12” LED Canopy Fixture, Heritage Series

Advanced light engine technology in a traditional housing design. Wisconsin engineering and craftsmanship utilizing premium components.

Our LED lights, light poles and brackets are proudly engineered and manufactured in the USA. We use only the highest quality components, and our LED Canopy fixtures deliver unmatched light output and efficiency for any covered area lighting project. Precision engineered for performance and energy savings, these products dramatically reduce energy consumption by up to 80% and virtually eliminate ongoing maintenance expenses for a variety of customers and applications.

Product Overview

Highlights:
- Engineered and manufactured in Wisconsin, USA from domestic and imported components
- ETL Certified: Conforms to UL STD 1598 & CSA STD C22.2 # 250.0 for wet locations
- L70 calculated LED life over 270,000+ hours
- Drivers are 0-10v dimming standard
- Three light engine options from 5,622 – 16,490 lumens for 75-400w HID replacements
- Premium high-output Chip-On-Board (COB) LEDs in 5000K, 4000K and 3000K options, custom color temps available upon request
- Minimum CRI of 70, custom CRI available

Common Applications:
- Parking garages, gas stations, entrances and stairways
- Commercial buildings, schools, universities, hotels and hospitals
- Storage areas and loading docks

Light Engine Warranty:
- 5-year standard limited warranty on all light engine components
- Accessories and adders covered by separate OEM supplier warranties
Product Specifications

Housing Construction, Finish & Mounting:
• Rugged, die-cast, traditional, canopy aluminum housing
• Impact-resistant, polycarbonate lens and durable silicone gasket
• Durable, multi-layer, polyester powder coat or industrial grade liquid paint
• Available in a variety of colors such as dark bronze, black, white, light gray, dark green and natural aluminum (custom colors available upon request)
• Standard coin plug access, conduit knock-outs and junction box provisions for fixture mounting
• Fixture Weight: 15 LBS

Optics & Lighting Distribution:
• Standard photometric distribution is V-WIDE, other distributions available upon request
• No secondary optics used for base model
• IES files, photometric reports and simulations available upon request

Electrical:
• Operating temp: -40 °C to +40 °C
• Standard AC input of 120-277v VAC, up to 480v available
• EMI filter: 47CFR, part 2, part 15
• Power factor: >0.9
• Total harmonic distortion: <20%
• Surge protection: IEC/EN 61000-4-5 EMC test standard
• Licensed electrician required for installation

Energy Control Options:
• Daylight harvesting and photo controls
• Motion control and dimming
• Surge protection
• CA Title 24 compliance options available upon request

Created & Simulated per IESNA LM-63-1995

80w Canopy, Type V, 12' Height
This specification brochure is intended to serve as a general guide. Our products are continually being engineered and improved, and specifications are subject to change without notice.

1. Considered to be a typical HID equivalent. Specific HID wattage equivalents will depend on things like environmental and application characteristics, distribution type and design criteria.
2. Considered initial nominal value of the LED light engine as specified by the LED chip manufacturer. Fixture efficacy and lumen output will depend on things like color temperature, distribution type and environmental characteristics.
3. Considered the typical initial delivered lumens of the LED light engine. Specific lumens for an application will depend on things like color temperature, distribution type and environmental characteristics.
4. Lumen maintenance values at 25 ℃ are calculated per TM-21 based on LM-80 data and in-house luminaire testing.
5. 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.
6. 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.

### Light Engine Specifications (Values Listed for Type V, 5000K)

<table>
<thead>
<tr>
<th>Base Model</th>
<th>System Watts</th>
<th>LED Watts</th>
<th>HID Replacement¹</th>
<th>Number of COBs</th>
<th>Drive Current</th>
<th>Nominal Lumens²</th>
<th>Delivered Lumens³</th>
<th>L70 EnergySTAR LED Life⁴</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-CAIC-40-50-MV-S</td>
<td>40w</td>
<td>36w</td>
<td>75-175w</td>
<td>1</td>
<td>1,050 mA</td>
<td>5,622</td>
<td>4,854</td>
<td>270,000+ Hrs</td>
</tr>
<tr>
<td>12-CAIC-80-50-MV-S</td>
<td>79w</td>
<td>71w</td>
<td>125-300w</td>
<td>2</td>
<td>1,050 mA</td>
<td>11,119</td>
<td>10,007</td>
<td>270,000+ Hrs</td>
</tr>
<tr>
<td>12-CAIC-120-50-MV-S</td>
<td>118w</td>
<td>106w</td>
<td>200-400w</td>
<td>3</td>
<td>1,050 mA</td>
<td>16,490</td>
<td>14,841</td>
<td>270,000+ Hrs</td>
</tr>
</tbody>
</table>

### Amperage Load

<table>
<thead>
<tr>
<th>Wattage</th>
<th>Total Amps Per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>110v</td>
</tr>
<tr>
<td>40w</td>
<td>0.36A</td>
</tr>
<tr>
<td>79w</td>
<td>0.72A</td>
</tr>
<tr>
<td>118w</td>
<td>1.07A</td>
</tr>
</tbody>
</table>

### Lumen Maintenance Factor (LMF)⁴

<table>
<thead>
<tr>
<th>Type</th>
<th>Ambient</th>
<th>Initial LMF</th>
<th>25K Hour Projected LMP⁵</th>
<th>50K Hour Projected LMP⁵</th>
<th>75K Hour Projected LMP⁵</th>
<th>100K Hour Projected LMP⁵</th>
</tr>
</thead>
<tbody>
<tr>
<td>COB</td>
<td>25 ℃ (77 ℉)</td>
<td>100%</td>
<td>95%</td>
<td>92%</td>
<td>89%</td>
<td>87%</td>
</tr>
</tbody>
</table>

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Note: Additional wattages and configurations available upon request. Specifications are subject to change without notice.
### Ordering Information

<table>
<thead>
<tr>
<th>Designation</th>
<th>Color Temp.</th>
<th>Distribution Type</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-CAIC 12&quot; Canopy COB</td>
<td>50 = 5000K</td>
<td>5 = Type V Round</td>
<td>DB = Dark Bronze</td>
</tr>
<tr>
<td></td>
<td>40 = 4000K</td>
<td></td>
<td>BK = Black</td>
</tr>
<tr>
<td></td>
<td>30 = 3000K</td>
<td></td>
<td>WH = White</td>
</tr>
<tr>
<td></td>
<td>CT = Custom</td>
<td></td>
<td>SG = Slate Gray</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LG = Light Gray</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DG = Dark Green</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NA = Nat. Alum. Paint</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SC = Custom Color</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wattage</th>
<th>Input Voltage</th>
<th>Distribution Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 = 40 Watt</td>
<td>MV = 100-277v</td>
<td>5 = Type V Round</td>
</tr>
<tr>
<td>80 = 80 Watt</td>
<td>HV = 347-480v</td>
<td></td>
</tr>
<tr>
<td>120 = 120 Watt</td>
<td>CV = Custom</td>
<td></td>
</tr>
</tbody>
</table>

### Accessories

**Controls**
- SPC1 = Swivel Photocontrol, 120 VAC
- SPC2 = Swivel Photocontrol, 208 to 277 VAC
- SPC3 = Swivel Photocontrol, 347 VAC
- SPC4 = Swivel Photocontrol, 480 VAC
- MPS = Motion/Photo Sensor with BLUETOOTH, 8-40 ft. mounting heights, 100 ft. diameter at 40 ft., 100 - 347VAC (single phase) or 208/230/480VAC (phase-to-phase) (Installed In Fixture)
- SRG-277-10 = Surge Protector, 120v - 277v
- SRG-480-10 = Surge Protector, 347v - 480v
- F10 = 10 Amp Fuse Kit, 120-480 VAC

**Other**
- WHP11NP = 11' Cord w/o Plug, Stripped Pigtail Both Ends (Not Installed)
- WHP7NP = 7' Cord w/o Plug, Stripped Pigtail Both Ends (Not Installed)
- WHP11P1 = 11' Cord w/ NEMA 5-15P, Stripped Pigtail One End (Not Installed)
- WHP7P1 = 7' Cord w/ NEMA 5-15P, Stripped Pigtail One End (Not Installed)
- WHP3NP = 3' Cord w/o Plug, Stripped Pigtail Both Ends (Not Installed)
- WHP3P1 = 3' Cord w/ NEMA 5-15P, Stripped Pigtail One End (Not Installed)
- CG1 = 1/2" NPT Cord Grip, 0.180-0.400" Cord OD Range (Not Installed)

* Many lens options available, contact us for more options

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**NAFCO**

206 W. McWilliams St.  
Fond du Lac, WI 54935  
800-558-4810  
quotes@nafcomfg.com  
NAFCOmfg.com

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Fond du Lac, WI 54935  
800-558-4810  
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