## 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.

## Performance Summary

<table>
<thead>
<tr>
<th>Initial Delivered Lumens</th>
<th>Up to 19,145</th>
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</thead>
<tbody>
<tr>
<td>Efficacy</td>
<td>Up to 140 lm/W</td>
</tr>
<tr>
<td>CRI</td>
<td>Minimum 70 CRI</td>
</tr>
<tr>
<td>CCT</td>
<td>4000K (+/- 300K), 5700K (+/- 500K)</td>
</tr>
</tbody>
</table>

**Limited Warranty**: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

## Accessories

**Field Installed**

<table>
<thead>
<tr>
<th>XA-BXCCBPW</th>
<th>665mm Beauty Plate Only (18 ga. steel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XA-BXCCBPB12W</td>
<td>665mm Beauty Plate (18 ga. steel) w/305mm Backer Plate (16 ga. steel)</td>
</tr>
<tr>
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<td>665mm Beauty Plate (18 ga. steel) w/406mm Backer Plate (16 ga. steel)</td>
</tr>
</tbody>
</table>

**RTF-RCS-A0-CPY**

Retrofit kit for recessed mounting

**PM-BCPY-V-R0**

Galvanized sheet kit for surface/busway mounting

**XA-SENSREM**

Hand-Held Remote
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required.

**RTF-RCS-A0-CPY**

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**PM-BCPY-I-R0**

Stainless steel kit for surface/busway mounting

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## Ordering Information

**Example:** XCCB0AA+4W7

<table>
<thead>
<tr>
<th>XCC</th>
<th>B</th>
<th>O</th>
<th>A</th>
<th>A</th>
<th>+</th>
<th>4</th>
<th>W</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>Direct</td>
<td>Flat lens</td>
<td>65W</td>
<td>White</td>
<td>No code</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>94W</td>
<td>Silver</td>
<td>Fixed power</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>140W</td>
<td>Black</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bronze</td>
<td>1–10V Dimming</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silver</td>
<td>- Control by others</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bronze</td>
<td>E*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sensor with remote control</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Flux dimming with occupancy sensor with remote control</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(to complete with remote control XA-SENSREM and 10kV Surge supp.)</td>
</tr>
</tbody>
</table>

*Option U must be ordered including surge option U

*See www.cree.com/lighting/products/warranty for warranty terms

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**DM Mount**

- Flat Lens
- Drop Lens

**Canopy Cutout**

- 23mm Drop Lens
- 50mm Flat Glass Lens

- 19mm NPT Conduit Entry
- 183mm Diameter
- 382mm Height
- 279mm Width

---

**Performance Summary**

- **Initial Delivered Lumens**: Up to 19,145
- **Efficacy**: Up to 140 lm/W
- **CRI**: Minimum 70 CRI
- **CCT**: 4000K (+/- 300K), 5700K (+/- 500K)

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CPY250® LED Canopy/Soffit Luminaire - Version B

**Product Specifications**

**CONSTRUCTION & MATERIALS**
- Slim, low profile design
- Easy mounting and servicing from below the deck
- Luminaire housing is constructed of rugged cast aluminum with integral heat sink specifically designed for LED
- 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
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, silver bronze and white are available
- Weight: 5.7kg

**ELECTRICAL SYSTEM**
- Input Voltage: 220-240V, 50/60Hz
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Integral 6kV surge suppression protection standard (10kV on request)
- **Operating Temperature Range**: A Input Power Designator: -40˚C to +40˚C (direct mount to plywood), -40˚C to +45˚C (direct mount to sheet metal); B & E Input Power Designators: -40˚C to +35˚C (plywood), -40˚C to +40˚C (sheet metal)
- **WARNING**: Exceeding maximum operating temperature may result in thermal foldback

**CONTROLS**
- Continuous dimming to 10% with 1-10V DC control protocol

**REGULATORY & VOLUNTARY QUALIFICATIONS**
- CE Listed
- Enclosure rated IP66 per IEC 60529
- 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS compliant. Consult factory for additional details

**Electrical Data**

<table>
<thead>
<tr>
<th>Input Power Designator</th>
<th>System Watts (W)</th>
<th>Total Current</th>
<th>240V</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>65</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>94</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>140</td>
<td>0.61</td>
<td></td>
</tr>
</tbody>
</table>

*Electrical data at 25°C (77°F)*

**Recommended CPY Series - Lumen Maintenance Factors (LMF)**

<table>
<thead>
<tr>
<th>Ambient</th>
<th>Initial LMF</th>
<th>25K hr Projected LMF</th>
<th>50K hr Projected LMF</th>
<th>75K hr Calculated LMF</th>
<th>100K hr Calculated LMF</th>
</tr>
</thead>
<tbody>
<tr>
<td>5˚C</td>
<td>1.04</td>
<td>1.02</td>
<td>1.00</td>
<td>0.98</td>
<td>0.96</td>
</tr>
<tr>
<td>10˚C</td>
<td>1.03</td>
<td>1.01</td>
<td>0.99</td>
<td>0.97</td>
<td>0.95</td>
</tr>
<tr>
<td>15˚C</td>
<td>1.02</td>
<td>0.99</td>
<td>0.98</td>
<td>0.96</td>
<td>0.94</td>
</tr>
<tr>
<td>20˚C</td>
<td>1.01</td>
<td>0.98</td>
<td>0.96</td>
<td>0.95</td>
<td>0.93</td>
</tr>
<tr>
<td>25˚C</td>
<td>1.00</td>
<td>0.97</td>
<td>0.95</td>
<td>0.94</td>
<td>0.92</td>
</tr>
<tr>
<td>30˚C</td>
<td>0.99</td>
<td>0.96</td>
<td>0.94</td>
<td>0.93</td>
<td>0.91</td>
</tr>
</tbody>
</table>

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

*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

*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

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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**

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<th>Initial Delivered Lumens*</th>
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<tr>
<td></td>
<td>5700K</td>
</tr>
<tr>
<td>A</td>
<td>7933</td>
</tr>
<tr>
<td>B</td>
<td>12418</td>
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<tr>
<td>E</td>
<td>19652</td>
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* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens.

Test Report #: PL11209-003A

**DROP LENS**

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<tr>
<td></td>
<td>5700K</td>
</tr>
<tr>
<td>A</td>
<td>7892</td>
</tr>
<tr>
<td>B</td>
<td>12354</td>
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