FDLPC

LED Low Profile Canopy Light

Factory Direct Lighting
100 Shields Court, Markham,
ON Canada L3R 9T5
Tel: 905-944-1210 • 1-855-533-0743
Toll Fax: 1-855-533-3294
https://www.fdlighting.ca/

FEATURES & SPECIFICATIONS

INTENDED USE
Industrial and commercial applications. For parking garage.

CONSTRUCTION
Heavy duty die-cast aluminum housing, fully sealed to be dirt and bug proof. High quality tempered glass optics. Integral secondary heat sink to optimize thermal transfer and maximize performance and life of LED. Driver is mounted in direct contact with the casting for low operating temperature.

FINISH
Dark bronze,white finish. A tightly controlled multi-stage process ensures minimun 3 mils the thickness for a finish that can withstand extreme climate change without cracking or peeling. Availabel in textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specificall to building hang applications .Light engines are available in 4000k(80min.CRI) or 5000 K (80 CRI) configurations.

ELECTRICAL SYSTEM
Input Voltage: 120-277V or 347V, 50/60Hz,Class 2 Driver
Power Factor: >0.87 at full load
Total Harmonic Distortion:<20% at full load
Integral 4kV surge suppression protection standard
Dimming 0-10V

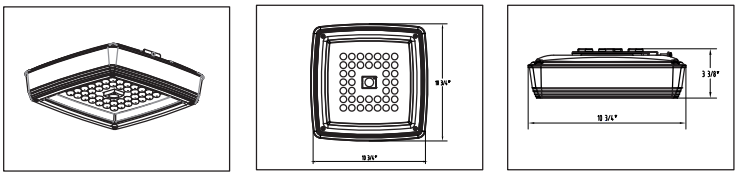
INSTALLATION
Fast installation model , for quick and easy installation .

WARRANTY
Five year limited warranty.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice .

DIMENSIONS

LED Low Profile Canopy Light



DIMENSION DATA

Width	Length	Height	Weight with Arm (lbs.)
10-3/4" (273.0mm)	10-3/4" (273mm)	3-3/8" (85.85mm)	69.08 (2.72 kgs.)

PHOTOMETRICS

All published luminaire photometric testing performed to IESNA LM-79 standards by a certified laboratory.

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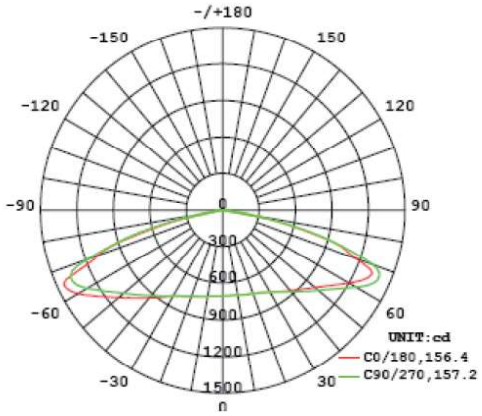
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.1	60	0.3573	42.55	0.9

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I_{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
5202.59	122.27	1472.0	1.86	1.90

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I_{max}):	156.4	157.2	157.2	157.2	157.0
Field Angle (10% I_{max}):	165.3	166.1	166.1	166.0	165.9

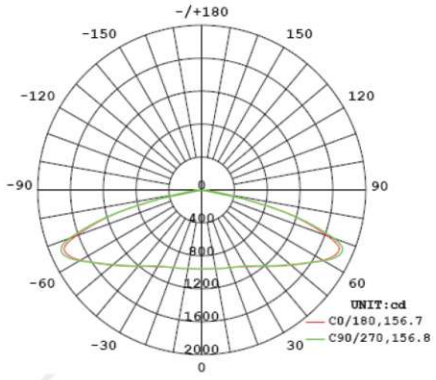
Electrical Measurement

Input Voltage (V)	Frequency (Hz)	Input Current (A)	Power (W)	Power Factor
120.0	60	0.4780	57.03	0.9

Photometric Measurement

Luminous Flux (lm)	Efficacy (lm/W)	I_{max} (cd)	S/MH (C0/180)	S/MH (C90/270)
7030.47	123.28	1879.0	1.93	1.92

Luminous Intensity Distribution



	C0/180	C45/225	C90/270	C135/315	AVG.
Beam Angle (50% I_{max}):	156.7	157.8	156.8	157.8	157.3
Field Angle (10% I_{max}):	166.5	167.0	166.6	167.0	166.8

More optic photometrics , pls contact our sales or service .

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0° C	32° F	1.12
10° C	50° F	1.11
20° C	68° F	1.11
25° C	77° F	1.05
30° C	86° F	1.01
40° C	104° F	1.00
50° C		0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the HC WallPack LED Lights platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.90	0.87	0.80

Typical Specification

Products		FDLPC-40		FDLPC-60	
Item No.	Specification				
General Performance	CCT	4000K	5000K	4000K	5000K
	Input Voltage	120/277V/347V	120/277V/34V	120/277V/347V	120/277V/347V
	Input Wattage	42.65	42.55	60	57.03
	Initial Lumens	4333.15	5190.5	5913.1	7030.47
	Efficacy	103	121	98.32	123.28
	CRI	≥70		≥70	
	Power Factor	>0.87		>0.87	
	THD	≤20%+5% Tolerance		≤20%+5% Tolerance	
	Driver Type	Constant Current / Class 2		Constant Current / Class 2	
	Surge Protector	4KV		4KV	
	Luminaire Life	50,000 Hours		50,000 Hours	
	Driver	1-10V		1-10V	
Operation Condition	Operating Temperatur	-30 ℉～+130℉		-30 ℉～+130℉	
	Humidity	≤95%		≤95%	

1 DesignLights Consortium (DLC) qualified product.Not all versions of this product may be DLC qualified . Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.
2 Specifications subject to change without notice .All values are design or typical values, measured under laboratory conditions at 25 °C. Actual performance may differ as a result of end-user environment and application.

† System input wattage may vary based on input voltage , by up to +/- 10%,and based on manufacturer forward voltage,by up to +/- 8%.

Ordering Information

FDLPC-40-LED-5K-120M-D
FDLPC-40-LED-5K-347V-D
FDLPC-40-LED-4K-120M-D
FDLPC-40-LED-4K-347V-D
FDLPC-60-LED-5K-120M-D
FDLPC-60-LED-5K-347V-D
FDLPC-60-LED-4K-120M-D
FDLPC-60-LED-4K-347V-D

† contact the salesfor warrarty terms.