

ECVN40Q ThermaLED technology

ThermaLED Large Canopy



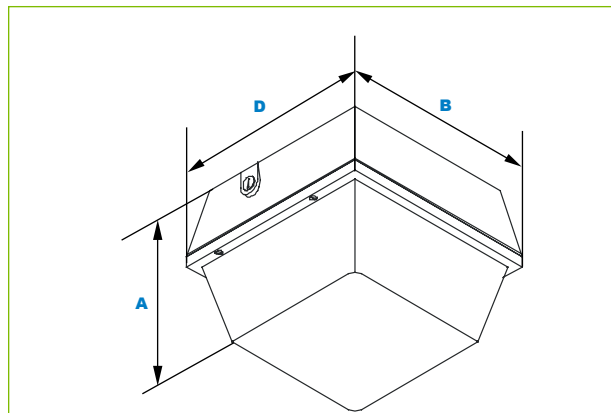
1 2802 COMMODITY PL
TAMPA, FL 33626
PHONE: 844-636-2036
SALES@ECO-REVOLUTION.COM
WWW.ECO-REVOLUTION.COM

| Order Information Example: | | | ECVN40QF1X45U5KSZSP | | | | |
|---------------------------------|----------|----------|--------------------------|----------------------|---|---|--|
| ECVN40Q | F | 1X45 | | | S | | |
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Options |
| ECVN40Q= ThermaLED Large Canopy | F=Type V | 1X45=45w | U=120-277V H=347-480V | 4K=4000K 5K=5000K | S=Standard Clear Polycarbonate Prismatic Lens | Z=Bronze W=White C=Custom (Consult Factory) | SF=Single Fuse DF=Double Fuse SP=Surge Protection PC1=Photocell, 120VAC PC2=Photocell, 250-305VAC QM=Quick Mount/Pendant Mount BU=Battery Backup, 90 Minutes |



L70
(25°C) **177,000 Hours**

The Eco-Revolution ECVN40Q Large Canopy luminaire is available for surface or pendant mounting configurations with an optical distribution designed specifically to replace HID lighting systems up to 175w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 12 to 20 feet can be used based on light level and uniformity requirements.



Dimensions

| | |
|------------|----------------------------|
| Width (D) | 12 $\frac{3}{8}$ " (314mm) |
| Length (B) | 12 $\frac{3}{8}$ " (314mm) |
| Height (A) | 8 $\frac{5}{8}$ " (219mm) |

Specifications and Features:

Housing:

Die Cast Aluminum Housing, 1/2" Coin Plugs with O-rings for Conduit & Photocell on Two Sides & Back, Nickel-Plated Stainless Steel Hardware.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750. (Damp Locations When Used with ECVNQM.) IP55 Sealed LED Compartment.

Finish:

Textured Architectural Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:

Standard Clear Polycarbonate Prismatic Lens.

Mounting Options:

Mount Directly Over a 4" Recessed Outlet Box, or Use 1/2" Surface Conduit or Quick-Mount Bracket.

ThermaLED LED:

Aluminum Boards

Wattage:

Array: 45.4w, System: 52.6w (175w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Dimmable Driver

Warranty:

5-Year Warranty for -40°C to +40°C Environment.

LM-79 Report Available on Select Models.
See Page 2 for Projected Lumen Maintenance Table.

Certification & Listings:



Project Information:

Project Name: _____

Fixture Type: _____

Complete Catalog #: _____

Date: _____

Comments: _____

5 LOCATIONS
Tampa, FL
Vancouver, WA
Cerritos, CA
Walden, NY
Memphis, TN

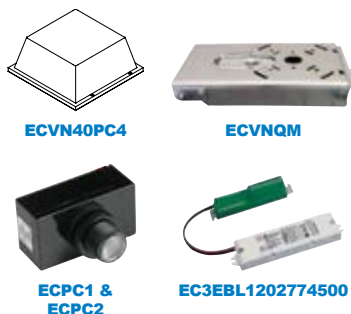
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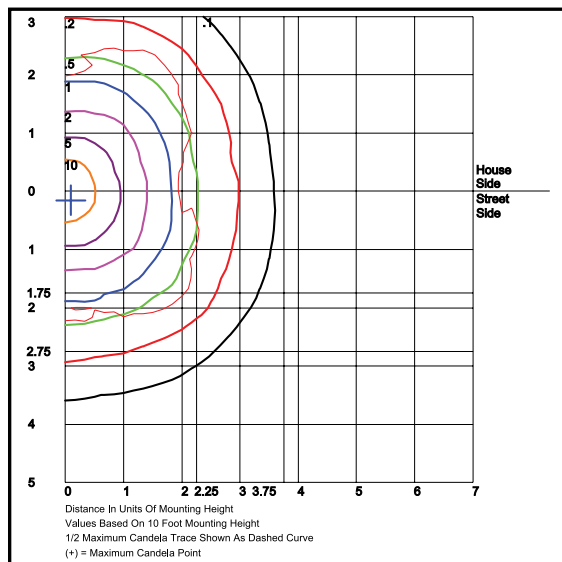
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Accessories & Replacement Parts:



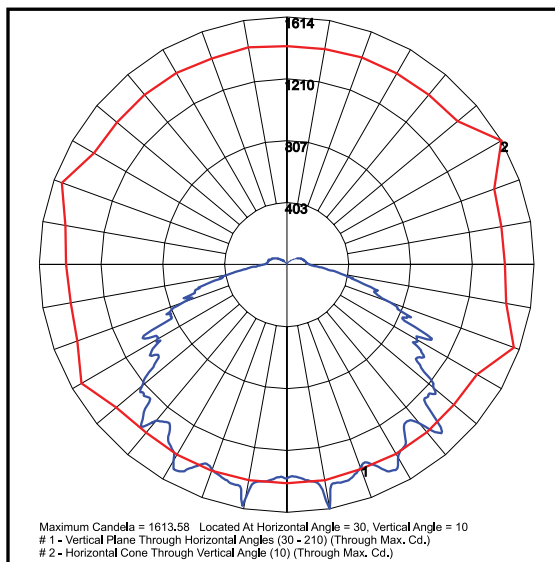
| Replacement Parts (Order separately, Field installed) | |
|--|---|
| ECVN40PC4 | Clear Prismatic Polycarbonate Lens with Four (4) Screw Holes |
| ECVNQM | Hinged Quick-Mount Bracket, Stamped Steel, Mount Over Recessed Electrical Box, or Use 3/4" NPS Downrod for Pendant Mounting. CSA Listed for Damp Location Mounting. |
| ECPC1 | 120VAC, Photocell |
| ECPC2 | 250-305VAC, Photocell |
| EC3EBL1202774500 | Battery Backup, Provides 90 Minutes of Backup Power. |

Photometric Data



ECVN40QF1X45U5KS
Type V

Grid in MH
MH=10 Feet



ECVN40QF1X45U5KS
Type V

Photometric Performance

| LED Board Watts | Drive Current (mA) | Input Watts | Optics | 5000 CCT 80 CRI | | | | 4000 CCT 80 CRI | | | | | |
|-----------------|--------------------|-------------|--------|-----------------|-----|---|---|-----------------|--------|-----|---|---|---|
| | | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| ThermaLED 45w | 117 | 53 | Type V | 6,267 | 118 | 2 | 3 | 2 | 6,016 | 114 | 2 | 3 | 2 |

Projected Lumen Maintenance

| Data shown for 5000 CCT | | | Compare to MH | | | |
|--------------------------------------|-------------|---------|---------------|------------|-------------|----------------------|
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 25°C |
| L70 Lumen Maintenance @ 25°C / 77°F | 53 | 1.00 | 0.96 | 0.92 | 0.83 | 177,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |
| L70 Lumen Maintenance @ 50°C / 122°F | 53 | 1.00 | 0.93 | 0.85 | 0.71 | 102,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L80@ 40°C |
| L80 Lumen Maintenance @ 40°C / 104°F | 53 | 1.00 | 0.94 | 0.87 | 0.74 | 78,000 |

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 117mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.