

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 ✓80 - 80W, 8,000 Lumens ✓100 - 100W, 10,000 Lumens ✓120 - 120W, 12,000 Lumens ✓160 - 160W, 16,000 Lumens ✓180 - 180W, 18,000 Lumens ✓200 - 200W, 20,000 Lumens ✓220 - 220W, 22,000 Lumens ✓240 - 240W, 24,000 Lumens	✓S - Square Area Light	BR - Cross CR - Aligned DR - Square Arm SP - Spider	40K - 4000K 50K - 5000K	N64 N34 N31 N27 N18 N16	6 - 600mA	WH - White SL - Silver BR - Bronze GR - Grey BL - Black	N - None TL - Twist Lock Photocell 120-277V P - Button Type Photocell 120-277V D - 0-10V Dimming 2L - Step Dimming	U - 120-277V 347 - 347V 480 - 480V

*Additional Bracket Charges Apply

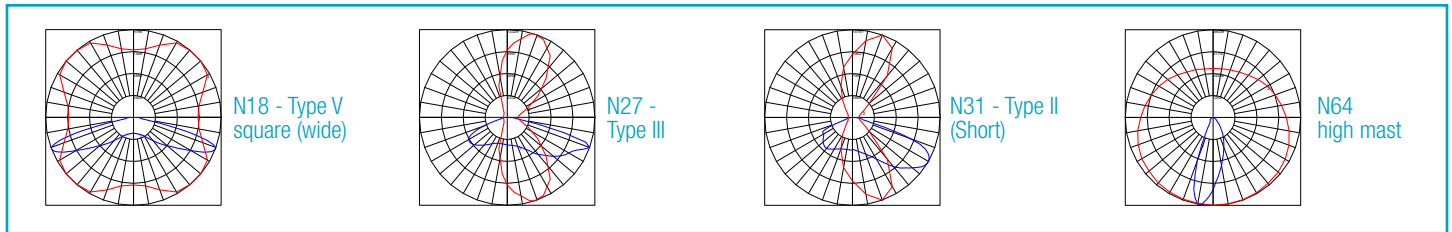
✓ DesignLights Consortium® Qualified



RoHS
Compliant

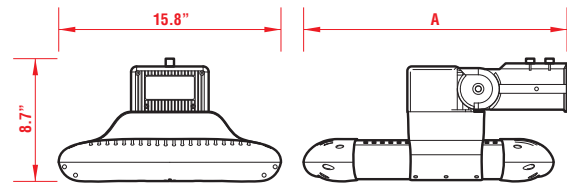
Area Street Light: Low Wattage C0820-S Series

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 ²)	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

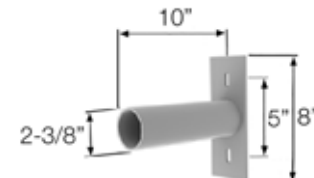


DR - Mounting arm

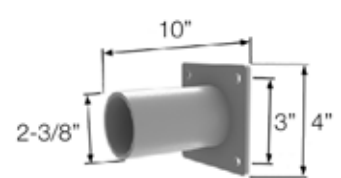


SP - Spider Mount

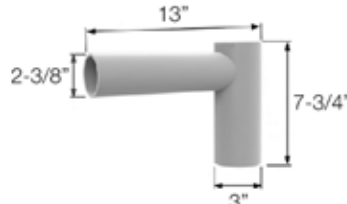
accessories



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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