

# ECVN30Q ThermaLED technology

## ThermaLED Medium Canopy



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### Order Information Example: ECVN30QF1X23U5KSZSP

ECVN30Q	F	1X23	U				
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
ECVN30Q=ThermaLED Medium Canopy	F=Type V	1X23=23w	U=120-277V	4K=4000K 5K=5000K	S=Standard Clear Polycarbonate Prismatic Lens L=SoftLED LumaLens Opal Polycarbonate Lens	Z=Bronze C=Custom (Consult Factory)	SF=Single Fuse DF=Double Fuse SP=Surge Protection PC1=Photocell, 120VAC PC2=Photocell, 250-305VAC BU=Battery Backup, 90 Minutes



**L70**  
(25°C) **187,000 Hours**

The Eco-Revolution ECVN30Q Medium Canopy luminaire is available for surface or pendant mounting configurations with an optical distribution designed specifically to replace HID lighting systems up to 100w 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 8 to 14 feet can be used based on light level and uniformity requirements.

### Specifications and Features:

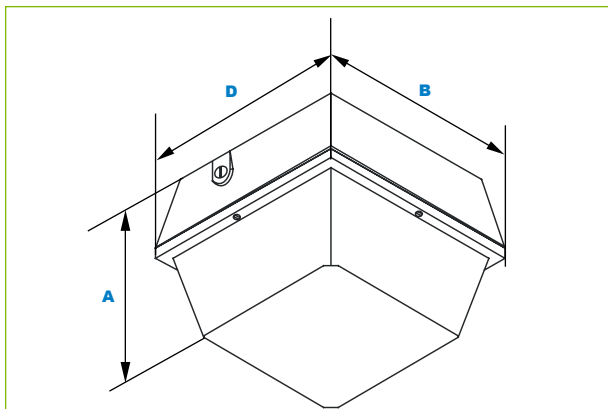
<b>Housing:</b>	Die Cast Aluminum Housing, 1/2" Coin Plugs with O-rings for Conduit & Photocell on Two Sides & Back, Nickel-Plated Stainless Steel Hardware.
<b>Listing &amp; Ratings:</b>	CSA: Listed for Wet Locations, ANSI/UL 1598, 8750. IP65 Sealed LED Compartment.
<b>Finish:</b>	Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
<b>Lens:</b>	Standard Clear Polycarbonate Prismatic or SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens
<b>Mounting Options:</b>	Mount Directly Over a 4" Recessed Outlet Box, or Use 1/2" Surface Conduit.
<b>ThermaLED LED:</b>	Aluminum Boards
<b>Wattage:</b>	Array: 21.7w, System: 25w; (100w HID Equivalent)
<b>Driver:</b>	Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.
<b>Controls:</b>	Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Eco-Revolution Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.
<b>Warranty:</b>	5-Year Warranty for -40°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

### Certification & Listings:



DesignLights Consortium™  
Qualified Luminaire:  
ECVN30QF1X23U5KS\*



### Dimensions

<b>Width (D)</b>	9" (229mm)
<b>Length (B)</b>	9" (229mm)
<b>Height (A)</b>	7 1/4" (184mm)

### Project Information:

Project Name: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_

Comments: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Date: \_\_\_\_\_

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

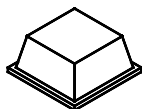
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### Accessories & Replacement Parts:



ECVN30PC



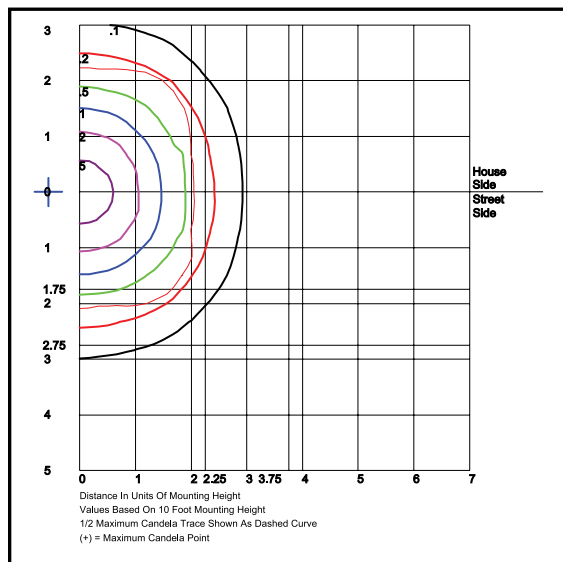
ECPC1 &  
ECPC2

#### Replacement Parts (Order Separately, Field Installed)

ECVN30PC	Clear Polycarbonate Replacement Lens
ECVN30PW	SoftLED LumaLens Opal Polycarbonate Lens
ECPC1	120VAC, Photocell
ECPC2	250-305VAC, Photocell

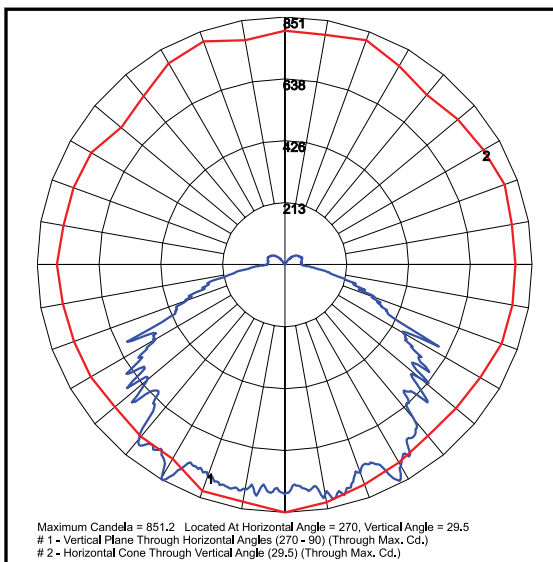
For Replacement Battery Backup, see the Eco-Revolution LED Battery Backup Specification Sheet.

### Photometric Data



ECVN30QF1X23U5KS  
Type V

Grid in MH  
MH=10 Feet



ECVN30QF1X23U5KS  
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 23w	117	25	Type V	3,344	134	1	3	1	3,211	128	1	3	1

### 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	25	1.00	0.96	0.92	0.84	187,000
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	25	1.00	0.93	0.86	0.72	107,000
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	25	1.00	0.94	0.88	0.76	82,000

#### 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.