

## Area Street Light: Low Wattage C0820-S Series



|                |         |
|----------------|---------|
| project name   | type    |
| catalog number |         |
| comments       | voltage |
| approved by    | date    |

50-  
240  
watts

100  
lpw

4000K/  
5000K  
color temp

120-277/  
347-480  
AC Input  
Voltage

### features

- Highly efficient LED Area Lighter – as much as 105 lpw
- Patented individual LED heatsink provides unrivaled thermal control
- Superior optical control through a proprietary lensing process
- Optional dimmability: 0-100%, 2-Level
- >90% of initial light output after 60,000 hrs
- Wide range of wattages: 50W to 240W
- Wide temperature range from -40°C (-40°F) to 55°C (131°F)
- Typically replaces 100W-400W HID
- Choice of 4000K or 5000K color temperature

### performance

- IESNA types, IIM, IIS, III, V
- Custom beam pattern (optional)
- CRI > 70
- Power Input: 120-277 VAC 50/60Hz
- Power Factor: ≥95%
- THD <20% at full load
- 0-100% dimming control (optional)
- Operates in -40°C to 55°C ambient temperature
- Available in 120-277V

### applications

- Parking Areas
- Automotive Dealerships
- Roadways
- Campuses
- Streetscapes
- Airports
- Area security lighting

### ordering information C0820-S Series

Example: C0820 - 160 - S - BR - 50K - N18 - 6BRNU

| 1. Model | 2. Wattage                                                                                                                                                                                                                                                           | 3. Type                | 4. Mounting                                                  | 5. CCT                     | 6. Lens                                | 7. Current | 8. Finish                                                           | 9. Options                                                                                                                           | 10. Voltage                              |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------|----------------------------|----------------------------------------|------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| ✓C0820   | ✓50 - 50W, 5,000 Lumens<br>✓80 - 80W, 8,000 Lumens<br>✓100 - 100W, 10,000 Lumens<br>✓120 - 120W, 12,000 Lumens<br>✓160 - 160W, 16,000 Lumens<br>✓180 - 180W, 18,000 Lumens<br>✓200 - 200W, 20,000 Lumens<br>✓220 - 220W, 22,000 Lumens<br>✓240 - 240W, 24,000 Lumens | ✓S - Square Area Light | BR - Cross<br>CR - Aligned<br>DR - Square Arm<br>SP - Spider | 40K - 4000K<br>50K - 5000K | N64<br>N34<br>N31<br>N27<br>N18<br>N16 | 6 - 600mA  | WH - White<br>SL - Silver<br>BR - Bronze<br>GR - Grey<br>BL - Black | N - None<br>TL - Twist Lock Photocell<br>120-277V<br>P - Button Type Photocell<br>120-277V<br>D - 0-10V Dimming<br>2L - Step Dimming | U - 120-277V<br>347 - 347V<br>480 - 480V |

\*Additional Bracket Charges Apply

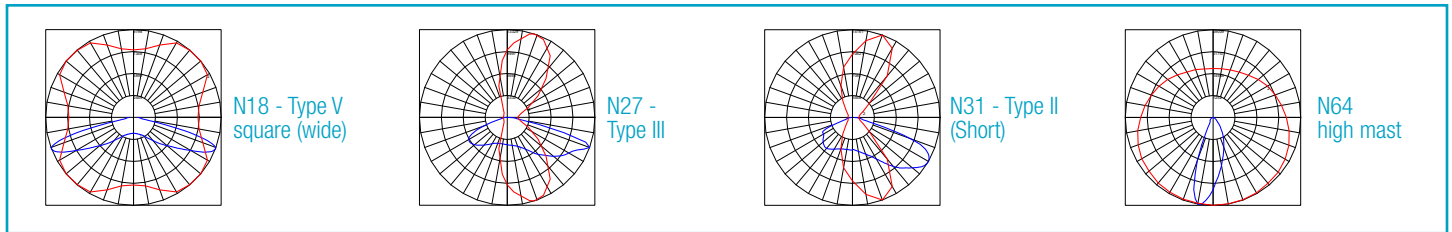
✓ DesignLights Consortium® Qualified



RoHS  
Compliant

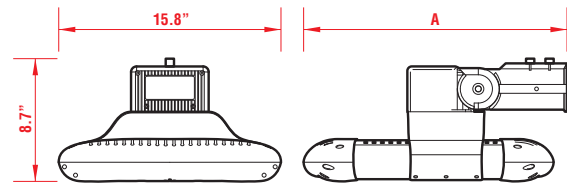
## Area Street Light: Low Wattage C0820-S Series

### lens



### performance

BR - 2-3/8" Adjustable Knuckle Slipfitter



| Wattage                | 40W      | 50W      | 70W      | 80W      | 90W      | 100W     | 120W     | 130W     | 150W     | 160W     | 170W     | 180W     | 200W     | 210W     | 220W     | 240W     |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| # of LEDs              | 30       | 40       | 50       | 60       | 70       | 80       | 90       | 100      | 110      | 120      | 130      | 140      | 150      | 160      | 170      | 180      |
| Dim. of "A"            | 16.0"    | 17.0"    | 17.0"    | 17.0"    | 18.3"    | 19.7"    | 20.1"    | 21.5"    | 22.8"    | 24.2"    | 25.6"    | 27.0"    | 28.3"    | 29.7"    | 31.1"    | 32.5"    |
| Weight                 | 16.8 lbs | 17.6 lbs | 18.1 lbs | 19.0 lbs | 19.6 lbs | 20.3 lbs | 21.2 lbs | 22.3 lbs | 23.1 lbs | 24.3 lbs | 27.3 lbs | 28.0 lbs | 29.3 lbs | 30.6 lbs | 31.5 lbs | 32.6 lbs |
| EPA (ft <sup>2</sup> ) | 0.72     | 0.72     | 0.72     | 0.72     | 0.72     | 0.84     | 0.84     | 0.84     | 0.96     | 0.96     | 0.96     | 0.96     | 1.08     | 1.08     | 1.08     | 1.08     |

### type



BR - Mounting arm



CR - Mounting arm

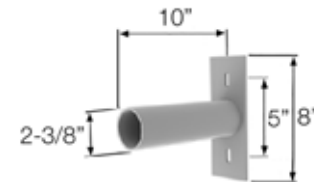


DR - Mounting arm

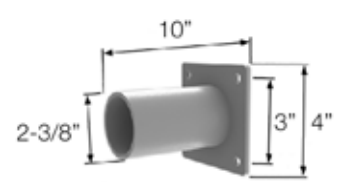


SP - Spider Mount

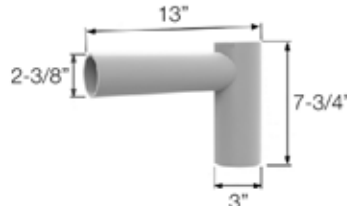
### accessories



T01 - 2-3/8" tenon side of square pole mount



T02 - 2-3/8" tenon wall mount



T03 - 2-3/8" tenon to slipfitter adapter



T06 - square to round pole adapter

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