

CP16Q DuraLED 16" Gas Station Canopy



Project Information	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard CP16Q gas station canopy luminaire with mounting system designed for typical canopy steel pan structures is available with an optical distribution designed to replace HID lighting systems up to 250w MH or HPS. The fixture housing is designed to emulate legacy HID canopy lights that mount through a 4" minimum diameter cut hole in the canopy. A galvanized steel back plate is provided to allow for installation over larger holes. Driver and power connection are made in an IP66 rated powder coated die cast mounting box above the canopy. Mounting heights of 12 to 20 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Die Cast Aluminum Housing with IP66 Driver Compartment.

DURALED LED:

Aluminum Boards



WATTAGE:

Array: 111.5w; System: 127w (250w HID Equivalent)

LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

FINISH:

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

LENS:

Tempered Clear Flat Glass Lens

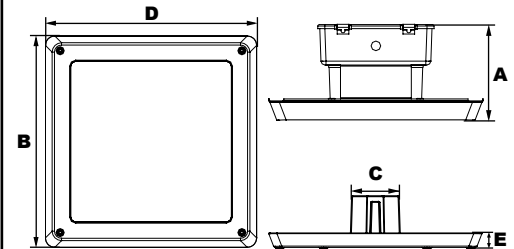
WARRANTY:

5-Year Warranty for -40°C to +50°C Environment.

MOUNTING OPTIONS:

Recessed Mount

See Page 2 for Projected Lumen Maintenance Table.



Dimensions			
Width (D)	16½" (419mm)	Height 1 (A)	7¼" (195mm)
Length (B)	16½" (419mm)	Width (C)	4" (102mm)
		Height 2 (E)	1¼" (32mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: CP16QF1X112U5KCVSP

CP16Q DuraLED 16" Gas Station Canopy

CP16Q	F	1X112				C		
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options	
CP16Q = DuraLED 16" Gas Station Canopy	F=Type V	1X112=112w	U=120-277V H=347-480V	4K=4000K 5K=5000K	C=Tempered Clear Flat Glass	W=White C=Custom (Consult Factory)	SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection	



DesignLights Consortium™
Qualified Luminares:
CP16QF1X112[U H]5KC**



Specifications subject to change without notice.

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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
DuraLED 112w	116	127	Type V	17,904	141	3	2	2	17,188	135	3	2	1

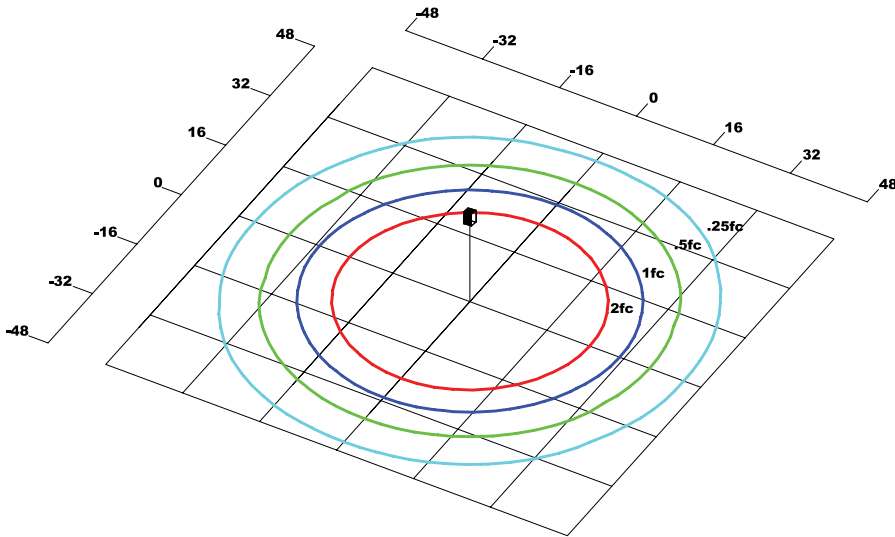
PROJECTED LUMEN MAINTENANCE

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						
	127	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						
	127	1.00	0.93	0.87	0.73	113,000
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						
	127	1.00	0.94	0.89	0.77	88,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA 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.

PHOTOMETRIC DATA

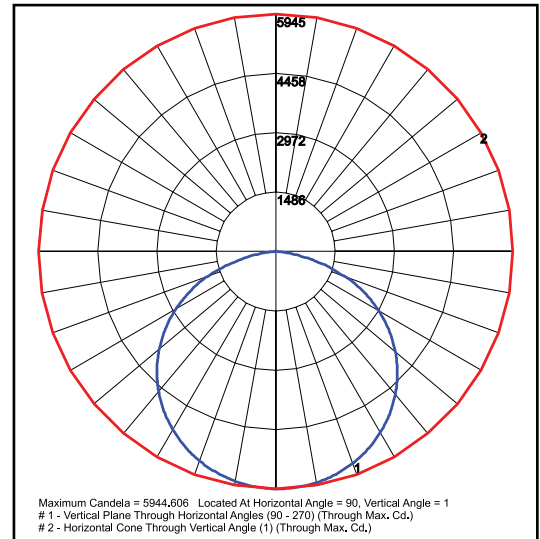


CP16QF1X112U5KC

Type V

Grid in MH

MH=16 Feet



CP16QF1X112U5KC

Type V

Maximum Candela = 5944.606 Located At Horizontal Angle = 90, Vertical Angle = 1
 # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)