR BOLTS	
QTY	4
SIZE	1" x 36" x 4"
BOLT CIRCLE	12.5" - 13.5"
PROJECTION	4.25"
LEVELING NUTS AND WASHERS MUST BE INSTALLED UNDER ALL BASES	
ONE APPROVED DRAWING MUST BE RETURNED TO KIM BEFORE THIS PRODUCT CAN BE FABRICATED	
WARNING: THIS FIXTURE MUST BE GROUNDED IN ACCORDANCE WITH LOCAL CODES OR THE NATIONAL ELECTRICAL CODE. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY.	
* KIM LIGHTING ASSUMES NO RESPONSIBILITY OF HARM CAUSED BY FAILURES DUE TO IMPROPER SITE ANALYSIS OR USAGE OF PRODUCTS OTHER THAN THEIR INTENDED PURPOSE AS SHOWN IN THIS DOCUMENT.	

SOLD TO:

PO#

JOB NAME:

WEST COUNTY TRANSPORTATION 367 WEST ROBLES



**Hubbell Lighting, Inc.**

CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

X \_\_\_\_\_



**KIM LIGHTING**

17760 Rowland St.  
 City of Industry, CA 91748  
 (626)968-5666

KIM Lighting Reserves The Right To Change Manufacturing Processes Without Notice.

**22K-0053**

DATE	DRWN
04/13/2022	PK
DATE	APPRVD
04/13/2022	AUG
DATE	REV.
06/07/2022	C

**Job Name:**

West County Transportation 367 West Robles - Kim Lighting - Updated 7.1.2022  
 Architect: Glass Architects (Santa Rosa)  
 Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

**Catalog Number:**  
 REPL-KIM/DR-GFCI

Notes:

**Type:**

**POLES**

B22-559722

**REEL ACCESSORIES**



**OUTLETS and LIGHTS**



HUBBELL® Brand

**Model FL-120**

Fluorescent Hand Lamp Includes: Protected switch, Cushioned End Cap, Polycarbonate Outer Tube and End Lens, Directed Light (from one side plus magnified from end), Integral Ballast, 13 watt, 900 lumen PLS-13 Lamp (included).

*Fluorescent Hand Lamp only; does not include reel.*



**Model EHL-120**

Hand Lamp Includes: Plastic Grip, Switch, Metal Guard/Reflector, Receptacle

*Hand Lamp only; does not include reel.*



**Model LED-120-A**

LED Lamp Includes: Cushioned Hand Cap with Internal Ballast, Covered ON/OFF Switch in Handle, Clear Polycarbonate Lens with Reflector Label and Cushioned Outer Ring, Produces 920 Lumens, 1/2 Watt LED's rated @ 50,000 hours, One-watt LED flashlight at the end of the fixture, 120 Volt, 0.65 Amps, 50-60 Hz.

*LED Lamp only; does not include reel.*



HUBBELL® Brand

**Model DR-GFCI**

High Impact Plastic Box with Hinged Cover, NEMA 3R 20 Amp Receptacle, Cord Grip, 20 Amp Ground Fault Module, Gasketed Cover Plates

*Duplex Receptacle only; does not include reel.*



HUBBELL® Brand

**Model SR-15A**

Single Outlet, 15 Amp

*Receptacle only; does not include reel.*



HUBBELL® Brand

**Model SR-20A**

Single Outlet, 20 Amp

*Receptacle only; does not include reel.*

