

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
- NX wireless control options
- UL/cUL listed for wet locations, IP66 and 1.5G and 4G vibration rated

Ouro™
EDGE - LIT



CONTROL TECHNOLOGY



RELATED PRODUCTS

Ouro Small Post Top

Ouro Large Post Top

Ouro Large Arm Mount

SPECIFICATIONS

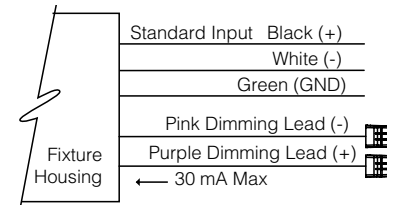
CONSTRUCTION

- 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)

- 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 (CONTINUED)

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



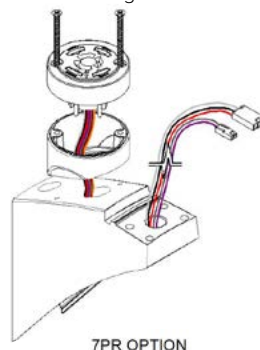
CONTROLS

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



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

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

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ORDERING GUIDE

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

CATALOG #

HOUSING

UR20		LED Engine		CCT		Distribution		Rotation		Voltage		Mounting	
UR20	Ouro	Type 2M and 3		3K7	3000K, 70 CRI	2M ⁶	Type II Medium	Blank	No rotation	UNV	120-277V	ASQ	Arm Square pole
		96L-30	30W, 3,000 lm	3K8	3000K, 80 CRI	3 ⁶	Type III Short	L ¹	Optic rotation left	347	347V	A34	Arm mt 3.3-4.2" OD pole
		96L-50	50W, 5,000 lm	3K9	3000K, 90 CRI	5W ⁷	Type V Wide	R ¹	Optic rotation right	480	480V	A46	Arm mt 4.5-6.0" OD pole
		96L-70	70W, 7,000 lm	4K7	4000K, 70 CRI							MAF	Horizontal Slip Fitter 2 3/8" OD arm
		96L-90	90W, 9,000 lm	4K8	4000K, 80 CRI							SVSF	Square Vertical Slipfitter for 2" Tenon (2-3/8"OD)
		96L-135	135W, 12,000 lm	5K7	5000K, 70 CRI							VSF	Round Vertical Slipfitter for 2" Tenon (2-3/8"OD)
		Type 5W		Consult factory for other CCTs and CRIs								WB	Wall Bracket
		192L-30	30W, 3,000 lm										
		192L-45	45W, 5,000 lm										
		192L-60	60W, 7,000 lm										
		192L-75	75W, 9,000 lm										
		192L-110	110W, 12,000 lm										
		192L-135	135W, 15,000 lm										

Fixture Finish		Control Options		Options		Control Accessories	
BLS	Black Gloss Smooth	7PR-TL	7 pin PCR with twist lock photocontrol	SF	Single Fuse	WIR-RME-L	wISCAPE™ External Fixture Module
BLT	Black Matte Textured	7PR-SC	7 pin PCR with shorting cap	DF	Double Fuse	NXOFM1R1D-UNV	NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming
DBS	Dark Bronze Gloss Smooth	7PR	7 pin PCR, wireless control enabled	TPL	Tamper Proof Latch		
DBT	Dark Bronze Matte Textured	AD-01	AstroDIM: 50% output at midnight ³				
GTT	Graphite Matte Textured	AD-02	AstroDIM: 50% output midnight to 4 AM ³				
LGS	Light Grey Gloss Smooth	AD-03	AstroDIM: 50% output 10PM ³				
LGT	Light Grey Matte Textured	AD-04	AstroDIM: 50% output 10PM to 4AM ³				
PSS	Platinum Silver Gloss Smooth	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor				
VGT	Verde Green Matte Textured	WSP-40F	Dimming Occ. Sensor for up to 40' MH, 120-480V				
WHS	White Gloss Smooth						
WHT	White Matte Textured						
Color Option							
CC	Custom Color ¹						

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.
 6 Only available with 96L.
 7 Only available with 192L.

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ARCHITECTURAL AREA/SITE

SPECIFICATIONS (CONTINUED)

CONTROLS (CONTINUED)

DIMMING (CONTINUED):

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

NX LIGHTING CONTROLS

NX lighting controls 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

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™

- 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 wired 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:

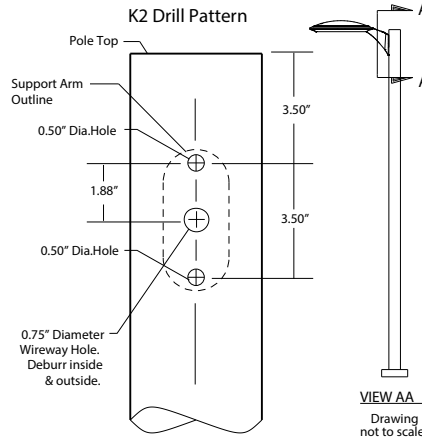
- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts

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

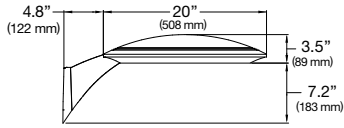
- 5 year warranty



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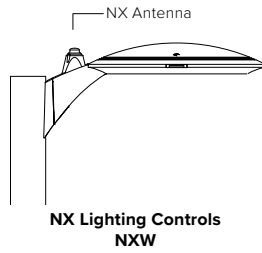
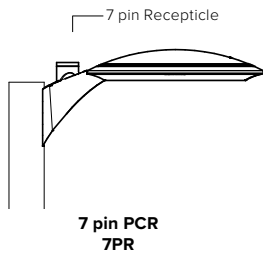
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DIMENSIONS



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

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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

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PHOTOMETRY

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

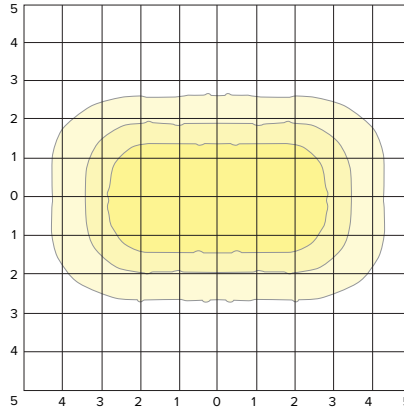
LUMINAIRE DATA

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

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

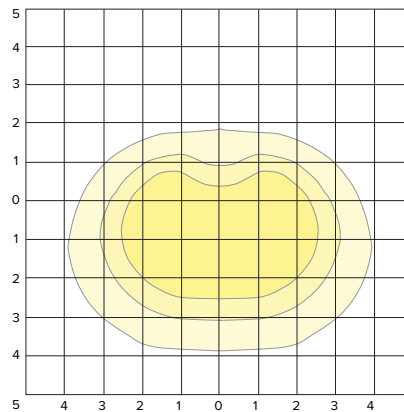
LUMINAIRE DATA

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

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

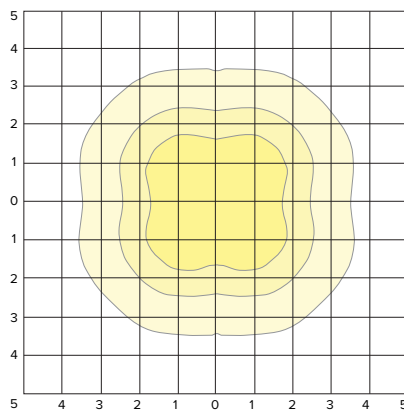
LUMINAIRE DATA

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

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%

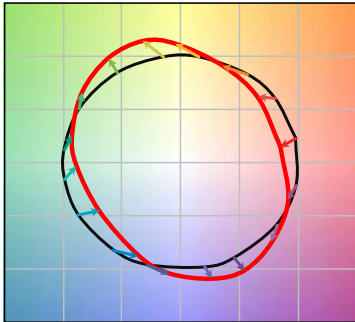
ISOFOOT CANDLE PLOT



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TM-30 DATA

COLOR VECTOR GRAPHIC

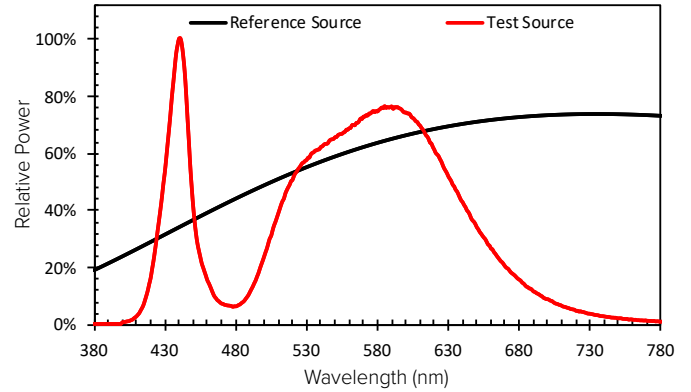


— Reference Illuminant — Test Source

TEST SOURCE

R _f	68
R _g	99
CCT(K)	3947
D _{uv}	0.0004
x	0.3831
y	0.3793
CIE R _a	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