



FL4-SERIES AREA LIGHT



Project	
Date	
Prepared by	
Model #	FL4-1504T3-1

OVERVIEW

The FL4-Series Area Light represents our entry into specification grade exterior lighting. Finished in black, its sleek design and larger housing size provides an attractive look, especially when mounted on poles. Offering a wide range of mounting options, lumen packages, IES beam distribution patterns, and integrated controls, they will allow you to achieve any design requirement.

PRODUCT HIGHLIGHTS

- Interchangeable mounting options to adapt to any application: mounting arm, yoke, trunnion, or slip fitter*
- Operates in -40°F/-40°C degree outdoor weather
- 1-10V dimming for maximum control and energy savings
- IP65 and Wet Location rated
- Black contemporary finish to complement all outdoor environments
- Available with integrated motion sensor or photocell (optional)

*Fixture does not include mount. Mount must be ordered separately.

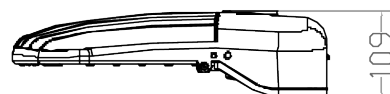
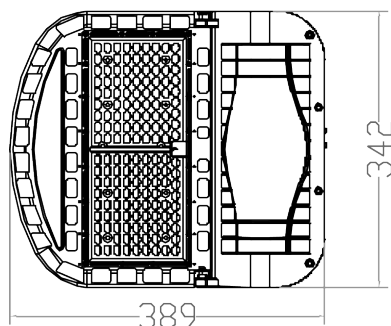
OPTICAL SPECIFICATIONS

Lumen Output (lm) ₁	20741 lm	Beam Angle (°) ₁	Type III (150°x85°)
CCT (K) ₁	4000K	Projected Lifetime (L ₇₀)	50,000 hrs
CRI (Ra) ₁	80	Chromaticity Shift	±250K
Efficacy (lm/W) ₁	136 lm/W		

ELECTRICAL SPECIFICATIONS

Power	150W	Replacement For	Up to 450W HID or HPS/MH
Apparent Power (VA)	153.5VA	Current Draw at 120V _{AC} (A) ₂	1.25A
System Wattage (W)	151.56W	Current Draw at 208V _{AC} (A) ₂	0.81A
Input Voltage	100-277VAC	Current Draw at 240V _{AC} (A) ₂	0.63A
Output Voltage (VDC)	56VDC	Current Draw at 277V _{AC} (A) ₂	0.553A

PRODUCT DIMENSIONS



CONSTRUCTION

Housing Material	Aluminum Alloy	Installation Method	Wall Mounted/ Square Pole Mounted/ Round Pole Mounted
Housing Color	Black	Operation Range (°F/°C)	-40°F to 113°F/-40°C to 45°C
Lens Material	Polycarbonate	Weight (Kg/Lbs)	6.9kg / 15.21lbs
Dimensions (inch/mm)	15.3" x 13.5" x 4.3" / 389mm x 342mm x 109mm	Warranty	10 Years

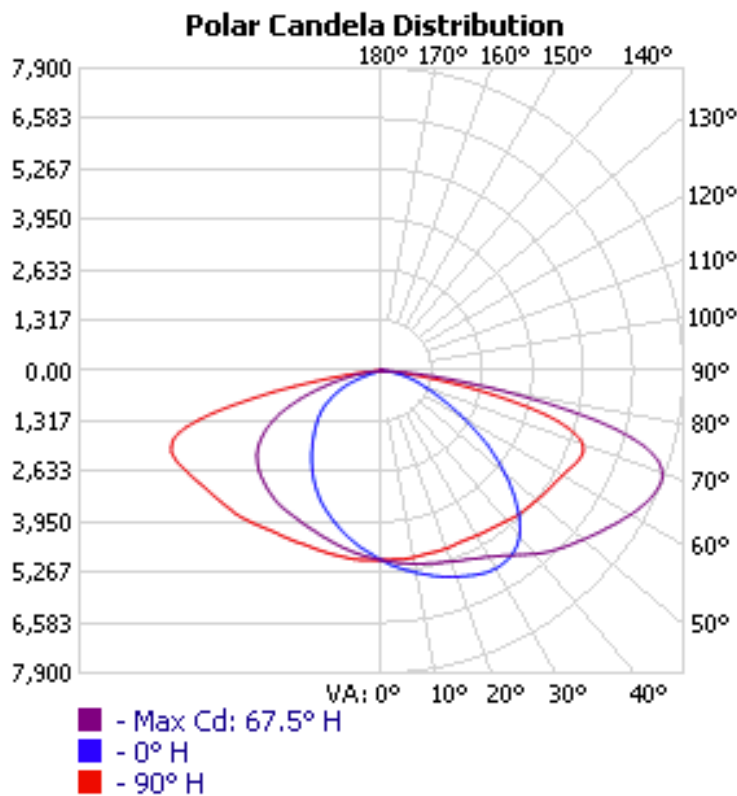
APPROVALS AND LISTINGS

DLC Premium	PHJY96M8	IP Rating	IP65
Wet Location Rated	Yes	EPA Rating	1.89 ft²
UL/ETL	cETLus	BUG Rating	B3-U3-G3

LED AND DRIVER SPECIFICATIONS

LED Type	3030	Surge Protection	L/N-PE: 10KV, L-N: 6KV
Dimmable	Yes (1-10V)	Inrush Current (A)	60A/125A
Power Factor	0.9	Driver Class	Class 2
THD	15%		

PHOTOMETRICS



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	4,130.0	19.9%	19.9%
0-40	7,180.0	34.6%	34.6%
0-60	14,535.3	70.1%	70.1%
60-90	6,079.3	29.3%	29.3%
70-100	2,726.7	13.1%	13.1%
90-120	61.8	0.3%	0.3%
0-90	20,614.6	99.4%	99.4%
90-180	125.8	0.6%	0.6%
0-180	20,740.4	100%	100%

LCS TABLE

BUG RATING	B3 - U3 - G3
FORWARD LIGHT	LUMENS LUMENS %
LOW(0-30):	2,305.0 11.1%
MEDIUM(30-60):	6,502.4 31.3%
HIGH(60-80):	3,777.0 18.2%
VERY HIGH(80-90):	364.2 1.8%

BACK LIGHT

LOW(0-30):	1,824.9 8.8%
MEDIUM(30-60):	3,904.7 18.8%
HIGH(60-80):	1,849.0 8.9%
VERY HIGH(80-90):	88.6 0.4%



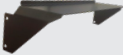
UPLIGHT

LOW(90-100):	21.8 0.1%
HIGH(100-180):	104.1 0.5%

TRAPPED LIGHT:	0.000 0%
-----------------------	----------

ILLUMINANCE AT A DISTANCE

HEIGHT(FT)	CENTER BEAM	BEAM SPREAD(FT)		FIELD SPREAD(FT)	
	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
4.00	308.97 FC	27.4	8.7	56.7	27.1
8.00	77.24 FC	54.9	17.3	113.4	54.2
12.00	34.33 FC	82.3	26.0	170.1	81.4
16.00	19.31 FC	109.7	34.7	226.7	108.5
20.00	12.36 FC	137.2	43.4	283.4	135.6
		BEAM ANGLE		FIELD ANGLE	
		147.5°	94.6°	163.9°	147.1°

MOUNTING OPTIONS			
	FL-MA4	Mounting Arm for FL4-Series Area/Flood Lights	
ACCESSORIES			
	PC1-TPT-1	Stem Mount Swivel Photocell (Compatible with Mounting Arm or Slip Fitter option only)	
			FL-SHIELD14
			Glare Shield for FL4-Series Area/Flood Lights (80W/100/150W models only)
PRODUCT KEY			

FL4

Product Series

-

Wattage

☐ 80
☐ 100
☐ 150
☐ 200
☐ 240
☐ 300
☐ 450

CCT

☐ 4 - 4000K

LENS

☐ T3 - Type III Distribution
☐ T4 - Type IV Distribution
☐ T5 - Type V Distribution

-

Voltage

☐ 1 - 100-277V
☐ 2 - 277-480V

-

Adders

Example

FL4-2404T3-1-M6P1

FACTORY INSTALLED ADDERS

Motion Sensor Adders

☐ M6 Microwave Motion Sensor, Dimmable, 120-277V (80W-300W models)
☐ M7 Microwave Motion Sensor, Dimmable, 120-277V (450W model)

Photocell Sensor Adders

☐ P1 Stem Mount Photocell, 120V (Mounting Arm and Slip Fitter Only)