

# UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

**ouro™**  
EDGE-LIT

## FEATURES

- 20" size in single/dual arm post top, pole and wall mount
- High performance optics up to 15,227 delivered lumens
- Elegant form factor
- Edge-Lit Light Guide
- NX lighting controls
- UL/cUL listed for wet locations, IP66 and 4G/1.5G vibration rated



3000K and warmer CCTs only

## CONTROL TECHNOLOGY



**LIGHTGRID+**

## 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 component
- IK07 rated enclosure protects electrical equipment against external mechanical impacts
- All fasteners are stainless steel
- Cover is secured to lens frame by the latch and hinge
- 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  $\pm 10\%$  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

### ELECTRICAL (CONTINUED)

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



|      | Weight           | EPA                    |
|------|------------------|------------------------|
| UR20 | 24 lbs / 10.9 kg | 0.512 ft. <sup>2</sup> |

### 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 5)



# UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

ORDERING GUIDE

Example: UR20-96L-50-3K8-3-UNV-FMSA33-BLS-7PR

CATALOG #

HOUSING

| UR20  |      |                    |   |                                |                     |              |  |
|-------|------|--------------------|---|--------------------------------|---------------------|--------------|--|
| Model |      | LED Engine         | CCT                                     | Distribution                   | Rotation            | Voltage      | Mounting   |
| UR20  | Ouro | Type 2M and 3      | 3K7 3000K, 70 CRI                       | 2M <sup>5</sup> Type II Medium | (Blank) No rotation | UNV 120-277V | FM33 Flush mt 3.0" OD pole, 3" fixture base                                |
|       |      | 96L-30 3,000 lm    | 3K8 3000K, 80 CRI                       | 3 <sup>5</sup> Type III Short  |                     | 347 347V     | FM44 Flush mt 3.6" to 4.0" OD pole, 4" fixture base                        |
|       |      | 96L-50 5,000 lm    | 3K9 3000K, 90 CRI                       | 5W <sup>6</sup> Type V Wide    |                     | 480 480V     | PT23 3" Post Top mount for 2-3/8" OD x 4" Long Tenon                       |
|       |      | 96L-70 7,000 lm    | 4K7 4000K, 70 CRI                       |                                |                     |              | PT24 4" Post Top mount for 2-3/8" OD x 4" Long Tenon                       |
|       |      | 96L-90 9,000 lm    | 4K8 4000K, 80 CRI                       |                                |                     |              | PT34 4" Post Top mount for 2-7/8" OD x 4" Long Tenon                       |
|       |      | 96L-135 12,000 lm  | 5K7 5000K, 70 CRI                       |                                |                     |              | FMSA33 Solo Arm Post Top Flush Mount 3.0" OD Pole, 3" fixture base         |
|       |      | Type 5W            | Consult factory for other CCTs and CRIs |                                |                     |              | FMSA44 Solo Arm Post Top Flush Mount 3.6" to 4.0" OD Pole, 4" fixture base |
|       |      | 192L-30 3,000 lm   |   |                                |                     |              | PTSA23 3" Solo Arm Post Top Mount for 2-3/8" OD x 4" Long Tenon            |
|       |      | 192L-45 5,000 lm   |   |                                |                     |              | PTSA24 4" Solo Arm Post Top Mount for 2-3/8" OD x 4" Long Tenon            |
|       |      | 192L-60 7,000 lm   |   |                                |                     |              | PTSA34 4" Solo Arm Post Top Mount for 2-7/8" OD x 4" Long Tenon            |
|       |      | 192L-75 9,000 lm   |   |                                |                     |              |  |
|       |      | 192L-110 12,000 lm |   |                                |                     |              |  |
|       |      | 192L-135 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           | LightGRID+™ 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 <sup>2</sup> | AstroDIM: 50% output at midnight   | WBFM3                | Wall Bracket Arm for FM33 or FMSA33 |                     |   |
| GTT             | Graphite Matte Textured      | AD-02 <sup>2</sup> | AstroDIM: 50% output midnight to 4 AM  | WBFM4                | Wall Bracket Arm for FM44 or FMSA44 |                     |   |
| LGS             | Light Grey Gloss Smooth      | AD-03 <sup>2</sup> | AstroDIM: 50% output 10PM  | TAFM3 <sup>7,9</sup> | Twin Arm mount for FM33 or FMSA33   |                     |   |
| LGT             | Light Grey Matte Textured    | AD-04 <sup>2</sup> | AstroDIM: 50% output 10PM to 4AM   |                      | Twin Arm mount for FM44 or FMSA44   |                     |   |
| PSS             | Platinum Silver Gloss Smooth | NXW <sup>8</sup>   | NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor | TAFM4 <sup>7,9</sup> |                                     |                     |   |
| VGT             | Verde Green Matte Textured   |                    |  |                      |                                     |                     |   |
| WHS             | White Gloss Smooth           | WSP-40F            | Dimming Occ. Sensor for up to 40' MH, 120-480V                                     |                      |                                     |                     |   |
| WHT             | White Matte Textured         |                    |  |                      |                                     |                     |   |
| Color Option    |                              |                    |  |                      |                                     |                     |   |
| CC <sup>1</sup> | Custom Color                 |                    |  |                      |                                     |                     |   |

1 Consult factory for custom color, marine and corrosive finish options

2 Not available with other sensor or wireless control options.

4 Not available with 347V and 480V.

5 Only available with 96L.

6 Only available with 192L.

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

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

9 Order one for each pair of fixtures per pole.

# UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

## OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY

LIGHTGRID<sup>+</sup>



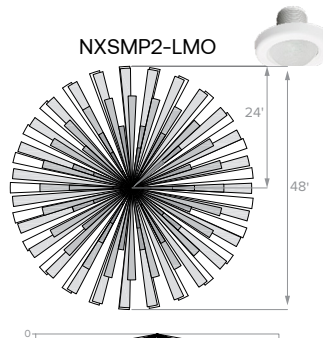
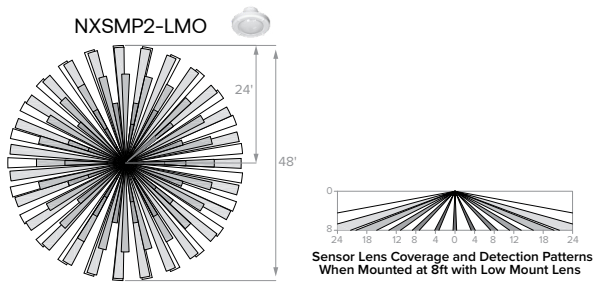
| Control Option Ordering<br>Logic & Description |               | Control Option Functionality |          |            |                                    |                        |               |                |                              |                  | Control Option<br>Components |
|--|---------------|------------------------------|----------|------------|------------------------------------|------------------------|---------------|----------------|------------------------------|------------------|------------------------------|
|  |               | Networkable                  | Grouping | Scheduling | Occupancy/<br>Motion               | Daylight<br>Harvesting | 0-10V Dimming | On/Off Control | Bluetooth App<br>Programming | Sensor<br>Height |                              |
| NX Wireless                                    | NXOFM1R1D-UNV | ✓                            | ✓        | ✓          | Paired with<br>external<br>control | ✓                      | ✓             | ✓              | ✓                            | -                | NXOFM1R1D-UNV                |
|  | NXW           | ✓                            | ✓        | ✓          | -                                  | -                      | ✓             | ✓              | ✓                            | -                | NXRM2-H                      |
|  | NXWS16F       | ✓                            | ✓        | ✓          | ✓                                  | ✓                      | ✓             | ✓              | ✓                            | 16ft             | NXSMP2-LMO                   |
|  | NXWS40F       | ✓                            | ✓        | ✓          | ✓                                  | ✓                      | ✓             | ✓              | ✓                            | 40ft             | NXSMP2-HMO                   |

## DEFAULT SETTINGS

|                                       |                              |            |
|---------------------------------------|------------------------------|------------|
| NX Wireless                           | Occupancy Sensor             | Enabled    |
|                                       | Occupancy Sensor Sensitivity | 7          |
|                                       | Occupancy Sensor Timeout     | 15 Minutes |
|                                       | Occupied Dim Level           | 100%       |
|                                       | Unoccupied Dim Level         | 0%         |
|                                       | Daylight Sensor              | Disabled   |
|                                       | Bluetooth                    | Enabled    |
|                                       | 2.4GHz Wireless Mesh         | On         |
| "Passcode Factory Passcode: HubbN3T!" |                              | Enabled    |

|             |                              |           |
|-------------|------------------------------|-----------|
| Stand Alone | Occupancy Sensor             | Enabled   |
|             | Occupancy Sensor Sensitivity | 7         |
|             | Occupancy Sensor Timeout     | 8 Minutes |
|             | Occupied Dim Level           | 100%      |
|             | Unoccupied Dim Level         | 50%       |
|             | Daylight Sensor              | Disabled  |

## NX WIRELESS COVERAGE PATTERNS



## NX LIGHTING CONTROLS FREE APP

## CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: [https://play.google.com/store/apps/details?id=io.cordova.NX8TR&hl=en\\_US&gl=US](https://play.google.com/store/apps/details?id=io.cordova.NX8TR&hl=en_US&gl=US)





Apple App



Google Play

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

|             | Control Option Ordering<br>Logic & Description |                                    | Control Option Functionality |          |                                    |                      |                                    |               |                                    |                              |                  | Control Option<br>Components   |
|-------------|--|------------------------------------|------------------------------|----------|------------------------------------|----------------------|------------------------------------|---------------|------------------------------------|------------------------------|------------------|--|
|             |  |                                    | Networkable                  | Grouping | Scheduling                         | Occupancy/<br>Motion | Daylight<br>Harvesting             | 0-10V Dimming | On/Off Control                     | Bluetooth App<br>Programming | Sensor<br>Height |  |
| Independent | AD   | AutoDIM Time of Day Dimming        | -                            | -        | ✓                                  | -                    | -                                  | -             | ✓                                  | -                            | -                | ADT  |
|             | 7PR  | 7-Pin Receptacle                   | -                            | -        | Paired with<br>external<br>control | -                    | Paired with<br>external<br>control | -             | Paired with<br>external<br>control | -                            | -                | 7PR  |
|             | 7PR-SC   | 7-Pin Receptacle with shorting cap | -                            | -        | -                                  | -                    | -                                  | -             | -                                  | -                            | -                |  7PR-SC |
|             | 7PR-TL   | 7-Pin with photocontrol            | -                            | -        | -                                  | -                    | ✓                                  | -             | ✓                                  | -                            | -                |  7PR-TL |

UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

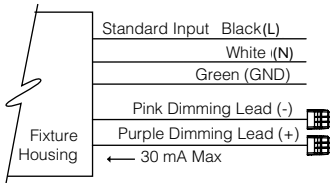
|            |           |
|------------|-----------|
| DATE:      | LOCATION: |
| TYPE:      | PROJECT:  |
| CATALOG #: |           |

SPECIFICATIONS (CONTINUED)

CONTROLS (CONTINUED)

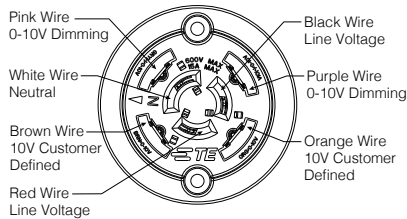
DIMMING (CONTINUED)

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



NX 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



LightGRID+™

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

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:

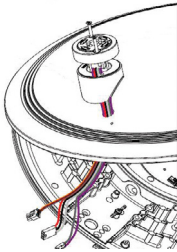
- SF for 120, 277, and 347 Line volts

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 rated
- RoHS compliant

WARRANTY

- 5 year warranty

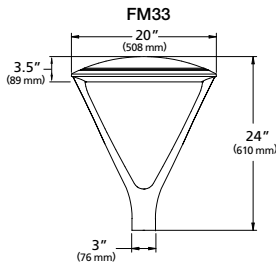


7-Pin receptacle placement

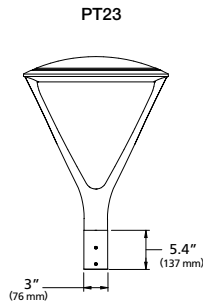
# UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

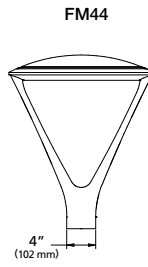
## DIMENSIONS



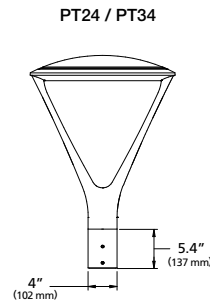
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EPA: N/A

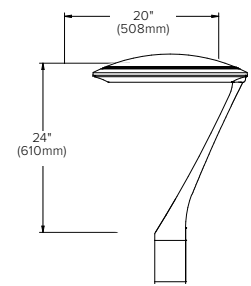


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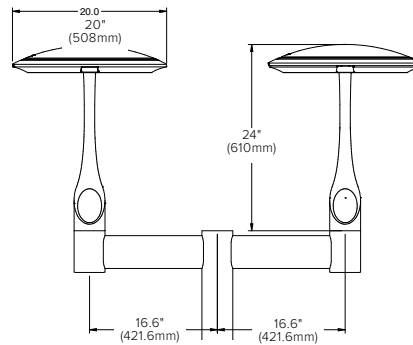
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**FMSA33/PTSA23  
FMSA34, PTSA24, PTSA34**

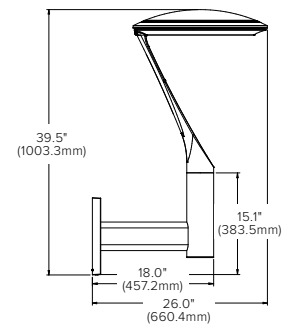


| ARM    | DIAMETER                     |
|--------|------------------------------|
| FMSA33 | 3" diameter                  |
| FMSA44 | 4" diameter                  |
| PTSA23 | 3" diameter with Tenon mount |
| PTSA24 | 4" diameter with Tenon mount |
| PTSA34 | 4" diameter with tenon mount |

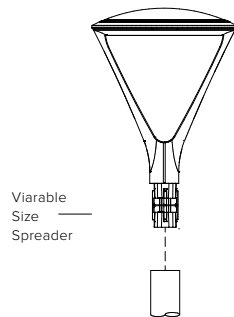
**TAFM3/TAFM4**



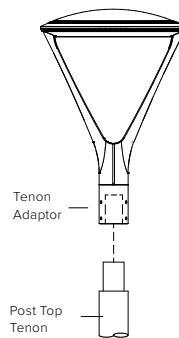
**WBFM3/WBFM4**



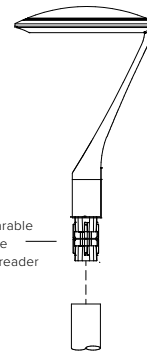
## MOUNTING INSTALLATION



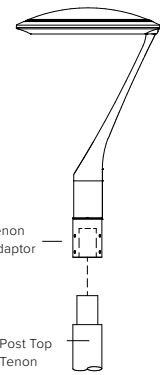
Flush Mount  
FM33/44



Post Top  
PT23/24/34

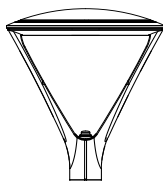


Flush Mount  
FMSA33/34

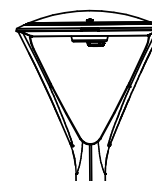


Post Top  
PTSA23/24/34

## SENSOR PLACEMENT



NXW



WSP-40F

## MOUNTING VIBRATION RATINGS

| UR 20 Arm     |        | UR 20 Post Top |        | UR 20 Solo Arm |        |
|---------------|--------|----------------|--------|----------------|--------|
| Ordering Code | Rating | Ordering Code  | Rating | Ordering Code  | Rating |
| ASQ           | 4G     | FM33           | 4G     | FMSA33         | 1.5G   |
| A34           | 4G     | FM44           | 1.5G   | FMSA44         | 1.5G   |
| A46           | 4G     | PT23           | 4G     | PTSA23         | 1.5G   |
| MAF           | 4G     | PT24           | 4G     | PTSA24         | 1.5G   |
|               |        | PT34           | 1.5G   | PTSA34         | 1.5G   |

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

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

UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

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      | 2958        | 2          | 0 | 2 | 104.9 | 2995        | 2          | 0 | 2 | 106.2 | 3025        | 2          | 0 | 2 | 107.3 |
|        | 5,000          | 600                | 50            |              | 4835        | 3          | 0 | 3 | 103.7 | 4896        | 3          | 0 | 3 | 105.1 | 4945        | 3          | 0 | 3 | 106.1 |
|        | 7,000          | 870                | 70            |              | 6862        | 3          | 0 | 3 | 99.3  | 6949        | 3          | 0 | 3 | 100.6 | 7019        | 3          | 0 | 3 | 101.6 |
|        | 9,000          | 1150               | 90            |              | 9050        | 3          | 0 | 3 | 100.3 | 9163        | 3          | 0 | 3 | 101.6 | 9256        | 3          | 0 | 3 | 102.6 |
|        | 12,000         | 800                | 135           |              | 11696       | 4          | 0 | 4 | 84.6  | 11843       | 4          | 0 | 4 | 85.6  | 11963       | 4          | 0 | 4 | 86.5  |
|        | 3,000          | 350                | 30            | Type 3       | 3326        | 1          | 0 | 2 | 117.9 | 3368        | 1          | 0 | 2 | 119.4 | 3402        | 1          | 0 | 2 | 120.6 |
|        | 5,000          | 600                | 50            |              | 5437        | 1          | 0 | 2 | 116.7 | 5505        | 1          | 0 | 2 | 118.1 | 5561        | 1          | 0 | 2 | 119.3 |
|        | 7,000          | 870                | 70            |              | 7718        | 2          | 0 | 3 | 111.7 | 7815        | 2          | 0 | 3 | 113.1 | 7894        | 2          | 0 | 3 | 114.2 |
|        | 9,000          | 1150               | 90            |              | 10178       | 2          | 0 | 3 | 112.8 | 10306       | 2          | 0 | 3 | 114.3 | 10410       | 2          | 0 | 3 | 115.4 |
|        | 12,000         | 800                | 135           |              | 13154       | 3          | 0 | 4 | 95.1  | 13319       | 3          | 0 | 4 | 96.3  | 13454       | 3          | 0 | 4 | 97.3  |
| 192L   | 3,000          | 350                | 30            | Type 5W      | 3273        | 2          | 0 | 2 | 119.0 | 3315        | 2          | 0 | 2 | 120.5 | 3348        | 2          | 0 | 2 | 121.7 |
|        | 5,000          | 560                | 45            |              | 5191        | 3          | 0 | 2 | 117.7 | 5256        | 3          | 0 | 2 | 119.2 | 5309        | 3          | 0 | 2 | 120.4 |
|        | 7,000          | 800                | 60            |              | 7343        | 3          | 0 | 3 | 122.0 | 7435        | 3          | 0 | 3 | 123.5 | 7510        | 3          | 0 | 3 | 124.8 |
|        | 9,000          | 960                | 75            |              | 8753        | 3          | 0 | 3 | 118.9 | 8863        | 3          | 0 | 3 | 120.4 | 8953        | 3          | 0 | 3 | 121.6 |
|        | 12,000         | 680                | 110           |              | 12204       | 4          | 0 | 3 | 114.6 | 12357       | 4          | 0 | 4 | 116.0 | 12482       | 4          | 0 | 4 | 117.2 |
|        | 15,000         | 840                | 135           |              | 14887       | 4          | 0 | 4 | 109.8 | 15075       | 4          | 0 | 4 | 111.2 | 15227       | 4          | 0 | 4 | 112.3 |

# UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

## PHOTOMETRY

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

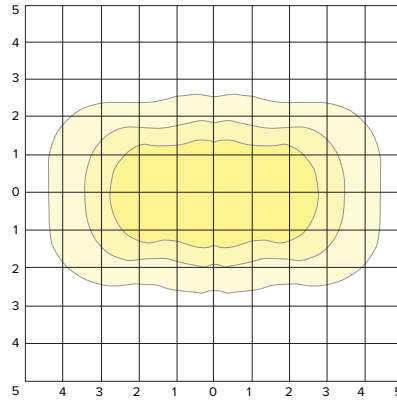
#### LUMINAIRE DATA

|                  |              |
|------------------|--------------|
| Description      | 4000K, 70CRI |
| Delivered Lumens | 4896         |
| Watts            | 46.6         |
| Efficacy         | 105.1        |
| 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 | 2448   | 50%         |
| Downward House Side  | 2448   | 50%         |
| Downward Total       | 4896   | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 4896   | 100%        |

#### ISOFOOT CANDLE PLOT



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

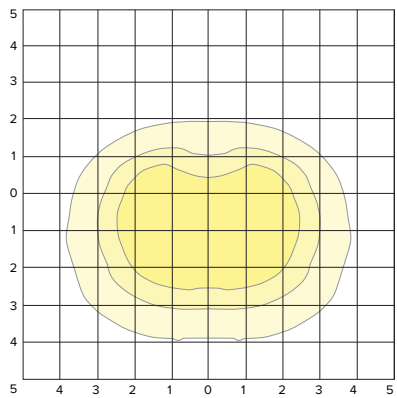
#### LUMINAIRE DATA

|                  |              |
|------------------|--------------|
| Description      | 4000K, 70CRI |
| Delivered Lumens | 5505         |
| Watts            | 46.6         |
| Efficacy         | 118.1        |
| 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 | 4433   | 80%         |
| Downward House Side  | 1072   | 20%         |
| Downward Total       | 5505   | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 5505   | 100%        |

#### ISOFOOT CANDLE PLOT



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

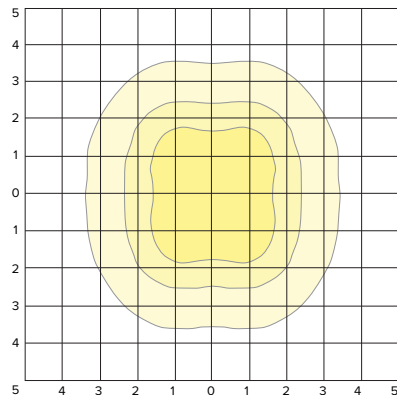
#### LUMINAIRE DATA

|                  |              |
|------------------|--------------|
| Description      | 4000K, 70CRI |
| Delivered Lumens | 8863         |
| Watts            | 73.6         |
| Efficacy         | 120.4        |
| 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 | 4432   | 50%         |
| Downward House Side  | 4432   | 50%         |
| Downward Total       | 8863   | 100%        |
| Upward Street Side   | 0      | 0%          |
| Upward House Side    | 0      | 0%          |
| Upward Total         | 0      | 0%          |
| Total Flux           | 8863   | 100%        |

#### ISOFOOT CANDLE PLOT



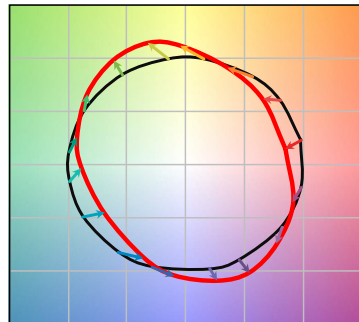


# UR20 EDGE-LIT Post Top

ARCHITECTURAL AREA/SITE

## TM-30 DATA

### COLOR VECTOR GRAPHIC

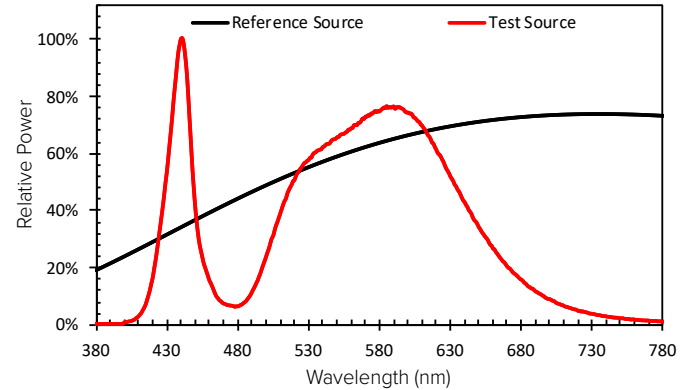


— Reference Illuminant — Test Source

### TEST SOURCE

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

### SPECTRAL POWER DISTRIBUTION COMPARISON



## ELECTRICAL DATA

| 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                |           | 46.6         |              |       | 0.39    | 0.22 | 0.19 | 0.17 | 0.13 | 0.10 |                   |             |               |                             |     |                                     |     |
| 870                |           | 69.1         |              |       | 0.58    | 0.33 | 0.29 | 0.25 | 0.20 | 0.14 |                   |             |               |                             |     |                                     |     |
| 1150               |           | 90.2         |              |       | 0.75    | 0.43 | 0.38 | 0.33 | 0.26 | 0.19 |                   |             |               |                             |     |                                     |     |
| 800*               |           | 138.3        |              |       | 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 |
| 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                |           | 44.1         |              |       | 0.37    | 0.21 | 0.18 | 0.16 | 0.13 | 0.09 |                   |             |               |                             |     |                                     |     |     |
| 800                |           | 60.2         |              |       | 0.50    | 0.29 | 0.25 | 0.22 | 0.17 | 0.13 |                   |             |               |                             |     |                                     |     |     |
| 960                |           | 73.6         |              |       | 0.61    | 0.35 | 0.31 | 0.27 | 0.21 | 0.15 |                   |             |               |                             |     |                                     |     |     |
| 680*               |           | 106.5        |              |       | 0.89    | 0.51 | 0.44 | 0.38 | 0.31 | 0.22 |                   |             |               |                             |     |                                     |     |     |
| 840*               |           | 135.6        |              |       | 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                | 0.9408 |
| 4000K                | 0.9067 |

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