

# UR20 EDGE-LIT

ARCHITECTURAL AREA/SITE

## FEATURES

- 20" size in post top, pole and wall mount
- High performance optics up to 16,091 delivered lumens
- Elegant form factor
- Edge-Lit Light Guide
- SiteSync™ and NX wireless control options
- UL/cUL listed for wet locations, IP66 and 1.5G and 4G vibration rated

Ouro™  
EDGE-LIT



Ouro Edge-Lit Arm Mount



3000K and warmer CCTs only

See Certification Specifications

## CONTROL TECHNOLOGY



## RELATED PRODUCTS

[Ouro Small Post Top](#)

[Ouro Large Post Top](#)

[Ouro Large Arm Mount](#)

## SPECIFICATIONS

### CONSTRUCTION

- Low copper aluminum alloy die-casting is designed as one-piece, low profile luminaire
- Molded silicone gasket throughout ensures the sealing between the two compartments and provides ingress protection
- Housing is designed with integral heat sink fins to aid in thermal transfer of the electrical components
- IK07 rated enclosure protects electrical equipment against external mechanical impacts
- All fasteners are stainless steel
- One-piece low copper aluminum alloy die-cast lens frame is secured to housing with a tool-less latch and integral offset hinge
- LEDs mount to a metal printed circuit board assembly (MCPCB)

### 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

### ELECTRICAL (CONTINUED)

- "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: 10kV and 20kA in series
- Wiring: No. 18AWM rated 105°C, wet rating

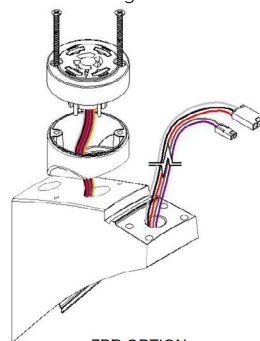
### CONTROLS

#### 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:

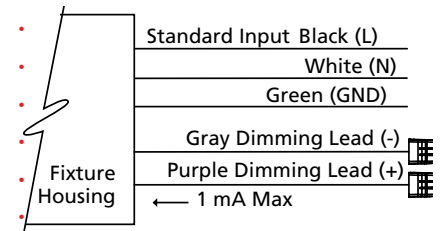
- Traditional on/off photoelectric control
- 5-pin wireless photoelectric control for added dimming feature



7PR OPTION

### CONTROLS (CONTINUED)

- 7-pin wireless photoelectric control for for dimming and additional I/O connections for customer use



### 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

(Specifications continued on page 3)

KEY DATA	
Lumen Range	3,105 - 16,091
Wattage Range	27.5 - 138.3W
Efficacy Range (LPW)	88.8 - 131.8 lm/W
Reported Life (Hours)	L70/>60,000
Weight	21 lbs - 9.5 Kg
EPA	0.372

# UR20 EDGE-LIT

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## ORDERING GUIDE

**Example:** UR20-96L-50-3K8-3-L-UNV-ASQ-BL-7PR-SWP

CATALOG #

### HOUSING

UR20											
Model	LED Engine	CCT	Distribution	Rotation	Voltage	Mounting					
UR20	Ouro	<b>Type 2M and 3</b>	<b>3K7</b> 3000K, 70 CRI	<b>2M</b> Type II Medium	<b>Blank</b> No rotation	<b>UNV</b> 120-277V	<b>ASQ</b> Arm Square pole				
		<b>96L-30</b> 30W, 3,000 lm	<b>3K8</b> 3000K, 80 CRI	<b>3</b> Type III Short	<b>L 1</b> Optic rotation left	<b>347</b> 347V	<b>A34</b> Arm mt 3.3-4.2" OD pole				
		<b>96L-50</b> 50W, 5,000 lm	<b>3K9</b> 3000K, 90 CRI	<b>5W</b> Type V Wide	<b>R 1</b> Optic rotation right	<b>480</b> 480V	<b>A46</b> Arm mt 4.5-6.0" OD pole				
		<b>96L-70</b> 70W, 7,000 lm	<b>4K7</b> 4000K, 70 CRI				<b>MAF</b> Horizontal Slip Fitter 2 3/8" OD arm				
		<b>96L-90</b> 90W, 9,000 lm	<b>4K8</b> 4000K, 80 CRI				<b>SVSF</b> Square Vertical Slipfitter for 2" Tenon (2-3/8" OD)				
		<b>96L-135</b> 135W, 12,000 lm	<b>5K7</b> 5000K, 70 CRI				<b>VSF</b> Round Vertical Slipfitter for 2" Tenon (2-3/8" OD)				
		<b>Type 5W</b>	Consult factory for other CCTs and CRIs				<b>WB</b> Wall Bracket				
		<b>192L-30</b> 30W, 3,000 lm									
		<b>192L-45</b> 45W, 5,000 lm									
		<b>192L-60</b> 60W, 7,000 lm									
		<b>192L-75</b> 75W, 9,000 lm									
		<b>192L-110</b> 110W, 12,000 lm									
		<b>192L-135</b> 135W, 15,000 lm									

Fixture Finish	Control Options	Options	Control Accessories
<b>BLS</b> Black Gloss Smooth	<b>7PR-TL</b> 7 pin PCR with twist lock photocontrol	<b>SF</b> Single Fuse	<b>SW7PR</b> SiteSync™ with 7 pin PCR <sup>3,5</sup>
<b>BLT</b> Black Matte Textured	<b>7PR-SC</b> 7 pin PCR with shorting cap	<b>DF</b> Double Fuse	<b>SWUSB</b> SiteSync™ Software on USB
<b>DBS</b> Dark Bronze Gloss Smooth	<b>7PR</b> 7 pin PCR, wireless control enabled	<b>TPL</b> Tamper Proof Latch	<b>SWTAB</b> SiteSync™ Windows Tablet
<b>DBT</b> Dark Bronze Matte Textured	<b>AD-01</b> AstroDIM: 50% output at midnight <sup>3</sup>		<b>SWBRG</b> SiteSync™ Wireless Bridge Node
<b>GTT</b> Graphite Matte Textured	<b>AD-02</b> AstroDIM: 50% output midnight to 4 AM <sup>3</sup>		<b>WIR-RME-L</b> wiSCAPE™ External Fixture Module
<b>LGS</b> Light Grey Gloss Smooth	<b>AD-03</b> AstroDIM: 50% output 10PM <sup>3</sup>		<b>NXOFM1R1D-UNV</b> NX™ 7-pin Module
<b>LGT</b> Light Grey Matte Textured	<b>AD-04</b> AstroDIM: 50% output 10PM to 4AM <sup>3</sup>		
<b>PSS</b> Platinum Silver Gloss Smooth	<b>NXWE</b> NX Wireless™ Enabled		
<b>VGT</b> Verde Green Matte Textured	<b>SWP</b> SiteSync™ Pre-commission <sup>3,4,5</sup>		
<b>WHS</b> White Gloss Smooth	<b>WSP-40F</b> Dimming Occ. Sensor for up to 40' MH, 120-480V		
<b>WHT</b> White Matte Textured			
<b>Color Option</b>			
<b>CC</b> Custom Color <sup>1</sup>			

1 Not available with 5W distributions.  
 2 Consult factory for custom color, marine and corrosive finish options  
 3 Not available with other sensor or wireless control options  
 4 Not available with 347V and 480V.  
 5 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.

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

**SPECIFICATIONS (CONTINUED)**

**CONTROLS (CONTINUED)**

**DIMMING (CONTINUED):**

- Dimming circuitry compatible with 0-10V, user-defined control devices
- Optional factory programmed dimming profile

**NX DISTRIBUTED INTELLIGENCE™**

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

**SITESYNC™**

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [Sitesync's product page](#) for more details

**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

**WISCAPE™**

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

**MOUNTING**

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

**SUPPORT ARM:**

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

**OPTIONAL 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:**

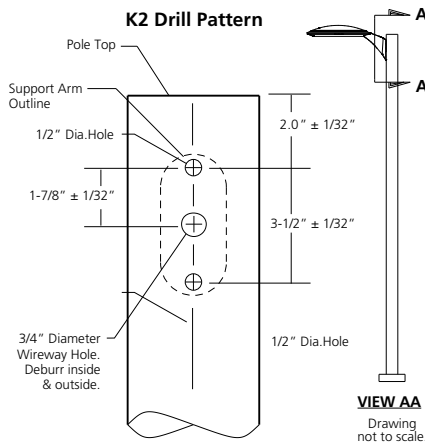
- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

**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 IK07
- IDA approved, 3000K and warmer CCTs only
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions](#)

**WARRANTY**

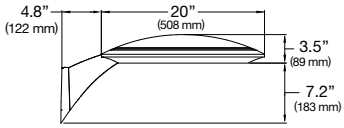
- 5 year warranty
- See [HLI Standard Warranty](#) for additional information



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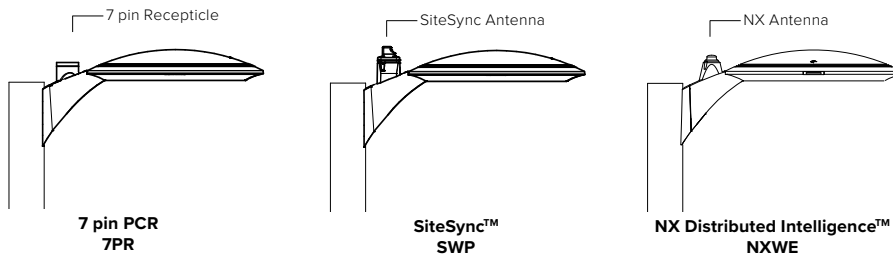
ARCHITECTURAL AREA/SITE

## DIMENSIONS



Weight: 32 lbs EPA: .372

## SENSOR PLACEMENT



## MOUNTING VIBRATION RATINGS

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

For the 4G 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

**UR20 EDGE-LIT**

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**DELIVERED LUMENS**

LEDs #	Lumens Package	Drive Current (mA)	Nominal Watts	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
96L	3,000	350	30	Type 2M	3105	2	0	2	110.1	3144	2	0	2	111.5	3176	2	0	2	112.6
	5,000	600	50		5076	3	0	3	108.9	5140	3	0	3	110.3	5192	3	0	3	111.4
	7,000	870	70		7206	3	0	3	104.3	7296	3	0	3	105.6	7370	3	0	3	106.7
	9,000	1150	90		9502	3	0	3	105.3	9622	3	0	3	106.7	9719	3	0	3	107.7
	12,000	800	135		12281	4	0	4	88.8	12435	4	0	4	89.9	12561	4	0	4	90.8
	3,000	350	30	Type 3	3369	1	0	2	119.5	3412	1	0	2	121.0	3446	1	0	2	122.2
	5,000	600	50		5507	1	0	2	118.2	5577	1	0	2	119.7	5633	1	0	2	120.9
	7,000	870	70		7818	2	0	3	113.1	7916	2	0	3	114.6	7996	2	0	3	115.7
	9,000	1150	90		10309	2	0	3	114.3	10439	2	0	3	115.7	10544	2	0	3	116.9
	12,000	800	135		13323	3	0	3	96.3	13491	3	0	3	97.5	13627	3	0	3	98.5
192L	3,000	350	30	Type 5W	3459	2	0	2	125.8	3503	2	0	2	127.4	3538	2	0	2	128.7
	5,000	560	45		5485	3	0	2	124.4	5554	3	0	2	125.9	5610	3	0	3	127.2
	7,000	800	60		7759	3	0	3	128.9	7857	3	0	3	130.5	7936	3	0	3	131.8
	9,000	960	75		9250	3	0	3	125.7	9366	3	0	3	127.3	9461	3	0	3	128.5
	12,000	680	110		12896	4	0	4	121.1	13058	4	0	4	122.6	13190	4	0	4	123.8
	15,000	840	135		15732	4	0	4	116.0	15930	4	0	4	117.5	16091	4	0	4	118.7

# UR20 EDGE-LIT

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## PHOTOMETRY

### UR20-96L-50-4K7-2M

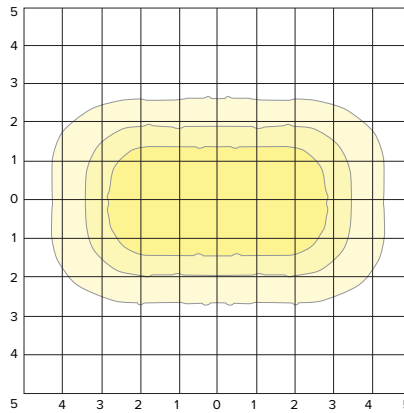
#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>5140</b>
Watts	<b>46.6</b>
Efficacy	<b>110.3</b>
IES Type	<b>III</b>
BUG Rating	<b>B3-U0-G3</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>10 ft</b>

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2570	50%
Downward House Side	2570	50%
Downward Total	5140	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	5140	100%

#### ISOFOOT CANDLE PLOT



### UR20-96L-50-4K7-3

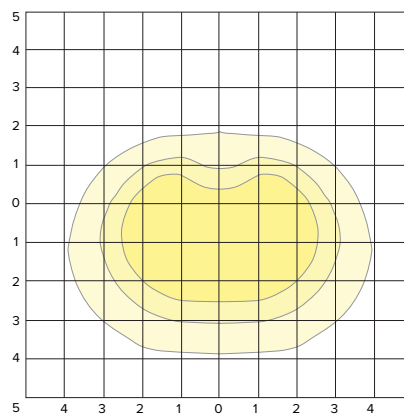
#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>5576</b>
Watts	<b>46.6</b>
Efficacy	<b>119.7</b>
IES Type	<b>IV</b>
BUG Rating	<b>B1-U0-G2</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>10 ft</b>

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4615	83%
Downward House Side	961	17%
Downward Total	5576	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	5576	100%

#### ISOFOOT CANDLE PLOT



### UR20-192L-75-4K7-5W

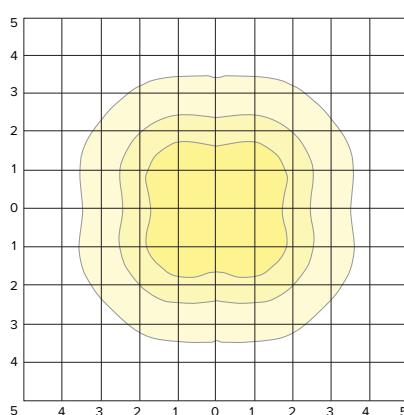
#### LUMINAIRE DATA

Description	<b>4000K, 70CRI</b>
Delivered Lumens	<b>9366</b>
Watts	<b>73.6</b>
Efficacy	<b>127.3</b>
IES Type	<b>VS</b>
BUG Rating	<b>B3-U0-G3</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>10 ft</b>

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4683	50%
Downward House Side	4683	50%
Downward Total	9366	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	9366	100%

#### ISOFOOT CANDLE PLOT

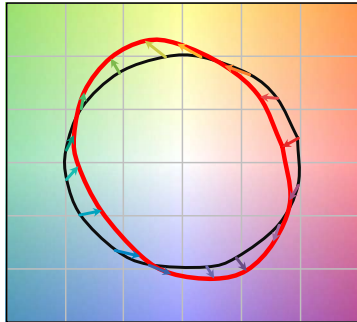


**UR20 EDGE-LIT**

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**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

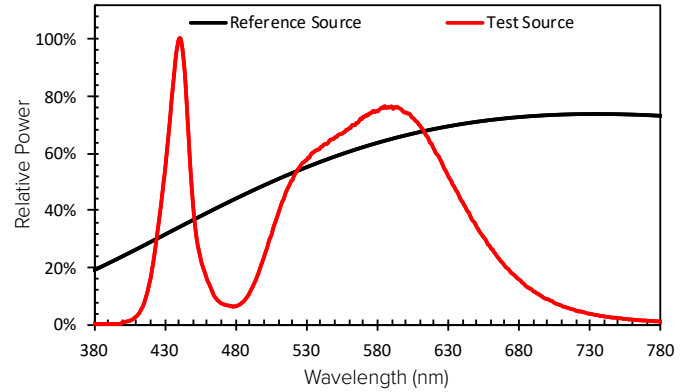


— Reference Illuminant — Test Source

**TEST SOURCE**

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

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Type 2M and 3											Dimming						
Drive Current (mA)	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
350	96L	28.2	120-480	50/60	0.24	0.14	0.12	0.10	0.08	0.06	>0.9	20	10% to 100%	0mA	1mA	0V	10V
600		0.39			0.22	0.19	0.17	0.13	0.10								
870		0.58			0.33	0.29	0.25	0.20	0.14								
1150		0.75			0.43	0.38	0.33	0.26	0.19								
800*		1.15			0.66	0.58	0.50	0.40	0.29								

Type 5W											Dimming						
Drive Current (mA)	LED Count	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
350	192L	27.5	120-480	50/60	0.23	0.13	0.11	0.10	0.08	0.06	>0.9	20	10% to 100%	0mA	1mA	0V	10V
560		0.37			0.21	0.18	0.16	0.13	0.09								
800		0.50			0.29	0.25	0.22	0.17	0.13								
960		0.61			0.35	0.31	0.27	0.21	0.15								
680*		0.89			0.51	0.44	0.38	0.31	0.22								
840*		1.13			0.65	0.57	0.49	0.39	0.28								

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%	93.6%	91.5%	89.0%	80.4%	60khrs

CRI Lumen Multiplier	
CCT	80 CRI
3000K	0.9119
4000K	0.8941

\* Multiple drivers used for this output, drive current listed is per driver