

CPY Series - Version B

CPY250™ LED Canopy/Soffit Luminaire



CREE LIGHTING

Product Description

The CPY250™ LED Canopy/Soffit Luminaire has an extremely thin profile constructed of rugged cast aluminum. It can be surface mounted easily from below the canopy deck and can be pendant mounted. Direct imaging of the LEDs is eliminated with a highly efficient patterned flat or 23mm drop glass lens.

Applications: Petroleum canopies, CNG fueling stations, soffits

Accessories

Field Installed	
XA-BXCCBPW 665mm Beauty Plate Only (18 ga. steel)	RTF-RCS-A0-CPY Retrofit kit for recessed mounting
XA-BXCCBPB12W 665mm Beauty Plate (18 ga. steel) w/305mm Backer Plate (16 ga. steel) - For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 183mm x 375mm	PM-BCPY-I-R0 Stainless steel kit for surface/busway mounting PM-BCPY-V-R0 Galvanized sheet kit for surface/busway mounting
XA-BXCCBPB16W 665mm Beauty Plate (18 ga. steel) w/406mm Backer Plate (16 ga. steel) - For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 305mm x 375mm	XA-SENSREM Hand-Held Remote - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required XA-XCCSSKW-R Surface mounted trim kit (see page 2 for details)

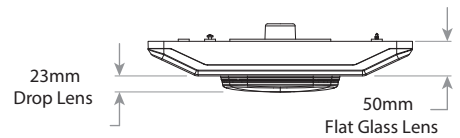
DM Mount



Flat Lens

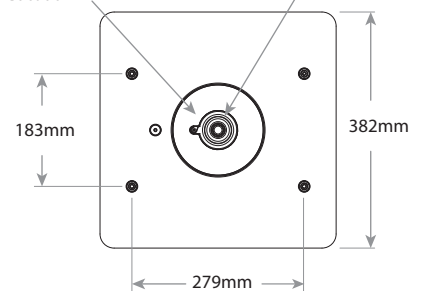


Drop Lens



Gasket to Seal up to 108mm Canopy Cutout

19mm NPT Conduit Entry



Ordering Information

Example: XCCB0AA+4W7

XCC	B	0	A	A	+	4	W	7		
Product	Version	Mounting	Optic	Input Power Designator	Insulation Class	Voltage	Color Options	Control Options	Surge	CCT
XCC	B	0 Direct	A Flat lens D Drop lens	A 65W B 94W E 140W	+ Class 1	4 220-240V	W White S Silver T Black Z Bronze B Silver Bronze	No code Fixed power Y 1-10V Dimming - Control by others E* Sensor with remote control - Flux dimming with occupancy sensor with remote control (to complete with remote control XA-SENSREM and 10kV Surge supp.)	No code 6kV surge suppressor U 10kV surge suppressor	No code 5700K 7 4000K

* Option E must be ordered including surge option U

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FEATURES

- LED Lumen output up to 19300lm
- LED module efficiency: Up to 140lm/W
- Luminaire efficiency: up to 140 lm/W
- Protection Degree: IP66 / IK10
- CCT: 4000K, 5700K
- CRI Standard min. 70
- MacAdam Step: ≤ 4SDCM
- Expected Lifetime (Ta=25°): L80F10 up to >160 Khours
- Overvoltage protection: up to 10kV CM/DM
- Operating temperature: -40°C up to +50°C
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- LED Board equipped with integral ESD and Surge protection

CONSTRUCTION AND MATERIALS

- Die-cast aluminum body with low copper content
- Exclusive Colorfast DeltaGuard® finish
- Cable type H07RN-F
- Weight: 5.7kg
- Flat lens is 3mm tempered Solite® glass
- Drop lens is 4mm molded borosilicate glass

Direct mount is suitable for use in single or double skin canopies with a minimum 102mm wide panels and a minimum 22 gauge, 0.7mm canopy thickness
 Direct mount luminaire mounts directly to the canopy deck with the drilling of a single 51mm to 102mm round hole, is secured in place with self-sealing screws that provide a weathertight seal and includes 19mm conduit entry for direct wire feed

WARRANTY AND CERTIFICATIONS

- Warranty: 10 years on Colorfast DeltaGuard® finish / 10 years on luminaire
- Risk group exempt
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Compliant to: EN 60598-1; EN 60598-2-3

Electrical Data*		
Input Power Designator	System Watts (W) 240V	Total Current
		240V
A	65	0.25
B	94	0.40
E	140	0.61

* Electrical data at 25°C (77°F)

Recommended CPY Series - Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C	1,04	1,02	1,00	0,98	0,96
10°C	1,03	1,01	0,99	0,97	0,95
15°C	1,02	0,99	0,98	0,96	0,94
20°C	1,01	0,98	0,96	0,95	0,93
25°C	1,00	0,97	0,95	0,94	0,92
30°C	0,99	0,96	0,94	0,93	0,91

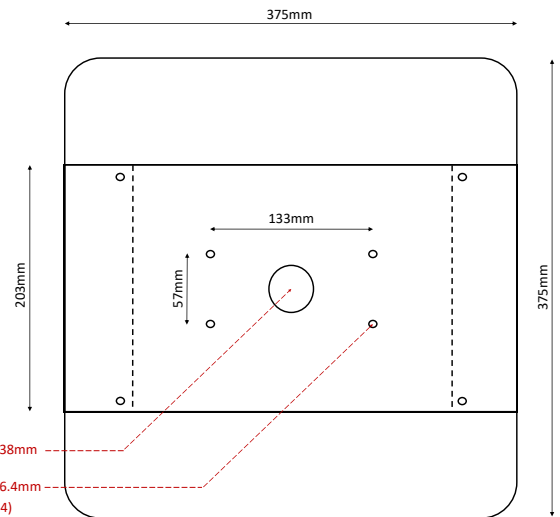
¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

SURFACE MOUNTED TRIM KIT (OPTIONAL ACCESSORY)

CODE: XA-XCCSSKW-R



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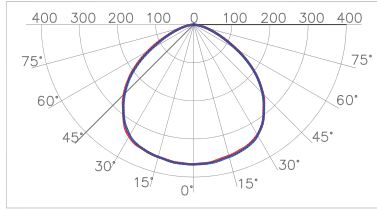
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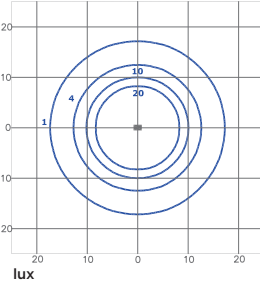
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. To obtain an IES file specific to your project consult: <http://www.cree-europe.com>.

FLAT LENS



cd/klm
— C0 - C180 — C90 - C270



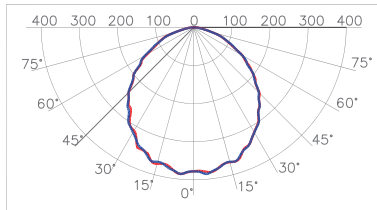
XCCB0AE+4W7
Mounting Height: 6m
Initial Delivered Lumens: 19299

Test Report #: PL11209-003A

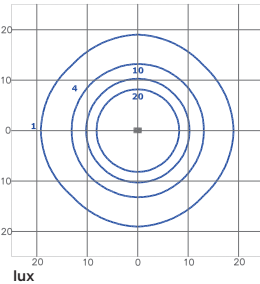
Flat Lens Distribution		
Input Power Designator	Initial Delivered Lumens*	
	5700K	4000K
A	7933	7791
B	12418	12195
E	19652	19299

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

DROP LENS



cd/klm
— C0 - C180 — C90 - C270



XCCB0DE+4W7
Mounting Height: 6m
Initial Delivered Lumens: 19200

Test Report #: PL11209-004A

Drop Lens Distribution		
Input Power Designator	Initial Delivered Lumens*	
	5700K	4000K
A	7892	7751
B	12354	12133
E	19551	19200

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens