

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 - Updated7.1.2022

Quote# B22-559722 Location Santa Rosa CA

To Independent Elec - Santa Rosa

460 Tesconi Circle Santa Rosa CA 95401 Contact: Kirk Smartt

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☐ Pri 図 Ap Π Ap	E ARE TRAN or Approval proval proval as Su proval as No		R: Resubmittal for Approval Corrections Side Submittal for Approval Corrections Side Submittal for Approval Bids due on: Other: Review and Comment
	Туре	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

FF00009 Page 1/2

Date: Jul 1, 2022
LIGHTING
SYSTEMS

Transmittal

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

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.

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LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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

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











7

Ouro Post Top

RELATED PRODUCTS







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.

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)

Gray Wire
0-10V Dimming
White Wire
Neutral
Brown Wire
10V Customer
Defined
Red Wire
Line Voltage

Black Wire
Line Voltage

Purple Wire
0-10V Dimming

Orange Wire
10V Customer
Defined

Defined

(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

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



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

Type:

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	No Lens or Clear Lens	AM ^{ff} Amber, 595nm	No Lens or Clear Lens	(Blank) Blank for no rotation	UNV 120-277V		
	24L-25 3,000 lm	27K8 2700K, 80 CRI	FR Type 1/Front Row		347 347V		
	24L-65 7,000 lm	3K7 3000K, 70 CRI	2 Type II	L¹ Optic rotation left	480 480V		
	56L-75 10,000 lm	3K8 3000K, 80 CRI	3 Type III	R ¹ Optic rotation right	DALI 120-277V		
	56L-110 15,000 lm	35K8 3500K, 80 CRI	4 Type IV		Consult factory		
	56L-140 17,000 lm	3K9 3000K, 90 CRI	4W Type IV Wide				
	HDL - High Diffusion Lens	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	5W Type V Wide (Round)				
	68L-115 13,000 lm	CCTs and CRIs	HDL - High Diffusion Lens				
	68L-150 15,000 lm		3 Type III/Asymmetric				
			5W Type V/Symmetric				

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

- Not available with 5QM, 5QN, and 5W distributions.
 Not available with other sensor or wireless control options.
 Specify group and zone at time of order. See
 www.hubbeilighting.com/sitesyne for more details. Order at least
 one SiteSyne interface accessory SWUSB or SWTAB. Each option
 contains SiteSyne" license, GUI, and Bridge Node.

 Not available with 347V and 480V.
 24L and 56L only
 Not available with HDL option.
 Consult factory for custom color, marine and corrosive finish
 options.
 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
 or Microsoft Corporation in the United States and/or other countries.
 Not available with 24L-65 and the 56L-140 configuration of the
 LED Engle. Consult factory for details
 1 KIO rated. Consult factory for details
 14 Pole requires 2-3/8"x 4" Long tenon
 Not available with Solo Arm Post Top (FMSA/PTSA)
 16 Order one for each pair of fixtures per pole.

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AA1

B22-559722

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DATE:

LOCATION:

TYPE:

CATALOG #:

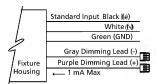
PROJECT:

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 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.hubbelllighting.com/products/sitesync for more details.

NX DISTRIBUTED INTELIGENCE™

 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-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY

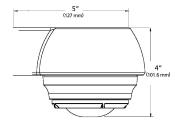
Sensor up to 30'. Select voltage and finish color.

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/277²/BL³

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 <u>HLI Standard Warranty</u> 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 inference schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hlubbelli.ghting.com/products/sitesync or contact Hubbell Lighting tech support at (800) 345-3928

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

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Catalog Number:

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

Type:

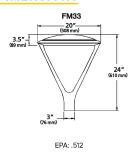
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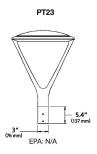
KIMLIGHTING

UR20

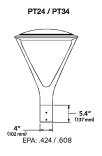
ARCHITECTURAL AREA/SITE

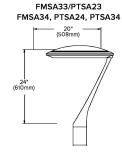
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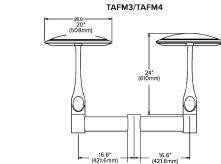






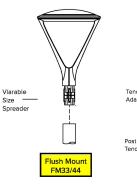


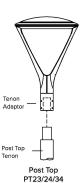


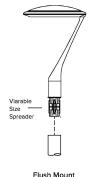


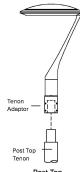


MOUNTING INSTALLATION









Flush Mount FMSA33/34

Post Top PTSA23/24/34









MOUNTING VIBRATION RATINGS

UR 20	Arm	UR28 Arm		UR 20 P	ost Top	UR 28 P	ost Top	UR 20 Solo Arm		
Ordering Code	<u>Rating</u>	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	Rating	Ordering Code	<u>Rating</u>	
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	
	Ordering Code ASQ A34 A46	Code ASQ 4G A34 4G A46 4G	Ordering Code Rating Code Ordering Code ASQ 4G ASQ A34 4G A34 A46 4G A46	Ordering Code Rating Code Ordering Code Rating ASQ Pating ASQ ASQ 4G ASQ 4G A34 4G A34 4G A46 4G A46 4G	Ordering Code Rating Code Ordering Code Rating Code Ordering Code ASQ 4G FM33 A34 4G A34 4G FM44 A46 4G A46 4G PT23 MAF 4G MAF 4G PT24	Ordering Code Rating Code Ordering Code Rating Code Ordering Code Rating Code ASQ 4G FM33 4G A34 4G A34 4G FM44 1.5G A46 4G A46 4G PT23 4G MAF 4G MAF 4G PT24 4G	Ordering Code Rating Code Ordering Code Rating Code Ordering Code Rating Code Ordering Code Ordering Code Ordering Code Code M44 FM44 FM44 1.5G FM45 FM45 FM45 FM46 A46 4G PT23 4G PT24 PT34 MAF 4G MAF 4G PT24 4G PT34	Ordering Code Rating Code Code Code 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	Ordering Code Rating Code Ordering Code Code	

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

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AA1

B22-559722

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS

						3	3000	K 70	OCRI			4000	K 70	CRI		į	5000	K 70	CRI	
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		lm/w	Lumen		BUG Rating		lm/w	Lumen		BUG Ratin		lm/w
							В	U	G			В	U	G			В	U	G	
					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
				No lens	4	3056	0	0	1	120	3251	0	0	1	128	3229	0	0	1	129
				No lens	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
24L		298mA	25		5W	3043	2	0	1	120	3237	2	0	1	127	3216	2	0	1	129
24L	3.000	298IIIA	25		FR	2773	0	0	1	109	2951	0	0	1	116	2930	0	0	1	117
	3,000				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
				Class lass	4	2891	0	0	1	113	3076	0	0	1	120	3055	0	0	1	122
				Clear lens	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
28L		200m A	30	HDL lens	3	2816	1	0	1	96	2997	1	0	1	102	3020	1	0	1	101
ZÖL		298mA	30	HDL IENS	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





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

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

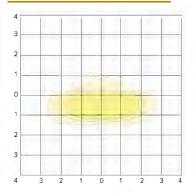
LUMINAIRE DATA

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

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%		

ISOFOOT CANDLE PLOT



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

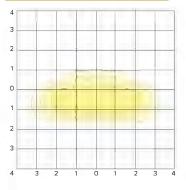
LUMINAIRE DATA

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

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%		

ISOFOOT CANDLE PLOT



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

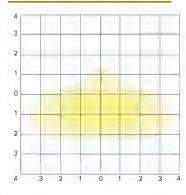
LUMINAIRE DATA

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

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%

ISOFOOT CANDLE PLOT



Page 10/13 Rev. 02/11/22 UR20 Post Top $@\ 2022\ Kim\ Lighting,\ a\ division\ of\ Hubbell\ Lighting,\ Inc.\ Specifications\ subject\ to\ change\ without\ notice.$





West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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

322-559722

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

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

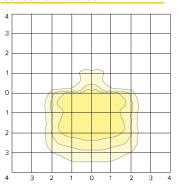
LUMINAIRE DATA

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

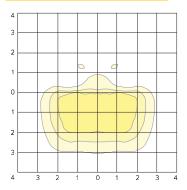
LUMINAIRE DATA

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<mark>-5QM-</mark>PT

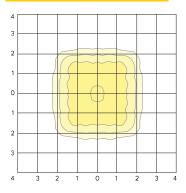
LUMINAIRE DATA

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



Page 11/13 Rev. 02/11/22 UR20 Post Top $@\ 2022\ Kim\ Lighting,\ a\ division\ of\ Hubbell\ Lighting,\ Inc.\ Specifications\ subject\ to\ change\ without\ notice.$





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

322-559722

KIMLIGHTING

DATE:

LOCATION:

TYPE:

PROJECT:

UR20 ARCHITECTURAL AREA/SITE

CATALOG #:

PHOTOMETRY

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

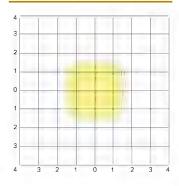
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	16813
Watts	140
Efficacy	120.1
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	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

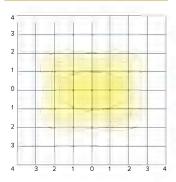
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	16990
Watts	140
Efficacy	121.4
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	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

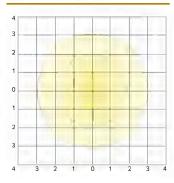
LUMINAIRE DATA

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

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



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LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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 Type:

AA1

B22-559722

KIMLIGHTING

UR20 ARCHITECTURAL AREA/SITE DATE:

LOCATION:

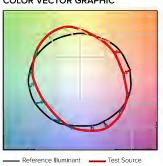
TYPE:

PROJECT:

CATALOG #:

TM-30 DATA

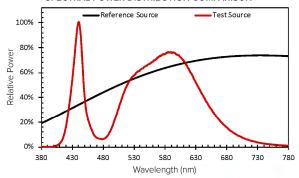
COLOR VECTOR GRAPHIC



TEST SOURCE

68	
99	
3947	
0.0004	
0.3831	
0.3793	
72	

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

													Dimming					
Drive	LED	System	Line V	oltage			Amp	s AC			Min. Power	Max	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+		
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor	THD (%)	3 3	Min	Max	Min	Max	
298mA	24	25			0.21	0.12	0.10	0.09	0.07	0.05								
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	120-480	50/60	0.63	0.36	0.31	0.27	0.22	0.16	>0.9	20	10% to 100%	OmA	1mA	OV	10V	
350mA	68	80	120-460	30/60	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-2	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 M	ultiplier	
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

LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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 Type:

AA1

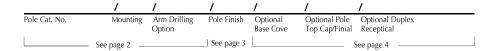
322-559722

HAS

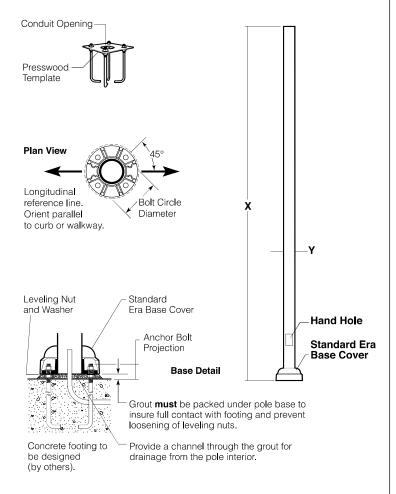


Era® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl_has_spec.pdf



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) $\mathbf{HF2}$ 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.



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Catalog Number:

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

Type:

HAS

Era® Round Aluminum Non-Tapered Pole revision 3/31/21 • kl_has_spec.pdf

KIMLIGHTING®

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 Pole				Allov	wable P	ole EP	A	W	/ind Ma _l Steady	p
	Catalog	X	Υ							Wind	\
П	Number	^	•	85	90	100	110	120	130	140	150
	☐ HAS10-4188	10'	4" x .188	16.55	14.56	13.26	10.64	8.65	7.17	6.10	5.25
	HAS12-4188	12'	4" x .188	13.12	11.46	10.38	8.19	6.53	5.33	4.50	3.84
	HAS14-4188	14'	4" x .188	10.56	9.14	8.21	6.34	4.92	3.91	3.26	2.74
	☐ HAS16-4188	16	4" x .188	8.56	7.31	6.50	4.86	3.62	2.76	2.25	1.85
	HAS10-5188	10'	5" x .188	27.26	24.07	21.97	18.01	15.02	12.71	10.88	9.42
	HAS12-5188	12'	5" x .188	21.18	19.22	17.47	14.26	11.85	9.99	8.52	7.35
	HAS14-5188	14'	5" x .188	17.90	15.62	14.12	11.46	9.48	7.95	6.75	5.79
	☐ HAS16-5188	16'	5" x .188	14.80	12.81	11.50	9.26	7.61	6.34	5.34	4.55
	HAS20-5188	19.5'	5" x .188	9.83	8.29	7.28	5.73	4.60	3.75	3.09	2.56
	☐ HAS10-6188	10'	6" x .188	40.66	36.17	33.42	27.49	23.00	19.51	16.75	14.53
	☐ HAS12-6188	12'	6" x .188	32.89	29.22	27.04	22.20	18.53	15.69	13.44	11.64
	☐ HAS14-6188	14'	6" x .188	27.19	24.11	22.37	18.31	15.24	12.87	11.00	9.49
	☐ HAS16-6188	16'	6" x .188	22.77	20.16	18.75	15.29	12.69	10.68	9.09	7.82
	☐ HAS20-6188	19.5'	6" x .188	15.69	13.81	12.95	10.46	8.59	7.16	6.03	5.14
	☐ HAS25-6188	25'	6" x .188	9.74	8.46	8.07	6.38	5.12	4.17	3.43	2.85
	☐ HAS25-6250	25'	6" x .250	16.92	14.86	13.96	11.25	9.22	7.66	6.44	5.47
V	☐ HAS30-6188	30'	6" x .188	5.61	4.74	4.69	3.54	2.71	2.08	1.60	1.23
	☐ HAS30-6250	30'	6" x .250	11.37	9.88	9.42	7.45	5.99	4.88	4.02	3.34
	☐ HAS30-6400¹	30'	6" x .400	20.33	17.87	16.78	13.53	11.10	9.23	7.77	6.61
Hand	¹ Pole reinforced,	to 40"	above base, t	o .400",	remaini	ng sectic	on is .25	0"			
	Anchor Base	and B	olt Detail								
Std Era	Pole P	ole	Bolt Circle		chor Bolt	Anche Bolts		Base Co	over	Condu	it

Pole Height	Pole Diameter	Bolt Circle DIA	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
10'-16'	4"	8½"	3¾" 3	4" x 15" + 3"	11" dia	3" dia
10'-14'	5"	81/2"	3¾" 3	4" x 15" + 3"	11 7/8" dia	3" dia
16'-20'	5"	81/2"	3¾" 3	4" x 30" + 4"	11 7/8" dia	3" dia
10'-30'	6"	10½"	3C" 3	4" x 30" + 4"	14" dia	5" dia
				Cida A.		

Mounting	Flush Mount	e Arm —									
	Plan Views:	•	•••	10	•		•				
	Mounting: FM	□A□SA	□В□SВ	□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	s in specific Ki	m luminaire o	catalog.						
	☐ HA02S ☐ HA02L ☐ HA11S ☐ HA11L ☐ HA12S ☐ HA12L ☐ HA13S ☐ HA13L	☐ HA31S	6	☐ HA35S ☐ HA36S	☐ HA34L☐ HA35L☐ HA36L☐ HA37L	□ HA38S □ NO OPT					

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Catalog Number:

UR20-24L-25-3K7-5QM-UNV-FM44-DBS / HAS12-4188-URF-FM-DBS-SBC-ABT Type: AA1

322-559722

HAS Era® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl_has_spec.pdf

KIMLIGHTING®

Standard Features

Finish Cat. No.: Color: Cat. No.: Color: Super TGIC powder ☐ LGT Black Gloss Smooth Light Grey Matte Textured coat paint over a titanated ☐ PSS Black Matte Textured Platinum Silver Gloss Smooth zirconium conversion DBS Dark Bronze Gloss Smooth □ VGT Verde Green Matte Textured coating. □ DBT Dark Bronze Matte Textured ■ WHS White Gloss Smooth Graphic Matte Textured White Matte Textured Light Grey Gloss Smooth Custom Color Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: Standard Era® The standard Era Base Cover is a heavy and durable cast aluminum component, configured in **Base Cover** two halves for easy attachment after the pole is raised and set onto the anchor bolts. 4" O.D. Poles **5**" O.D. Poles **6**" O.D. Poles Standard Flat Pole Cap The standard Flat Pole Cap is cast aluminum, secured by a single top screw activating an internal expansion clip. 6" dia. **5**" O.D. Poles **6**" O.D. Poles



West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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 Type:

AA1

B22-559722

HAS

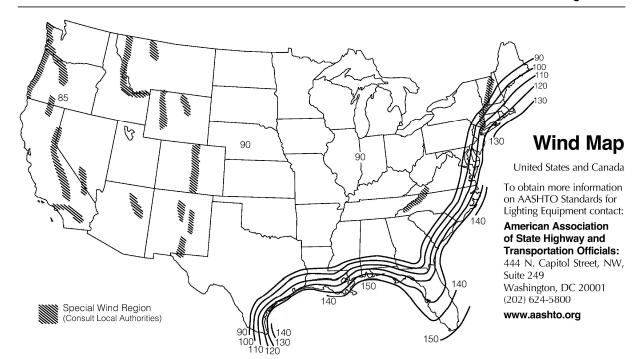
KIMLIGHTING®

Era® Round Aluminum Non-Tapered Pole

revision 3/31/21 • kl_has_spec.pdf

Type:

Job: Page: 5 of 5



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.

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5605908282

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Catalog Number:

DATE:

TYPF:

CATALOG #:

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:

LOCATION:

PROJECT:

Type:

AB₁

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











CONTROL TECHNOLOGY





RELATED PRODUCTS

8 Ouro Small Post Top 9 Ouro Large Post Top Ouro Large Arm Mount

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

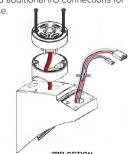
7PR

 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.



(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

¹Clear Polycarbonate Lens (CP) IK10, Standard Iens (CLR) IK08, Consult factory for details

Page 1/14 Rev. 06/07/21 UR20 Arm Mounted © 2021 Kim Lighting, a division of Hubbell Lighting, Inc. Specifications subject to change without notice. 701 Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.kimlighting.com



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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

DATE:

LOCATION:

TYPE:

PROJECT:

UR20 ARCHITECTURAL AREA/SITE

CATALOG #:

ORDERING GUIDE

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

CATALOG #

HOUSING

UR20					
Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
UR20 Ouro	No Lens or Clear Lens 24L-25 3,000 lm 24L-65 7,000 lm 56L-75 10,000 lm 56L-110 15,000 lm 56L-140 17,000 lm HDL - High Diffusion Lens 28L-30 3,000 lm 28L-70 7,000 lm 68L-80 9,000 lm 68L-115 13,000 lm	AM ¹¹ Amber, 595nm 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI Consult factory for other CCTs and CRIs	No Lens or Clear Lens FR Type I/Front Row 2 Type II 3 Type III 4 Type IV 4W Type IV Wide 5QM Type V Square Medium 5QN Type V Square Narrow 5R Type V Rectangular 5W Type V Wide (Round) HDL - High Diffusion Lens 3 Type III/Asymmetric 5W Type V/Symmetric	(Blank) Blank for no rotation L¹ Optic rotation left R¹ Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V 'Consult factory

						-			
Mountin	g	Fixture	e Finish	Control Options		Options		Control Acce	essories
ASQ	Arm Square pole	BLS	Black Gloss Smooth	7PR-TL	7 pin PCR with twist lock	BC ⁶	Back-light	SW7PR 2,3	SiteSync™ with 7 pir
A34	Arm mt 3.3-4.2" OD pole	BLT	Black Matte Textured		photocontrol		Control	CMITCD	PCR
A46	Arm mt 4.5-6.0" OD pole	DBS	Dark Bronze Gloss	7PR-SC	7 pin PCR with shorting cap	SF DF	Single Fuse Double Fuse	SWUSB	SiteSync™ Softwar on USB
MAF	Horizontal Slip Fitter 2	DDT	Smooth	7PR	7 pin PCR, wireless control enabled	ТВ	Terminal Block	SWTAB 10	SiteSync™ Windov
CVCE	3/8" OD arm	DBT	Dark Bronze Matte Textured	AD-01 ²		CLR 5,6,13	Clear Lens		Tablet
SVSF	Square Vertical Slipfitter for 2"Tenon (2-3/8"OD)	GTT	Graphite Matte	AD-01-	AstroDIM: 50% output at midnight	TPL	Tamper proof	SWBRG	SiteSync™ Wireles
VSF	Round Vertical Slipfitter		Textured	AD-02 ²	AstroDIM: 50% output		latch	WIR-RME-L	Bridge Node wiSCAPE™ Externa
	for 2"Tenon (2-3/8"OD)	LGS	Light Grey Gloss		midnight to 4 AM	CP 12	Clear	WIK-RIVIE-L	Fixture Module
WB	Wall Bracket		Smooth	AD-03 ²	AstroDIM: 50% output 10PM		Polycarbonate Lens	SCH-R	Occ. Sensor for
		LGT	Light Grey Matte Textured	AD-04 ²	AstroDIM: 50% output 10PM to 4AM		Lens		Round Pole (up to 30' MH)
		PSS	Platinum Silver Gloss Smooth	NXWE	NX Wireless Enabled			SCH-S	Occ. Sensor for Square Pole
		VGT	Verde Green Matte	SWP ^{2,3,4}	SiteSync™ Pre				(up to 30' MH)
		***	Textured		commission			NXOFM-	NX 7-pin Module
		WHS	White Gloss Smooth	SWPM-40F ^{2,3,4,5}				1R1D-UNV	
		WHT	White Matte Textured		40' MH				
		Color	Option	WSP-40F-1 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 120/277/347V				
		CC 7	Custom Color	WSP-40F-2 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 208/240V				
				WSP-40F-3 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 480V				
				NXSPW14F 2,5	NX Wireless, PIR Sensor, 14'				
				NXSPW30F 2,5	NX Wireless, PIR Occupancy				
					Sensor,				
					Dimming Daylight Harvesting, 30'.				
				NXSP14F 2,5	NX, PIR Occupancy				
					Sensor, Dimming Daylight				
				NXSP30F ^{2,5}	Harvesting, 14' NX, PIR Occupancy				
				NASPSUP	Sensor, Dimming Daylight Harvesting, 30'				
			:	Not available with a Specify group and www.hubbelllightin least one SiteSync or SWTAB. Each op Bridge Node 4 Not available with 1 24L and 56L only Not available with 1 36 Not available with 1 36 Not available with 1 37 Not available with 1 38 Not		10 der at JI, and 11 12 13	trademarks or trade of Microsoft Corpora countries.	MSN, and Window marks ation in the United 4L-65 and the 56 actory for details	n Page 5 for lumen s are either registered I States and/or other L-140 configuration of

Page 2/14 Rev. 06/07/21 **UR20 Arm Mounted**

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AB₁

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KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DATE:

CATALOG #:

LOCATION:

TYPE:

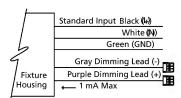
PROJECT:

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 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.hubbelllighting.com/ products/sitesync for more details.

NX DISTRIBUTED INTELIGENCE™

 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-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY

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

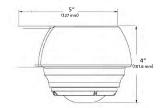
SCH-S

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/2772/BL3

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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AB₁

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KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

SPECIFICATIONS (CONTINUED)

MOUNTING

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

SUPPORT ARM:

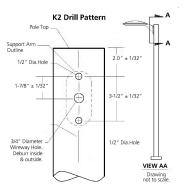
- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in 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 quickdisconnect 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 <u>HLI Standard Warranty</u> for additional information

PRECOMMISSIONED SITESYNC ORDERING INFORMATION. When ordering a fixture with the SteSync lighting control option, additional information will be required to complete the order. The SitesSync 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.Hubbelli.ghting.com/products/sitesync or contact Hubbell Lighting 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

Page 4/14 Rev. 06/07/21 UR20 Arm Mounted

Submitted On: Apr 5, 2022

* HUBBELL Lighting

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Type:

AB1

B22-559722

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DATE:

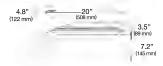
LOCATION:

TYPE:

PROJECT:

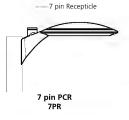
CATALOG #:

DIMENSIONS



Weight: 32 lbs EPA: .372

SENSOR PLACEMENT













SCL-R, SCL-S, SCH-R, SCH-S

MOUNTING VIBRATION RATINGS

UR 20 Ar	m	UR28 Ar	m	UR 20 Post	Тор	UR 28 Post	Тор
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

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KIMLIGHTING

DATE:

LOCATION:

TYPE:

PROJECT:

UR20

CATALOG #:

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS (CONTINUED)

						3	3000	K 70	OCRI			4000)K 70	OCRI		į	5000)K 70	CRI	
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		lm/w	Lumen		BUG Ratin		lm/w	Lumen		BUG Ratin		lm/w
							В	U	G			В	U	G			В	U	G	
					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
			1	No lens	4	13878	1	0	3	128	14768	1	0	3	136	14667	1	0	3	135
				Noteris	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
ECI		C00ma A	110		5W	14120	4	0	2	130	15025	4	0	2	138	14922	4	0	2	138
56L	15.000	600mA	110		FR	14230	1	0	1	132	15142	1	0	2	140	15038	1	0	2	139
	15,000				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
				-11	4	13131	1	0	3	121	13972	1	0	3	129	13876	1	0	3	128
				clear lens	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
			1		5W	13359	4	0	2	124	14215	4	0	2	132	14118	4	0	2	131
601		E00 4	145	LIDILI	3	12410	3	0	2	109	13206	3	0	3	116	13115	3	0	3	116
68L		500mA	115	HDL lens	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



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KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR20-56L-140-4K7-FR

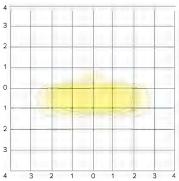
LUMINAIRE DATA

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

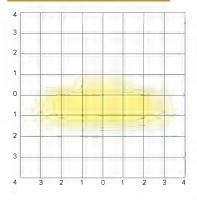
LUMINAIRE DATA

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

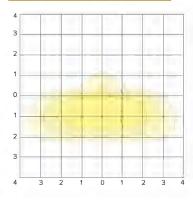
LUMINAIRE DATA

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



Page 11/14 Rev. 06/07/21 **UR20 Arm Mounted**



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

B22-559722

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR20-56L-140-4K7-4

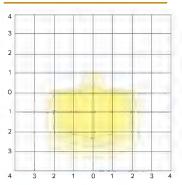
LUMINAIRE DATA

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

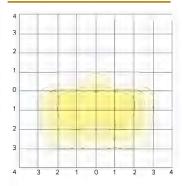
LUMINAIRE DATA

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

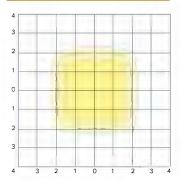
LUMINAIRE DATA

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



Page 12/14 Rev. 06/07/21 **UR20 Arm Mounted**







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

B22-559722

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

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

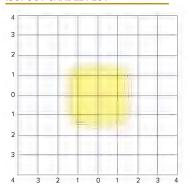
LUMINAIRE DATA

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

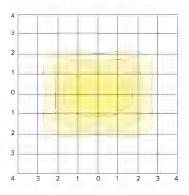
LUMINAIRE DATA

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

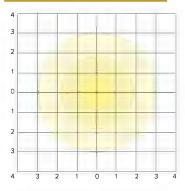
LUMINAIRE DATA

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



Page 13/14 Rev. 06/07/21 **UR20 Arm Mounted**





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

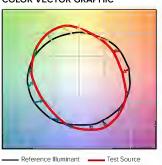
TYPE:

PROJECT:

CATALOG #:

TM-30 DATA

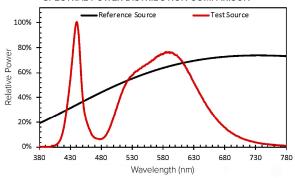
COLOR VECTOR GRAPHIC



TEST SOURCE

Rf	68
Rg	99
CCT(K)	3947
Duv	0.0004
х	0.3831
у	0.3793
CIE Ra	72

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

														Di	mming																							
	System	111	Line Voltage		Amps AC			Min. Power	Max	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)																									
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor	THD (%)	3 3	Min	Max	Min	Max																					
298mA	24	25			0.21	0.12	0.10	0.09	0.07	0.05																												
298mA	28	30	-120-480	- - - - 120-480	5 0 120-480		0.25	0.14	0.13	0.11	0.09	0.06																										
800mA	24	65				120-480	- 120-480	- 120-480	120-480		0.54	0.31	0.27	0.23	0.19	0.14																						
700mA	28	70								120-480	120-480	120-480	120-480	120-480	-120-480	-120-480	120-480	120-480	120-480	120-480	120-480	120-480	120-480 5			0.58	0.34	0.29	0.25	0.20	0.15							
420mA	56	75																						50/60	0.63	0.36	0.31	0.27	0.22	0.16	>0.9	20	10% to 100%	OmA	1mA	OV	10V	
350mA	68	80																						30/60	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

LIGHTING SYSTEMS

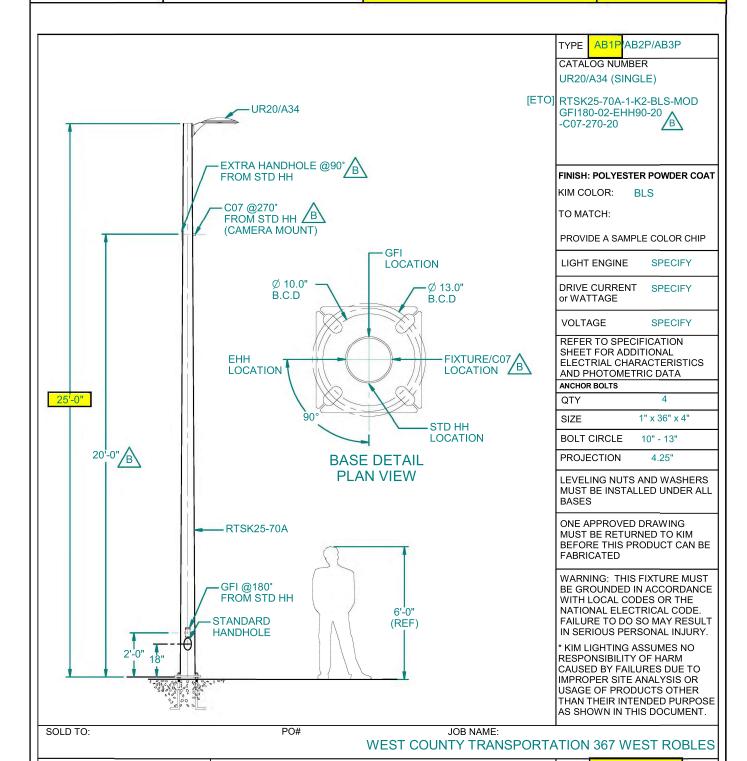
Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

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

West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

Catalog Number:

DATE:

TYPF:

CATALOG #:

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:

LOCATION:

PROJECT:

Type:

AB₂

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





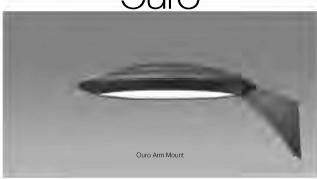












RELATED PRODUCTS

8 Ouro Small Post Top 9 Ouro Large Post Top 8 Ouro Large Arm Mount

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

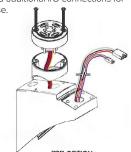
7PR

 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.



(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

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

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<u> 1/11</u>



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

DATE:

LOCATION:

TYPE:

PROJECT:

UR20 ARCHITECTURAL AREA/SITE

CATALOG #:

ORDERING GUIDE

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

CATALOG #

HOUSING

UR20					
Model LED Eng	ine (CCT/CRI	Distribution	Rotation	Voltage
24L-25 24L-65 56L-75 56L-110 56L-140	17,000 lm igh Diffusion Lens 3,000 lm 7,000 lm 9,000 lm 13,000 lm	AM" Amber, 595nm 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI Consult factory for other CCTs and CRIs	No Lens or Clear Lens	(Blank) Blank for no rotation L 1 Optic rotation left R 1 Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V 'Consult factory

Mountin	g	Fixtur	e Finish	Control Options		Options		Control Acce	essories
ASQ	Arm Square pole	BLS	Black Gloss Smooth	7PR-TL	7 pin PCR with twist lock	BC 6	Back-light	SW7PR ^{2,3}	SiteSync™ with 7 pin
34	Arm mt 3.3-4.2" OD pole	BLT	Black Matte Textured	700.00	photocontrol	SF	Control Single Fuse	SWUSB	PCR SiteSync™ Software
46	Arm mt 4.5-6.0" OD pole	DBS	Dark Bronze Gloss Smooth	7PR-SC 7PR	7 pin PCR with shorting cap 7 pin PCR, wireless control	DF	Double Fuse	30000	on USB
ИAF	Horizontal Slip Fitter 2 3/8" OD arm	DBT	Dark Bronze Matte	/FK	enabled	ТВ	Terminal Block	SWTAB 10	SiteSync™ Window
VSF	Square Vertical Slipfitter		Textured	AD-01 ²	AstroDIM: 50% output at	CLR 5,6,		SWBRG	Tablet SiteSync™ Wireless
	for 2"Tenon (2-3/8"OD)	GTT	Graphite Matte		midnight	TPL	Tamper proof latch	SWERG	Bridge Node
SF	Round Vertical Slipfitter for 2"Tenon (2-3/8"OD)	LGS	Textured Light Grev Gloss	AD-02 ²	AstroDIM: 50% output midnight to 4 AM	CP 12	Clear	WIR-RME-L	wiSCAPE™ Externa
/B	Wall Bracket	LGS	Smooth	AD-03 ²	AstroDIM: 50% output 10PM	•	Polycarbonate	SCH-R	Fixture Module Occ. Sensor for
		LGT	Light Grey Matte	AD-04 ²	AstroDIM: 50% output 10PM		Lens	3CII-R	Round Pole
			Textured	AD-04	to 4AM				(up to 30' MH)
		PSS	Platinum Silver Gloss Smooth	NXWE	NX Wireless Enabled			SCH-S	Occ. Sensor for Square Pole
		VGT	Verde Green Matte	SWP ^{2,3,4}	SiteSync™ Pre				(up to 30' MH)
			Textured		commission			NXOFM-	NX 7-pin Module
		WHS	White Gloss Smooth	SWPM-40F ^{2,3,4,5}	SiteSync™ with Sensor 9' to 40' MH			1R1D-UNV	
			White Matte Textured	WSP-40F-1 ^{2,5}	Dimming Occ. Sensor for up				
		Color	Option		to 40' MH, 120/277/347V				
		CC 7	Custom Color	WSP-40F-2 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 208/240V				
		-		WSP-40F-3 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 480V				
				NXSPW14F 2,5	NX Wireless, PIR Sensor, 14'				
				NXSPW30F 2,5	NX Wireless, PIR Occupancy				
					Sensor, Dimming Daylight				
					Harvesting, 30'.				
				NXSP14F 2,5	NX, PIR Occupancy				
					Sensor, Dimming Daylight Harvesting, 14'				
				NXSP30F 2,5	NX, PIR Occupancy				
		Sensor, Dimming Daylight							
			Not available with	Harvesting, 30' 5QM, 5QN, and 5W distributions.	L	8 Turtle Friendly.	I		
		I		 Not available with Specify group and www.hubbelllightin least one SiteSync 	other sensor or wireless control opt zone at time of order. See g.com/sitesync for more details. Or interface accessory SWUSB otton contains SiteSync™ License, G	der at	9 Please see Delivere 10 Microsoft, Encarta, N trademarks or trade of Microsoft Corpora countries. 11 Not available with 2- LED Engline	MSN, and Window marks ation in the United	s are either registered d States and/or other
				5 24L and 56L only 6 Not available with l		e finish	12 IK10 rated, Consult fi 13 IK08 rated, Consult	actory for details factory for details	

Page 2/14 Rev. 06/07/21 UR20 Arm Mounted

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HUBBELL Lighting HUBBELL



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

DATE:

LOCATION:

TYPE:

CATALOG #:

PROJECT:

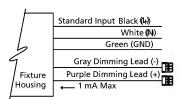
CONTROLS (CONTINUED)

DIMMING:

 Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.

SPECIFICATIONS (CONTINUED)

- 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 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.hubbelllighting.com/ products/sitesync for more details.

NX DISTRIBUTED INTELIGENCE™

 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-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY

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

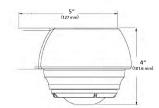
SCH-S

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/277²/BL³

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)



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

SPECIFICATIONS (CONTINUED)

MOUNTING

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

SUPPORT ARM:

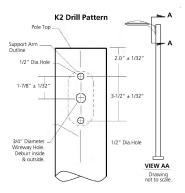
- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in 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 quickdisconnect 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 <u>HLI Standard Warranty</u> 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.Hubbelli.ghting.com/products/sitesync or contact Hubbell Lighting 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

Page 4/14 Rev. 06/07/21 UR20 Arm Mounted

Submitted On: Apr 5, 2022

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West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 DATE:

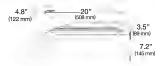
LOCATION:

TYPE:

PROJECT:

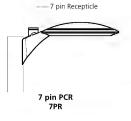
CATALOG #:

DIMENSIONS



Weight: 32 lbs EPA: .372

SENSOR PLACEMENT













MOUNTING VIBRATION RATINGS

UR 20 Ar	m	UR28 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

Page 5/14 Rev. 06/07/21 **UR20 Arm Mounted**

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West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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:

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS (CONTINUED)

						3	3000	K 70	CRI		4	400C)K 70	CRI		Ę	5000	K 70	CRI	
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		lm/w	Lumen		BUG Ratin		lm/w	Lumen		BUG Ratin		lm/w
							В	U	G			В	U	G			В	U	G	
					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
				No lens	4	15715	1	0	3	114	16722	1	0	3	121	16608	1	0	3	121
				140 16113	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
56L		750mA	140		5W	15989	4	0	2	116	17013	4	0	2	123	16897	4	0	2	123
302	17.000	7 301117 (110		FR	16162	1	0	2	116	17198	2	0	2	124	17080	2	0	2	123
	17,000				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
				clear lens	4	14913	1	0	3	107	15869	1	0	3	114	15760	1	0	3	114
				Cical long	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
		020111/4	.50	I IDE ICIIS	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





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

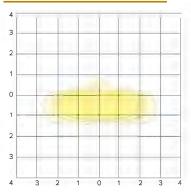
LUMINAIRE DATA

Description	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

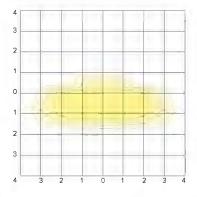
LUMINAIRE DATA

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

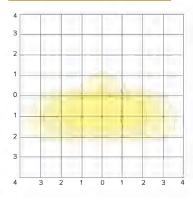
LUMINAIRE DATA

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



Page 11/14 Rev. 06/07/21 **UR20 Arm Mounted**





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

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KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR20-56L-140-4K7-4

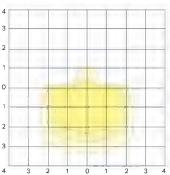
LUMINAIRE DATA

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

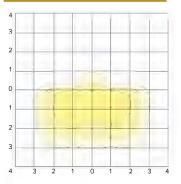
LUMINAIRE DATA

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

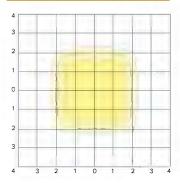
LUMINAIRE DATA

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



Page 12/14 Rev. 06/07/21 **UR20 Arm Mounted**





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

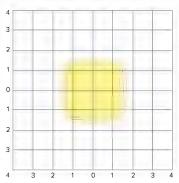
LUMINAIRE DATA

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

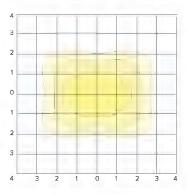
LUMINAIRE DATA

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

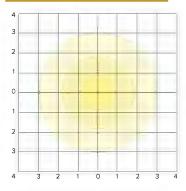
LUMINAIRE DATA

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



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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

DATE:

LOCATION:

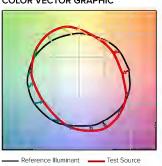
TYPE:

PROJECT:

CATALOG #:

TM-30 DATA

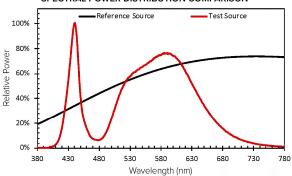
COLOR VECTOR GRAPHIC



TEST SOURCE

Rf	68
Rg	99
CCT(K)	3947
Duv	0.0004
х	0.3831
у	0.3793
CIE R ₀	72

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

									Di	mming							
Drive	LED	System	Line V	'oltage			Amp	s AC			Min. Power	Max	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor	THD (%)	3	Min	Max	Min	Max
298mA	24	25			0.21	0.12	0.10	0.09	0.07	0.05							
298mA	28	30 65			0.25	0.14	0.13	0.11	0.09	0.06							
800mA	24				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	120-480	50/60	0.63	0.36	0.31	0.27	0.22	0.16	>0.9	20	10% to 100%	OmA	1mA	OV	10V
350mA	68	80	120-460	30/60	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				

LIGHTING SYSTEMS

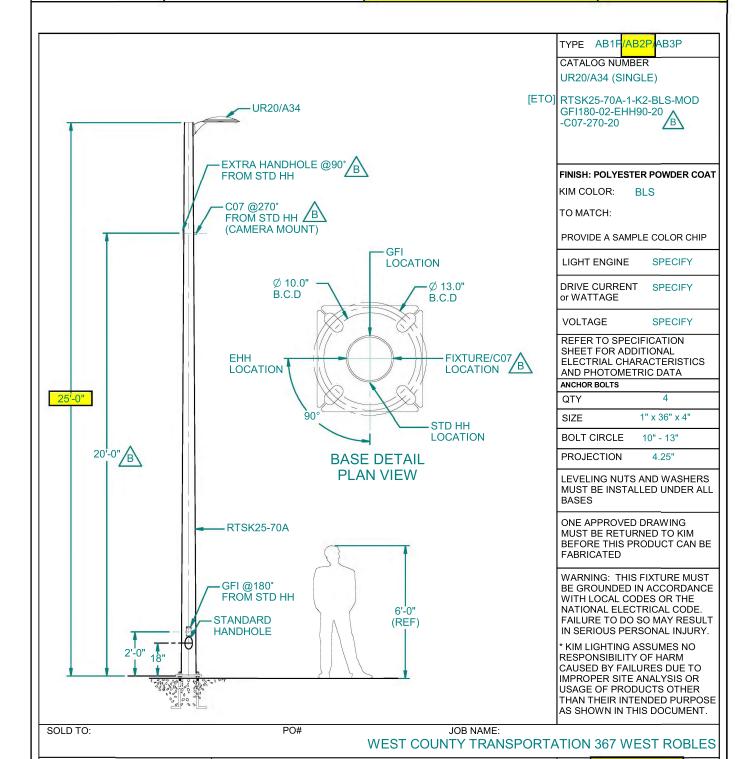
Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

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

West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San

Catalog Number:

DATE:

TYPF:

CATALOG #:

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

LOCATION:

PROJECT:

Type:

AB3

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











CONTROL TECHNOLOGY



O. ...



RELATED PRODUCTS

8 Ouro Small
Post Top

9 Ouro Large Post Top Ouro Large Arm Mount

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

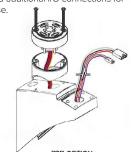
7PR

 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.



(Specifications continued on page 3)

2888 - 17080
25 - 150
100 -136
L70/>60,000
32 lbs - 14.5 Kg
0.372

¹Clear Polycarbonate Lens (CP) IK10, Standard Iens (CLR) IK08, Consult factory for details

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LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

ORDERING GUIDE

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

CATALOG # HOUSING

UR20					
Model LI	ED Engine	CCT/CRI	Distribution	Rotation	Voltage
2 2 5 5 6 6	No Lens or Clear Lens 241-25 3,000 lm 241-65 7,000 lm 561-75 10,000 lm 561-140 15,000 lm 561-140 17,000 lm HDL - High Diffusion Lens 281-30 3,000 lm 281-70 7,000 lm 681-80 9,000 lm 681-115 13,000 lm 681-150 15,000 lm	AM" Amber, 595nm 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI Consult factory for other CCTs and CRIs	No Lens or Clear Lens FR	(Blank) Blank for no rotation L¹ Optic rotation left R¹ Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V 1*Consult factory

Mountin	g	Fixture	e Finish	Control Options		Options		Control Acce	essories
ASQ A34	Arm Square pole Arm mt 3.3-4.2" OD pole	BLS	Black Gloss Smooth Black Matte Textured	7PR-TL	7 pin PCR with twist lock photocontrol	BC 6	Back-light Control	SW7PR ^{2,3}	SiteSync™ with 7 pir PCR
A46	Arm mt 4.5-6.0" OD pole	DBS	Dark Bronze Gloss	7PR-SC	7 pin PCR with shorting cap	SF DF	Single Fuse Double Fuse	SWUSB	SiteSync™ Software on USB
MAF	Horizontal Slip Fitter 2 3/8" OD arm	DBT	Smooth Dark Bronze Matte	7PR	7 pin PCR, wireless control enabled	тв	Terminal Block	SWTAB 10	SiteSync™ Windov
SVSF	Square Vertical Slipfitter for 2"Tenon (2-3/8"OD)	GTT	Textured Graphite Matte	AD-01 ²	AstroDIM: 50% output at midnight	CLR ^{5,6,13} TPL	Clear Lens Tamper proof	SWBRG	Tablet SiteSync™ Wireles
VSF	Round Vertical Slipfitter		Textured	AD-02 ²	AstroDIM: 50% output	CP 12	latch Clear	WIR-RME-L	Bridge Node wiSCAPE™ Externa
WB	for 2"Tenon (2-3/8"OD) Wall Bracket	LGS	Light Grey Gloss Smooth	AD-03 ²	midnight to 4 AM AstroDIM: 50% output 10PM	CF	Polycarbonate	SCH-R	Fixture Module Occ. Sensor for
		LGT	Light Grey Matte Textured	AD-04 ²	AstroDIM: 50% output 10PM		Lens		Round Pole (up to 30' MH)
		PSS	Platinum Silver Gloss Smooth	NXWE	to 4AM NX Wireless Enabled			SCH-S	Occ. Sensor for Sauare Pole
		VGT	Verde Green Matte Textured	SWP ^{2,3,4}	SiteSync™ Pre commission			NXOFM-	(up to 30' MH)
		WHS	White Gloss Smooth	SWPM-40F ^{2,3,4,5}	SiteSync™ with Sensor 9' to			1R1D-UNV	NX 7-pin Module
			White Matte Textured Option	WSP-40F-1 ^{2,5}	40' MH Dimming Occ. Sensor for up to 40' MH, 120/277/347V				
		CC 7	Custom Color	WSP-40F-2 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 208/240V				
				WSP-40F-3 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 480V				
				NXSPW14F 2,5	NX Wireless, PIR Sensor, 14'				
				NXSPW30F ^{2,5}	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'.				
				NXSP14F ^{2,5}	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'				
				NXSP30F ^{2,5}	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'				
				2 Not available with Specify group and www.hubbellightin least one SiteSync or SWTAB. Each op Bridge Node 4 Not available with 24L and 56L only Not available with		10 der at UI, and 11 12 13	trademarks or trade of Microsoft Corpora countries.	MSN, and Window marks ation in the United 4L-65 and the 56 actory for details	n Page 5 for lumen s are either registered I States and/or other L-140 configuration of t

Page 2/14 Rev. 06/07/21 **UR20 Arm Mounted**

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HUBBELL Lighting HUBBELL



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Notes:

Type:

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KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DATE:

LOCATION:

TYPE:

CATALOG #:

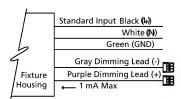
PROJECT:

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 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.hubbelllighting.com/ products/sitesync for more details.

NX DISTRIBUTED INTELIGENCE™

 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-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY

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

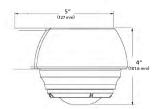
SCH-S

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/2772/BL3

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.





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AB3

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KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DATE:

LOCATION:

TYPE:

CATALOG #:

PROJECT:

SPECIFICATIONS (CONTINUED)

MOUNTING

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

SUPPORT ARM:

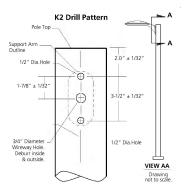
- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in 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 quickdisconnect 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 <u>HLI Standard Warranty</u> for additional information

PRECOMMISSIONED SITESYNC ORDERING NFORMATION: 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.Hubbelli.ghting.com/products/sitesync or contact Hubbell Lighting 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

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Submitted On: Apr 5, 2022

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West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

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Type:

AB3

B22-559722

KIMLIGHTING

UR20 ARCHITECTURAL AREA/SITE DATE:

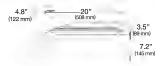
LOCATION:

TYPE:

PROJECT:

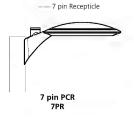
CATALOG #:

DIMENSIONS



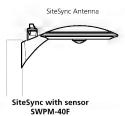
Weight: 32 lbs EPA: .372

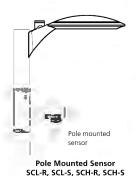
SENSOR PLACEMENT













MOUNTING VIBRATION RATINGS

UR 20 Ar	m	UR28 Ar	m	UR 20 Post	Тор	UR 28 Post	Тор
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

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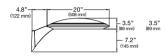
AB3

KIMLIGHTING

UR20 ARCHITECTURAL AREA/SITE

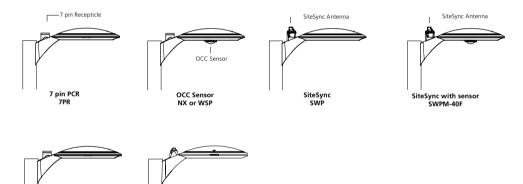
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS



Weight: 32 lbs EPA: .372

SENSOR PLACEMENT





MOUNTING VIBRATION RATINGS

UR 20 Ar	rm	UR28 Ar	m	UR 20 Post	Тор	UR 28 Post	Тор
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





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022
Architect: Glass Architects (Santa Rosa)
Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

CATALOG #:

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Type:

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KIMLIGHTING

U	R	2	0					
ARC	:HI	TFC	TI.	JRAI	А	RF/	\/S	ITE

DATE:	LOCATION:	
TYPE:	PROJECT:	
	-	

DELIVERED LUMENS (CONTINUED)

						3	3000	K 70	CRI			4000K 70CRI			į	5000)K 70	CRI																
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		lm/w	Lumen		BUG Rating																lm/w	Lumen		BUG		lm/w
				,		Lumen	В	U	G	1111/44	Lumen	В	U	G	IIII/VV	Lumen	В	U	G	IIII/W														
					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														
				No lens	4	15715	1	0	3	114	16722	1	0	3	121	16608	1	0	3	121														
				No lens	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														
56L		750mA	140		5W	15989	4	0	2	116	17013	4	0	2	123	16897	4	0	2	123														
002	17,000	, , , , , , , , , , , , , , , , , , , ,	1.0		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														
				clear lens	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 17102	4	0	2	119	16355 16985	4	0	2	118														
					5QN	16072 15339	4	0	4	111	16323		0	4	123	16211	4	0	4	117														
					5R	15339	4	0	2	109	16145	4	0	2	116	16035	4	0	2	116														
					5W	14192	3	0	3	96	14999	3	0	3	101	14896	3	0	3	101														
68L		625mA	150	HDL lens	3	14192	3	0	2	98	15338	3	0	2	104	15233	3	0	2	103														
					5W	14514	3	U		98	15338	3	U	2	104	15233	3	U		103														

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







Job Name:

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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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR20-56L-140-4K7-FR

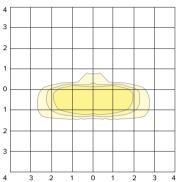
LUMINAIRE DATA

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

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

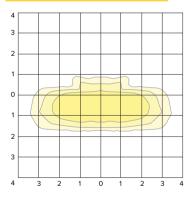
LUMINAIRE DATA

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

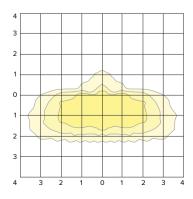
LUMINAIRE DATA

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







Job Name:
West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022
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

DATE: LOCATION: PROJECT: TYPE:

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

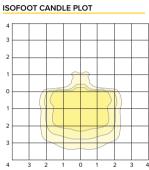
UR20-56L-140-4K7-4

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%



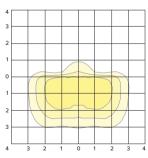
CATALOG #:

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

ISOFOOT CANDLE PLOT



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%

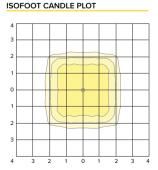
UR20-56L-140-4K7-5QM

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%









Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

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

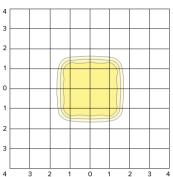
LUMINAIRE DATA

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

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

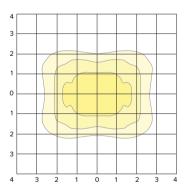
LUMINAIRE DATA

Description	4000K. 70CRI
Description	4000K, 70CKI
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

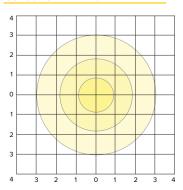
Description	4000K, 70CRI
Delivered Lumens	17014
Watts	140
Efficacy	121.5
IES Type	III
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Submitted On: Apr 5, 2022

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



(Splancifications continued on page 4)

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Submitted On: Apr 5, 2022 8/10





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

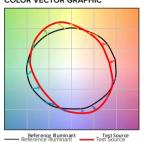
B22-559722

KIMLIGHTING

UR20 ARCHITECTURAL AREA/SITE DATE: LOCATION: PROJECT: TYPE: CATALOG #:

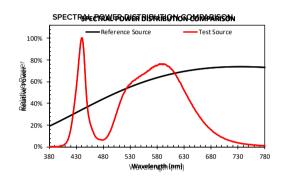
TM-30 DATA

COLOR VECTOR GRAPHIC



TEST SOURCE

Rr	68
R _g	99
CCT(K)	3947
Dυν	0.0004
x	0.3831
у	0.3793
CIE R _a	72



ELECTRICAL DATA

										Di	mming								
Drive	LED	System	Line V	'oltage			Amps AC Min. Max Power This 160 Dimming Range Source cur out of 0-10												
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor	THD (%)	THD (%)	THD (%)	2 mining range	Min	Max	Min	Max
298mA	24	25			0.21	0.12	0.10	0.09	0.07	0.05									
298mA	28	30			0.25	0.14	0.13	0.11	0.09	0.06									
800mA	24	65		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	400 400	E0/60	0.63	0.36	0.31	0.27	0.22	0.16	>0.9	20	10% to 100%	OmA	1mA	0V	10V		
350mA	68	80	120-480	50/60	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					

(Splancifications continued on page 4)

* HUBBELL Lighting Index Page

IGHTING

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

Catalog Number:

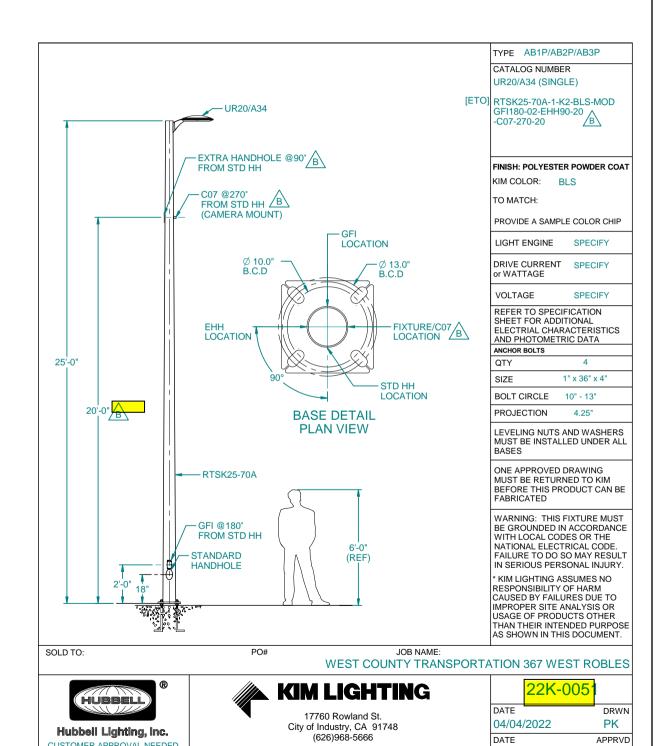
UR20-56L-140-3K7-2-UNV-A34-DBS / 22K-0051B-RTSK25-70A-1-K2-DBS-MOD GFI180-02-EHH90-20-C07-270-20 Notes:

Type:

AB3

B22-559722





CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

KIM Lighting Reserves The Right To Change Manufacturing

Processes Without Notice.

APPRVD

AUG

RE

DATE

DATE

04/04/2022

06/01/2022

West County Transportation 367 West Robles - Kim Lighting - Updated7 1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

Catalog Number:

DATE

TYPE CATALOG #

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17 Notes:

> LOCATION PROJECT

Type:

AC1

KIMLIGHTING®

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



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

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:

Ouro Arm Mount

RELATED PRODUCTS

- · 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	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			

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

Page 1/15 Rev. 06/07/21 UR28 Arm Mounted

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

Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

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1/11



 \mathscr{B} PHOTOMETRY

& DELIVERED LUMENS

⊗ DIMENSIONAL DRAWINGS

IGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17

Notes:

Type:

AC₁

B22-559722

KIMLIGHTING

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

UR28					
Model	LED Engine	CCT/CRI	Distribution	Rotation	Voltage
JR28 Ouro	No Lens or Clear Lens 96L-155 20,000 lm 96L-170 22,500 lm 96L-185 24,000 lm 96L-220 27,000 lm 96L-255 30,000 lm 96L-315 35,000 lm HDL - High Diffusion Lens 114L-160 18,000 lm 114L-180 20,000 lm	AM " Amber, 595nm 27K8	No Lens or Clear Lens FR Type I/Front Row 2 Type II 3 Type III 4 Type IV 4W Type IV Wide 5OM Type V Square Medium 5ON Type V Square Narrow 5P Type V Rectangular 5W Type V Wrote Room of HDL - High - Diffusion Lens 3 Type IIII/Asymmetric 5W Type V/Symmetric	(Blank) Blank for no rotation L¹ Optic rotation left R¹ Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V 'Consult factory

Mounting	J	Fixtur	e Finish	Control Options		Options		Control Acce	ssories
ASQ A34 A46 MAF	Arm Square pole Arm mt 3.3-4.2" OD pole Arm mt 4.5-6.0" OD pole Horizontal Slip Fitter 2 3/8" OD arm	BLS BLT DBS	Black Gloss Smooth Black Matte Textured Dark Bronze Gloss Smooth Dark Bronze Matte Texture	7PR-TL 7PR-SC 7PR AD-01 ²	7 pin PCR with twist lock photocontrol 7 pin PCR with shorting cap 7 pin PCR, wireless control enabled AstroDIM: 50% output at midnight AstroDIM: 50% output midnight	SF DF TB CLR 5,6,13	Back-light Control Single Fuse Double Fuse Terminal Block Clear Lens		SiteSync™ with 7 p PCR SiteSync™ Softwar on USB SiteSync™ Window Tablet
SVSF /SF VB	Square Vertical Slipfitter for 2"Tenon (2-3/8"OD) Round Vertical Slipfitter for 2"Tenon (2-3/8"OD) Wall Bracket	GTT LGS LGT	Graphite Matte Textured Light Grey Gloss Smooth Light Grey Matte	AD-03 ² AD-04 ²	to 4 AM AstroDIM: 50% output 10PM AstroDIM: 50% output 10PM to 4AM	TPL CP ¹²	Tamper proof latch Clear Polycarbonate Lens	SWBRG WIR-RME-L SCH-R	SiteSync™ Wireles Bridge Node wiSCAPE™ Extern- Fixture Module Occ. Sensor for Round Pole
		PSS VGT	Textured Platinum Silver Gloss Smooth Verde Green Matte	NXWE SWP ^{2,3,4} SWPM-40F ^{2,3,4,5}	NX Wireless Enabled SiteSync Pre commission SiteSync with Sensor 9' to 40' MH			SCH-S	(up to 30' MH) Occ. Sensor for Square Pole (up to 30' MH)
			Textured White Gloss Smooth White Matte Textured Option	WSP-40F-1 ^{2,5} WSP-40F-2 ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 120/277/347V Dimming Occ. Sensor for up to 40' MH, 208/240V			NXOFM- 1R1D-UNV	NX 7-pin Module
		CC 7	Custom Color	WSP-40F-3 ^{2,5} NXSPW14F ^{2,5} NXSPW30F ^{2,5}	Dimming Occ. Sensor for up to 40' MH, 480V NX Wireless, PIR Sensor, 14' NX Wireless, PIR Occupancy Sensor,				
				NXSP14F ^{2,5} NXSP30F ^{2,5}	Dimming Daylight Harvesting, 30'. NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'				
				Not available with Specify group an www.hubbelllight least one SiteSyn	Dimming Daylight Harvesting, 30' in 5QM, 5QN, and 5W distributions. In other sensor or wireless control options. If you at time of order. See ing. com/sitesym. for more details. Order at cinterface accessory SWUSB	8 Tur 9 Ple 10 Mic trac	tions. tle Friendly. ase see Delivered crosoft, Encarta, MS demarks or tradem Microsoft Corporati	SN, and Windows arks	are either registere

- least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync" License, GUI, and Bridge Node.

 Not available with 47V and 480V.

 Not available with 95U, option.

 Not available with HDL option.

 Consult factory for custom color, marine and corrosive finish

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

 Not available with 95L.255 and the 96L-315 configuration of the LED Engine

 1. Kill or actic Consult factory for details

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Total Millennium Blvd - Greenville, SC 29607 / Tel 864.678.1000 / Website **www.lightilitimp.com

Submitted On: Apr 5, 2022 **8/10**





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17

Notes:

Type:

AC1

B22-559722

KIMLIGHTING

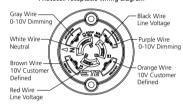
UR28 ARCHITECTURAL AREA/SITE

LOCATION DATE PROJECT TYPE CATALOG #

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 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.

 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.hubbelllighting.com/ products/sitesync for more details

NX DISTRIBUTED INTELIGENCE™

 Hubbell Control Solutions' NX Distributed IntelligenceTM 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

instructions.

ROUND POLE-MOUNTED OCCUPANCY

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

· 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, Grav, 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

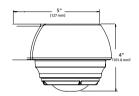
Ordering Example: SCH-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY Sensor up to 30'. Select voltage and finish color.

- · 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/277²/BL³

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.



(Splancifications continued on page 4)

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3/11



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

B22-559722

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

LOCATION DATE PROJECT TYPE: CATALOG

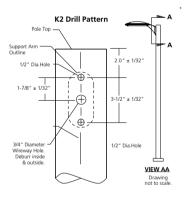
SPECIFICATIONS (CONTINUED)

Hight temperature fuse holders factory installed inside the fixture housing.

Fuse is included

SUPPORT ARM:

- · Die-cast, low copper aluminum alloy, with splice
- · 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 guickdisconnect 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

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 <u>HLI Standard Warranty</u> for additional information

PRECOMMISSIONED SITESYNC ORDERING INFORMATION. When ordering a fixture with the SteSync 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 piease visit www.Hubbell.Upting.com/products/sitesync or contact 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





West County Transportation 367 West Robles - Kim Lighting - Updated7 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

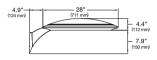
KIMLIGHTING

UR28 ARCHITECTURAL AREA/SITE

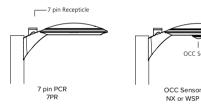
DATE:	LOCATION:
T) (05	DD0 1507
TYPE:	PROJECT:
CATALOG #:	
	TYPE:

DIMENSIONS

Weight: 50 lbs EPA: .524

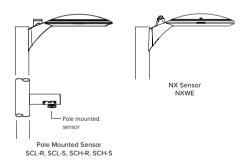


5SENSOR PLACEMENT









MOUNTING VIBRATION RATINGS

UR 20 Ar	m	UR28 Ar	m	UR 20 Post	Тор	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

(Spancifications continued on page 4)





Job Name:
West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022
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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

B22-559722

KIMLIGHTING

UR28 ARCHITECTURAL AREA/SITE

DATE:	LOCATION:
TYPE:	PROJECT:

CATALOG #:

DELIVERED LUMENS

					3	3000)K 70	CRI		4	1000	K 70	CRI		į	5000)K 70	CRI						
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		lm/w	Lumen		BUG		lm/w	Lumen		BUG		lm/w				
						Lumen	В	U	G	IIII/W	Lumen	В	U	G	IIII/W	Lumen	В	U	G	IIII/W				
					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	6	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				
				No lens	4	19130	1	0	4	123	19611	1	0	4	127	19835	1	0	4	130				
				No lens	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				
	96L 500mA			[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				
961		OmA 155	155	5W	20182	5	0	3	130	20689	5	0	3	133	20926	5	0	3	138					
302	20,000	300IIIA 133	155	155	155	FR	19187	2	0	2	124	19670	2	0	2	127	19895	2	0	2	130			
	20,000							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				
								Clear lens	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

(Splancifications continued on page 4)

* HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

B22-559722

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

LOCATION: DATE: PROJECT: TYPE:

CATALOG #:

PHOTOMETRY

UR28-96L-315-4K7-FR

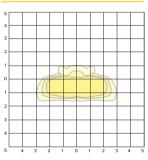
LUMINAIRE DATA

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

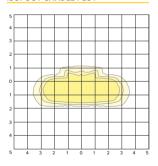
LUMINAIRE DATA

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

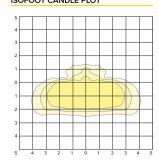
LUMINAIRE DATA

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



(Splancifications continued on page 4)

* HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

B22-559722

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

LOCATION: DATE: PROJECT: TYPE:

PHOTOMETRY

UR28-96L-315-4K7-4

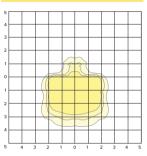
LUMINAIRE DATA

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



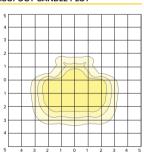
CATALOG #:

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

ISOFOOT CANDLE PLOT



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%

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

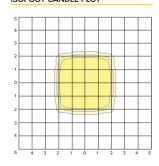
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	35669
Watts	315
Efficacy	113.2
IES Type	VS
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



(Splancifications continued on page 4)

HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

B22-559722

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

LOCATION: DATE: PROJECT: TYPE:

PHOTOMETRY

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

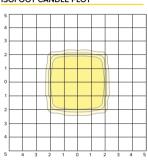
LUMINAIRE DATA

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

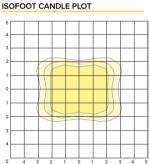


CATALOG #:

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%

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

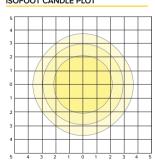
LUMINAIRE DATA

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



(Splancifications continued on page 4)

* HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

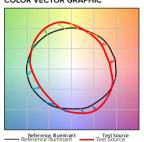
B22-559722

KIMLIGHTING

UR28 ARCHITECTURAL AREA/SITE DATE: LOCATION: PROJECT: TYPE: CATALOG #:

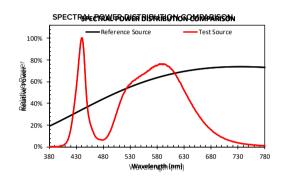
TM-30 DATA

COLOR VECTOR GRAPHIC



TEST SOURCE

Rr	68
R _g	99
CCT(K)	3947
Dυν	0.0004
x	0.3831
у	0.3793
CIE R _a	72



ELECTRICAL DATA

													Dimming							
Drive	LED	System	Line V	oltage			Amp	s AC			Min. Power	Max	Dimming Range		current f 0-10V	Absolute voltage range on 0-10V (+)				
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor	THD (%)	3 . 3.	Min	Max	Min	Max			
500 mA	96	155			1.29	0.75	0.65	0.56	0.45	0.32			10% to 100%							
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				0mA						
600 mA	96	185	120-480	50/60	1.54	0.89	0.77	0.67	0.53	0.39	>0.9	20			1mA	ov	10V			
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-2	TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)									
Ambient Temp. 0 25,000		25,000	36,000	50,000	100,000	Reported L70				
25°C / 77°F	25°C / 77°F 100% 97%		95%	93%	87%	60khrs				

		CRI Lumen Mi	ultiplier					
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				



IGHTING

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

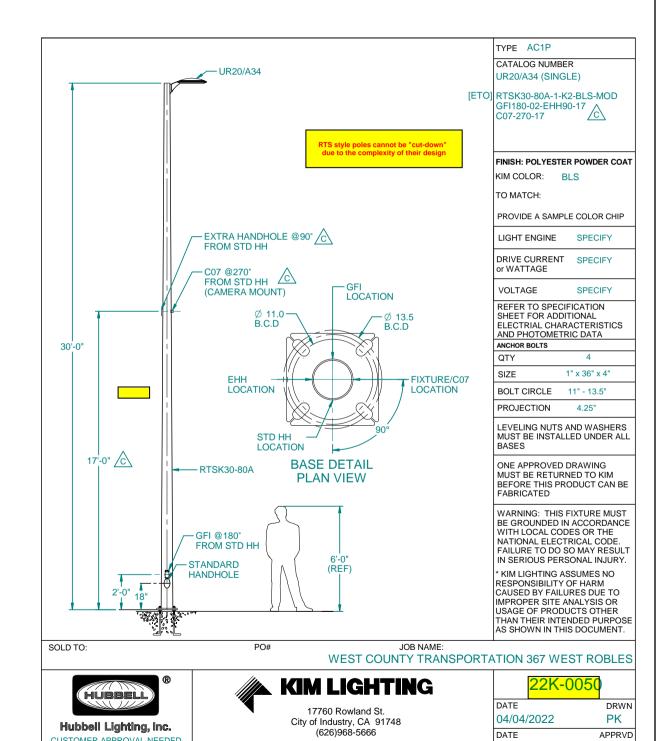
Catalog Number:

UR28-96L-155-3K7-3-UNV-A34-DBS / 22K-0050C-RTSK30-80A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₁

B22-559722



Hubbell Lighting, Inc.

CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

APPRVD

AUG

RE

04/04/2022

04/04/2022

06/13/2022

DATE

DATE

KIM Lighting Reserves The Right To Change Manufacturing

Processes Without Notice.

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

Catalog Number:

DATE

TYPE CATALOG #

UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

KIMLIGHTING®

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









ELECTRICAL

CONTROL TECHNOLOGY



- · 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:

Ouro Arm Mount

RELATED PRODUCTS

- 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	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

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.

Clear Polycarbonate Lens (CP) IK10, Standard lens (CLR) IK08, Consult factory for details

Page 1/15 Rev. 06/07/21 UR28 Arm Mounted

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Submitted On: Apr 5, 2022

LOCATION:

PROJECT

⊗ BROCHURE

 \mathscr{B} PHOTOMETRY

IGHTING

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

AC₂

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

DATE: LOCATION: PROJECT: TYPE: CATALOG #:

ORDERING GUIDE

Example: UR28-96L-155-3K8-3-L-UNV-ASQ-BLT-7PR-BC-SWTAB CATALOG # HOUSING UR28 **LED Engine** CCT/CRI Model Voltage Ouro UNV 120-277V Amber, 595nm No Lens or Clear Lens No Lens or Clear Lens AM 11 (Blank) Blank for no Type 1/Front Row rotation 347 347V 27K8 t 2700K, 80 CRI 96L-155 20,000 lm Optic rotation left Type II 480 480V 3K7 3000K, 70 CRI Optic rotation right Type III 96L-170 22,500 lm DALI 120-277V 3K8 3000K, 80 CRI Type IV †Consult factory 96L-185 24,000 lm 3K9 3000,90 CRI 4w Type IV Wide Type V Square Medium 35K8 3500K, 80 CRI 5QM **27,**000 lm Type V Square Narrow 4K7 4000K, 70 CRI 96L-255 30,000 In Type V Rectangular 4K8 400 5W 96L-315 35,000 lm 5K7 500 HDL - High Diffusion Lens Consult factory for HDL - High Diffusion Lens 3 5W Type III/Asymmetric other CCTs and CRIs 114L-160 18,000 lm Type V/Symmetric 114L-180 20,000 lm 114L-265 25,000 lm

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

- Not available with officer selsor of witness Collino opinions. Specify group and zone at time of order. See a www.hubbellightling.com/sitesync for order. See a complete see Delivered Lumens chart on Page 5 for lumen extra times for consistency for more details. Order at least one Site/Sync interface accessory SVUGB or SWTAB. Each option contains SiteSync"-License, GUI, and Bridge Node. Most available with 347V and 480V. How will be with 961-255 and the 961-315 configuration of the 961 only. Not available with HDL option. Consult factory for custom color, marine and corrosive finish 1808 rated. Consult factory for details





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

KIMLIGHTING

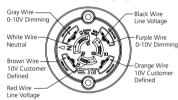
UR28 ARCHITECTURAL AREA/SITE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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 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.

 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.hubbelllighting.com/ products/sitesync for more details

NX DISTRIBUTED INTELIGENCE™

 Hubbell Control Solutions' NX Distributed IntelligenceTM 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.

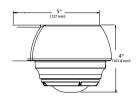
- · Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.
- Ordering Example: SCH-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY Sensor up to 30'. Select voltage and finish color.

- · 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/277²/BL³

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.



(Splancifications continued on page 4)

HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

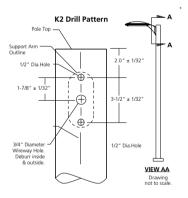
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

SPECIFICATIONS (CONTINUED)

Hight temperature fuse holders factory installed inside the fixture housing.

SUPPORT ARM:

- · Die-cast, low copper aluminum alloy, with splice
- · 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 guickdisconnect 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

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 <u>HLI Standard Warranty</u> for additional information

PRECOMMISSIONED SITESYNC ORDERING INFORMATION. When ordering a fixture with the SteSync 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 piease visit www.Hubbell.Upting.com/products/sitesync or contact 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





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Catalog Number: UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

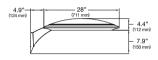
KIMLIGHTING

UR28 ARCHITECTURAL AREA/SITE

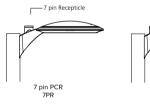
DATE:	LOCATION:
T) (D.E.	DDG JEGT
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

Weight: 50 lbs EPA: .524



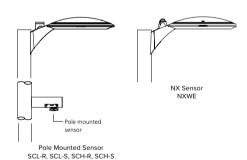
5SENSOR PLACEMENT











MOUNTING VIBRATION RATINGS

UR 20 Aı	m	UR28 Ar	m	UR 20 Post	Тор	UR 28 Post Top			
Ordering Code	Rating	Ordering Code Rating O		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

(Spancifications continued on page 4)





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022
Architect: Glass Architects (Santa Rosa)
Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

CATALOG #:

Catalog Number: UR28-96L-155-3K7-5QM-UNV-A34-DBS-BC / 22K-0052C-RTSK35-85A-1-K2-DBS-MOD GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

B22-559722

KIMLIGHTING

UR28 ARCHITECTURAL AREA/SITE

DAT <mark>E</mark> :	LOCATION:
7) (0	DDO IFCT
 TTTE:	PROJECT:

DELIVERED LUMENS

						3	3000)K 70	CRI		4	1000	K 70	CRI		5000K 70CRI						
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG		lm/w	Lumen		BUG ating		lm/w	Lumen		BUG	g	lm/w		
							В	U	G			В	U	G			В	U	G			
					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	<u>Б</u>	3	123	19593	2	0	3	126	19817	2	0	3	130		
		_		<u>.</u>	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		
				No lens	4	19130	1	0	4	123	19611	1	0	4	127	19835	1	0	4	130		
				INCIENS	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		
				L	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		
0.61		F00 A	155		5W	20182	5	0	3	130	20689	5	0	3	133	20926	5	0	3	138		
96L	20.000	500mA	SOUTH	SOUTHA	155		FR	19187	2	0	2	124	19670	2	0	2	127	19895	2	0	2	130
	20,000						FR-BC	12456	0	0	1	80	12769	0	0	1	82	12915	0	0	1	83
	F				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		
				Clear lens	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		
114L		430mA	160	HDL lens	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





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

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Type:

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

DATE: LOCATION: PROJECT: TYPE:

CATALOG #:

PHOTOMETRY

UR28-96L-315-4K7-FR

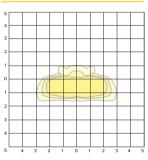
LUMINAIRE DATA

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

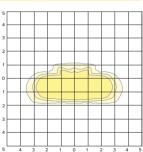


UR28-96L-315-4K7-2

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

ISOFOOT CANDLE PLOT



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%

UR28-96L-315-4K7-3

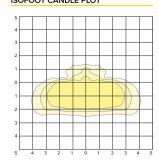
LUMINAIRE DATA

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



(Splancifications continued on page 4)

* HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

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Type:

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

LOCATION: DATE: PROJECT: TYPE:

PHOTOMETRY

UR28-96L-315-4K7-4

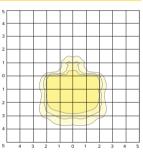
LUMINAIRE DATA

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



CATALOG #:

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

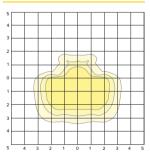
LUMINAIRE DATA

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

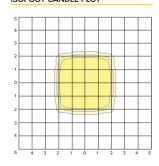
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	35669
Watts	315
Efficacy	113.2
IES Type	VS
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







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

DATE: LOCATION: PROJECT: TYPE:

PHOTOMETRY

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

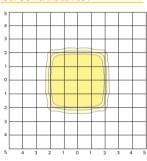
LUMINAIRE DATA

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



CATALOG #:

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

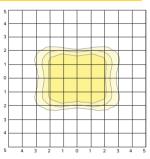
LUMINAIRE DATA

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

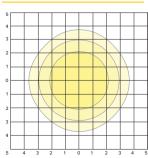
LUMINAIRE DATA

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



(Splancifications continued on page 4)

* HUBBELL Lighting Index Page



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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 GFI180-02-EHH90-17-C07-270-17 Notes:

Type:

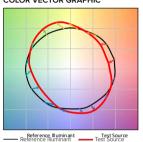
AC2

KIMLIGHTING

UR28 ARCHITECTURAL AREA/SITE DATE: LOCATION: TYPE: PROJECT: CATALOG #:

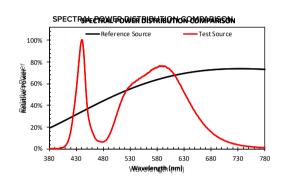
TM-30 DATA

COLOR VECTOR GRAPHIC



TEST SOURCE

Rr	68
R _g	99
CCT(K)	3947
Duv	0.0004
x	0.3831
у	0.3793
CIE Ra	72



ELECTRICAL DATA

										Di	mming									
Drive	LED	System	Line V	oltage			Amp	s AC			Min. Power		, Max				Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max			
500 mA	96	155			1.29	0.75	0.65	0.56	0.45	0.32										
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	120-480	50/60	1.54	0.89	0.77	0.67	0.53	0.39	>0.9	20	10% to 100%	OmA	1mA	ov	10V			
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					

(Splancifications continued on page 4)

* HUBBELL Lighting Index Page

LIGHTING SYSTEMS

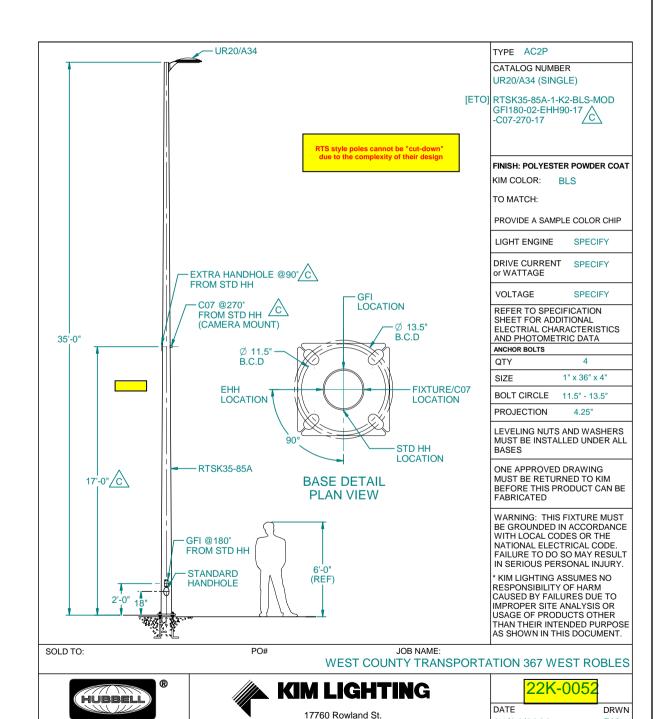
Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7 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 GFI180-02-EHH90-17-C07-270-17 Notes: Type:

AC₂

B22-559722



Hubbell Lighting, Inc.

CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES

City of Industry, CA 91748 (626)968-5666

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

11/11

PK

APPRVD

AUG

RE

04/04/2022

04/04/2022

06/13/2022

DATE

DATE

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

000 550700

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











CONTROL TECHNOLOGY



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.

DATE: LOCATION:

PROJECT

CATALOG #:

TYPE

OURO Ouro Arm Mount

RELATED PRODUCTS







CONSTRUCTION

SPECIFICATIONS

- 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.

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.



(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

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

Page 1/15 Rev. 06/07/21 UR29 Arm Mounted © 2021 Kim Lighting, a division of Hubbell Lighting, Inc. Specifications subject to change without notice. 701 Millennium Blvd - Greenville, SC 29607 / Tel 864.678.1000 / Website www.kimlighting.com



 \mathscr{B} PHOTOMETRY

⊗ BROCHURE

DATE:

LOCATION:

Submitted by Lighting Systems

LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

UR20

ARCHITECTURAL AREA/SITE

ORDERING GUIDE

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

CATALOG #

HOUSING

UR20								
Model	LED Engine CCT/CRI		Distribution	Rotation	Voltage			
UR20 Ouro	No Lens or Clear Lens 24L-25 3,000 lm 24L-65 7,000 lm 56L-75 10.000 lm 56L-110 15,000 lm 56L-140 17,000 lm HDL - High Diffusion Lens 28L-30 3,000 lm 28L-70 7,000 lm 68L-80 9,000 lm 68L-115 13,000 lm 68L-150 15,000 lm	AM 11 Amber, 595nm 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI Consult factory for other CCTs and CRIS	No Lens or Clear Lens FR Type I/Front Row 2 Type II 3 Type III 4 Type IV 4W Type IV Wide 5QM Type V Square Medium 5QN Type V Square Narrow 5R Type V Rectangular 5W Type V Wide (Round) HDL - High Diffusion Lens 3 Type III/Asymmetric 5W Type V/Symmetric	(Blank) Blank for no rotation L¹ Optic rotation left R¹ Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V 'Consult factory			

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

Not available with other sensor or wireless control options Specify group and zone at time of order. See www.hubbellichting.com/sitesync for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync* License, GUI, and Bridge Node Not available with 347V and 480V. 24L and 56L only Not available with HDL option Consult factory for custom color, marine and corrosive finish

10 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other

of Microsoft Corporation in the United States and/or Julien 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





West County Transportation 367 West Robles - Kim Lighting - Updated7 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

KIMIIGHTING

UR20 ARCHITECTURAL AREA/SITE

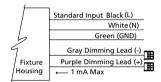
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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 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™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbelllighting.com/ products/sitesync for more details

NX DISTRIBUTED INTELIGENCE™

· 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-R4⁴/277²/BL³

SQUARE POLE-MOUNTED OCCUPANCY

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

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, Grav, 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/277²/BL³

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



(Splancifications continued on page 4)





West County Transportation 367 West Robles - Kim Lighting - Updated7 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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

SPECIFICATIONS (CONTINUED)

MOUNTING

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

SUPPORT ARM:

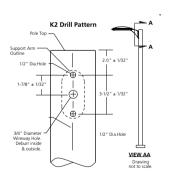
- Die-cast, low copper aluminum alloy, with splice access cover.
- Die-cast pole adapter and an internal reinforcing plate are provided with a wire strain relief.
- The arm adapter is square or circular cut for specified pole size and shape.
- For field wire connections, a terminal block is mounted in 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 quickdisconnect 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,

 IK40

 IK4
- · 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 <u>HLI Standard Warranty</u> for additional information

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

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

(Splancifications continued on page 4)



Submitted by Lighting Systems

LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

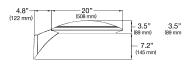
AC3A

322-559722

UR20

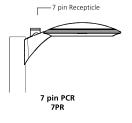
ARCHITECTURAL AREA/SITE

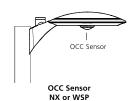
DIMENSIONS

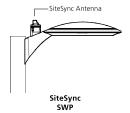


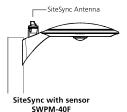
Weight: 32 lbs EPA: .372

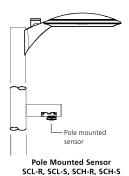
SENSOR PLACEMENT













MOUNTING VIBRATION RATINGS

UR 20 Arm UR28 Arm **UR 20 Post Top UR 28 Post Top** Ordering Code Ordering Code Rating Ordering Code <u>Rating</u> Rating Ordering Code Rating ASQ 4G 4G FM33 4G FM44 1.5G A34 4G 4G FM44 1.5G FM45 1.5G A34 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

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

(Splancidications continued on page on 4)

Page **36/10/Res**v/00/6077211 UR29 Arm Mounted

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Tot Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.kimilligitting.com

Submitted On: Apr 5, 2022

6/10





West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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

KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS (CONTINUED)

						3000K 70CRI		4000K 70CRI					5000K 70CRI							
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		lm/w	Lumen		BUG	9	lm/w	Lumen		BUG Ratin		lm/w
							В	U	G			В	U	G			В	U	G	
					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	m	135	14592	2	0	3	134
					3-BC	8256	1	0	2	75	8785	1	0	2	80	8725	1	0	2	79
				No lens	4	13878	1	0	3	128	14768	1	0	3	136	14667	1	0	3	135
				Noteris	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
56L		600mA	110		5W	14120	4	0	2	130	15025	4	0	2	138	14922	4	0	2	138
302	15.000	000111111	110		FR	14230	1	0	1	132	15142	1	0	2	140	15038	1	0	2	139
	10,000				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
				clear lens	4	13131	1	0	3	121	13972	1	0	3	129	13876	1	0	3	128
				ordar rons	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
			of EV7 lumon r		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

(Splancidications continued on page on 4)





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR20-56L-140-4K7-FR

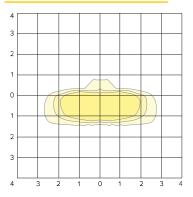
LUMINAIRE DATA

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

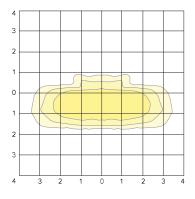
LUMINAIRE DATA

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

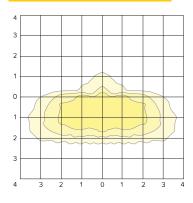
LUMINAIRE DATA

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



(Splancidications continued on page on 4)







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR20-56L-140-4K7-4

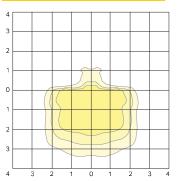
LUMINAIRE DATA

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

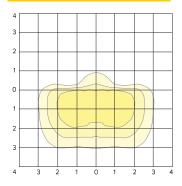
LUMINAIRE DATA

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

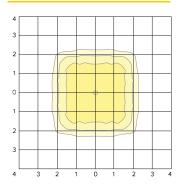
LUMINAIRE DATA

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



(Splancidications continued on page on 4)







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

UR20

ARCHITECTURAL AREA/SITE

PHOTOMETRY

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

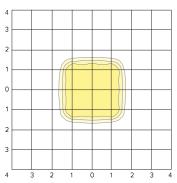
LUMINAIRE DATA

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

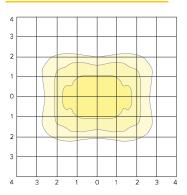
LUMINAIRE DATA

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

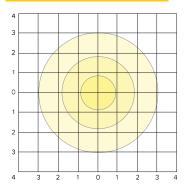
LUMINAIRE DATA

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



(Splancidications continued on page on 4)







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

Catalog Number:

Notes:

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

Type:

AC3A

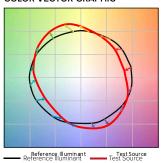
KIMLIGHTING

UR20

ARCHITECTURAL AREA/SITE

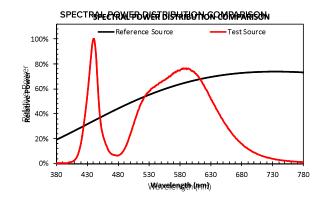
TM-30 DATA

COLOR VECTOR GRAPHIC



TEST SOURCE

Rf	68	
Rg	99	
CCT(K)	3947	
Duv	0.0004	
x	0.3831	
у	0.3793	
CIE Ra	72	



ELECTRICAL DATA

													Dimming										
Drive	LED	System	Line V	oltage			Amp	s AC			Min. Power	Max	Dimming Range		current 0-10V	Absolute voltage range on 0-10V (+)							
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor	THD (%)	Z mmmig mange	Min	Max	Min	Max						
298mA	24	25			0.21	0.12	0.10	0.09	0.07	0.05													
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	120-480	E0/60	0.63	0.36	0.31	0.27	0.22	0.16	>0.9	20	10% to 100%	OmA	1mA	ov	10V						
350mA	68	80	120-480	50/60	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-2	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 M	ultiplier	
ССТ	Amber	70 CRI	80 CRI	90 CRI
Amber	0.1727s	_	_	_
2700K	_	_	0.859	_
3000K	_	1	0.7033	
3500K	_	_	0.906	
4000K	_	1	0.8941	0.734
5000K	_	1	0.879	0.7712

(Splancidications continued on page on 4)



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Submitted On: Apr 5, 2022

8/10





West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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

322-559722

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







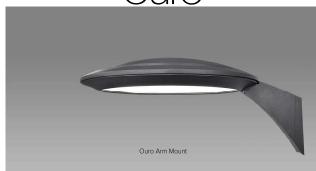




CONTROL TECHNOLOGY



<u>Ouro</u>



RELATED PRODUCTS

Ouro Small Post Top





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.

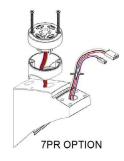
CONTROLS

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.



(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

¹Clear Polycarbonate Lens (CP) IK10, Standard Iens (CLR) IK08, Consult factory for details

Page 1/15 Rev. 06/07/21 UR28 Arm Mounted © 2021 Kim Lighting, a division of Hubbell Lighting, Inc. Specifications subject to change without notice. 701 Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.kimlighting.com



LIGHTING SYSTEMS

Job Name:

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

ORDERING GUIDE

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

HOUSING

UR28					
Model LED Engir	e C	CCT/CRI	Distribution	Rotation	Voltage
96L-155 96L-170 96L-185 96L-220 96L-255 96L-315	20,000 lm 22,500 lm 24,000 lm 27,000 lm 30,000 lm 35,000 lm	27/8 * 27/00K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000,90 CRI 35K8 3500K, 80 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 5K7 5000K, 70 CRI Consult factory for other CCTs and CRIs	No Lens or Clear Lens FR Type 1/Front Row 2 Type II 3 Type III 4 Type IV 4W Type IV Wide 5QM Type V Square Medium 5QN Type V Square Narrow 5R Type V Rectangular 5W Type V Wide (Round) HDL - High - Diffusion Lens 3 Type III/Asymmetric 5W Type V/Symmetric	(Blank) Blank for no rotation L 1 Optic rotation left R 1 Optic rotation right	UNV 120-277V 347 347V 480 480V DALI 120-277V 'Consult factory

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

- Not available with SOM, SON, and SW distributions. Not available with other sensor or wireless control options. Specify group and zone at time of order. See 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. Not available with 347V and 480V. 96L only. Not available with HDL option. 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 96L-255 and the 96L-315 configuration of the LED Engine

 12 IKIO rated. Consult factory for details

 13 IKO8 rated. Consult factory for details







West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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:

AC3E

322-559722

KIMLIGHTING

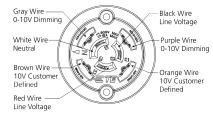
UR28

ARCHITECTURAL AREA/SITE

SPECIFICATIONS (CONTINUED)

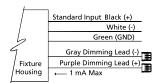
CONTROLS (CONTINUED)

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 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.hubbelllighting.com/ products/sitesync for more details.

NX DISTRIBUTED INTELIGENCE™

 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

5° (227 mm) (10.6 mm

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-R4⁴/277²/BL³

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/277²/BL³

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.

(Splantistications rantipued page on 4)



West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 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:

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

SPECIFICATIONS (CONTINUED)

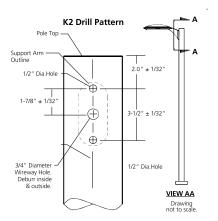
MOUNTING

Hight 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 quickdisconnect 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
- 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.Hubbellidhitina.com/products/sitesync or contact 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

(Spancifications continued on page 4)

West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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:

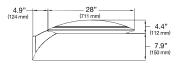
Type:

KIMLIGHTING

UR28

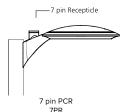
ARCHITECTURAL AREA/SITE

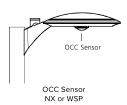
DIMENSIONS

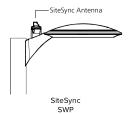


Weight: 50 lbs EPA: .524

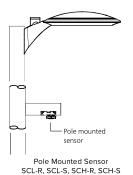
5SENSOR PLACEMENT

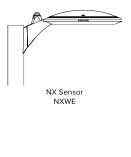












MOUNTING VIBRATION RATINGS

UR 20 Aı	m	UR28 Ar	m	UR 20 Post	Тор	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

(Splancidications continued on page on 4)

Catalog Number: Job Name:

West County Transportation 367 West Robles - Kim Lightling - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg. Cons. (San

UR28-96L-155-3K7-3-UNV-A34-DBS-

Type:

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS

						3	3000	K 70	CRI		4	1000)K 70	CRI		Ĺ	5000)K 70	CRI			
LEDs #	Lumens Package	Drive Current	Nominal Watts	Lens Options	Distribution	Lumen		BUG Ratin		Im/w	Lumen	BUG Lumen Rating		lm/w Lume			BUG Ratin		lm/w			
							В	U	G			В	U	G			В	U	G			
					FR	20197	2	0	2	130	20705	2	0	2	134	20942	2	0	2	138		
			FR-BC	13112	1	<u>0</u>	1	85	13442	1	0	1	87	13595	1	0	1	89				
					2	19112	2	<u>Б</u>	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		
				No lens	4	19130	1	0	4	123	19611	1	0	4	127	19835	1	0	4	130		
				Noteris	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		
96L		500mA	155		5W	20182	5	0	3	130	20689	5	0	3	133	20926	5	0	3	138		
302	20,000	30011171	155	100			FR	19187	2	0	2	124	19670	2	0	2	127	19895	2	0	2	130
	20,000				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		
				Clear lens	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

(Splancidications continued on page on 4)





West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR28-96L-315-4K7-FR

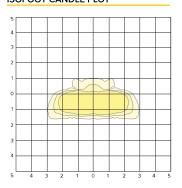
LUMINAIRE DATA

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

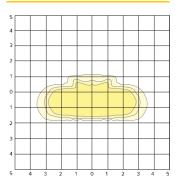
LUMINAIRE DATA

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

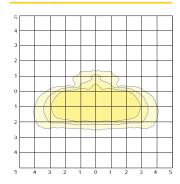
LUMINAIRE DATA

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



(Splancidications continued on page on 4)







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

PHOTOMETRY

UR28-96L-315-4K7-4

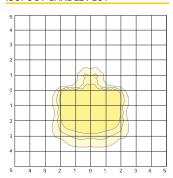
LUMINAIRE DATA

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

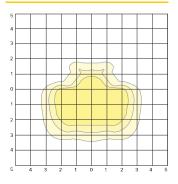
LUMINAIRE DATA

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

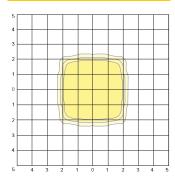
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	35669
Watts	315
Efficacy	113.2
IES Type	VS
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



(Splancidications continued on page on 4)







West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

PHOTOMETRY

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

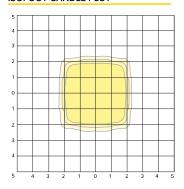
LUMINAIRE DATA

4000K, 70CRI
35267
315
112.0
vs
B5-U0-G1
30 ft
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

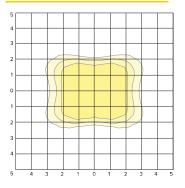
LUMINAIRE DATA

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

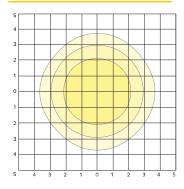
LUMINAIRE DATA

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



(Splancidications continued on page on 4)



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 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

322-559722

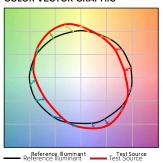
KIMLIGHTING

UR28

ARCHITECTURAL AREA/SITE

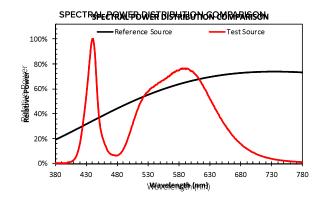
TM-30 DATA

COLOR VECTOR GRAPHIC



TEST SOURCE

Rf	68
Rg	99
CCT(K)	3947
Duv	0.0004
x	0.3831
у	0.3793
CIE Ra	72



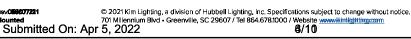
ELECTRICAL DATA

									Dimming								
Drive	LED	System	Line V	oltage			Amp	s AC			Min. Power	Max THD (%)		Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
Current	Count	Watts	VAC	Hz	120	208	240	277	347	480	Factor			Min	Max	Min	Max
500 mA	96	155			1.29	0.75	0.65	0.56	0.45	0.32			0 10% to 100%	OmA 1mA	1mA	OV	
430mA	114	160	1		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							10V
600 mA	96	185	120-480	50/60	1.54	0.89	0.77	0.67	0.53	0.39	>0.9	20					
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				

(Splantiations continued on page 4)





Submitted by Lighting Systems

IGHTING SYSTEMS

Job Name:

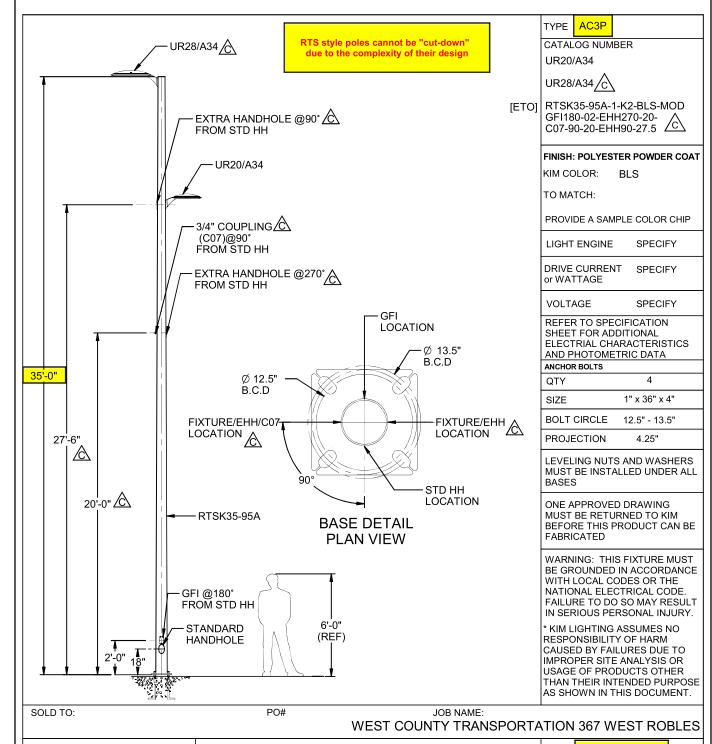
West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect: Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec.& Ltg.Cons. (San

Catalog Number: 22K-0053C-RTSK35-95A-1-K2-DBS-MOD GFI180-02-EHH270-20-C07-90-20-EHH90-27.5

Notes:

Type:

AC3P







CUSTOMER APPROVAL NEEDED PRIOR TO SHIPMENT OF FIXTURES



KIM LIGHTING

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

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

DATE	DRWN			
04/13/2022	PK			
DATE	APPRVD			
04/13/2022	AUG			
DATE	REV.			
06/07/2022	С			



West County Transportation 367 West Robles - Kim Lighting - Updated7.1.2022 Architect. Glass Architects (Santa Rosa) Engineer: O'Mahony & Myer Elec. & Ltg.Cons. (San Catalog Number: REPL-KIM/DR-GFCI

Notes:

уре:

POLES

22-559722

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.

2 Gleason Reel Corp. • 600 South Clark St., Mayville, WI 53050 • Phone: 920-387-4120 • www.hubbell.com/gleasonreel/en