



FL4-SERIES AREA LIGHT



Project	
Date	
Prepared by	
Model #	FL4-1004T3-1

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.

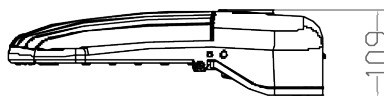
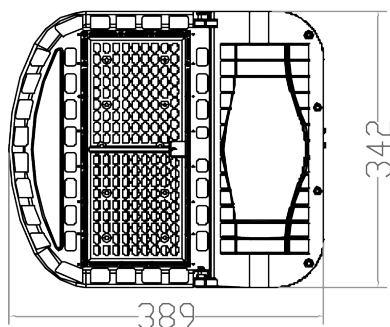
OPTICAL SPECIFICATIONS

Lumen Output (lm) ₁	14192 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	137 lm/W		

ELECTRICAL SPECIFICATIONS

Power	100W	Replacement For	Up to 400W HID or HPS/MH
Apparent Power (VA)	103.5VA	Current Draw at 120V _{AC} (A) ₂	0.835A
System Wattage (W)	103.02W	Current Draw at 208V _{AC} (A) ₂	0.53A
Input Voltage	100 - 277VAC	Current Draw at 240V _{AC} (A) ₂	0.434A
Output Voltage (VDC)	56VDC	Current Draw at 277V _{AC} (A) ₂	0.37A

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)	6.7kg / 14.77lbs
Dimensions (inch/mm)	15.3" x 13.5" x 4.3" / 389mm x 342mm x 109mm	Warranty	10 Years

APPROVALS AND LISTINGS

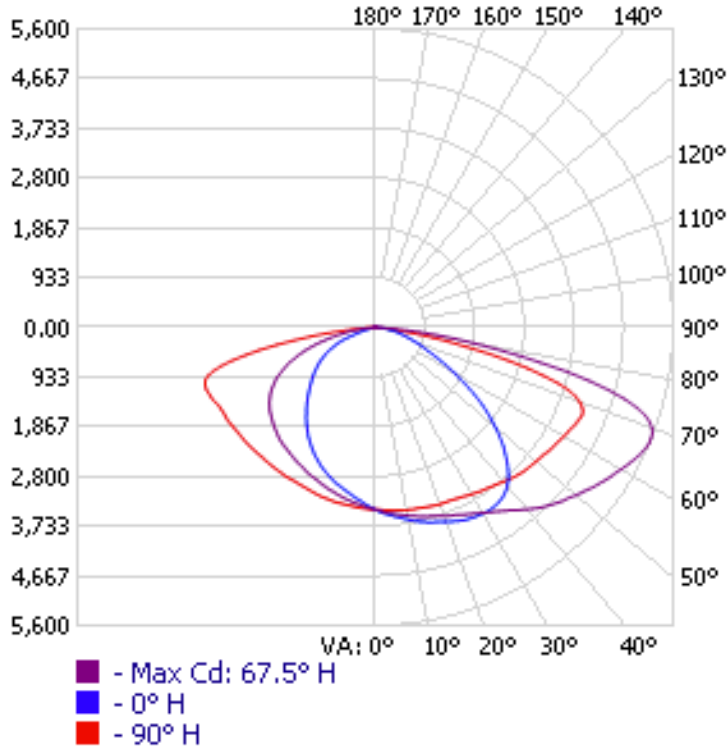
DLC Premium	P167H8XE	IP Rating	IP65
Wet Location Rated	Yes	EPA Rating	1.89 ft²
UL/ETL	cETLus	BUG Rating	B3-U2-G3

LED AND DRIVER SPECIFICATIONS

LED Type	3030	Surge Protection	L/N-PE: 10KV, L-N: 6KV
Dimmable	Yes (1-10V)	Inrush Current (A)	100A/160A
Power Factor	0.9	Driver Class	Class 2
THD	15%		

PHOTOMETRICS

Polar Candela Distribution



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,852.9	20.1%	20.1%
0-40	4,946.6	34.9%	34.9%
0-60	9,976.5	70.3%	70.3%
60-90	4,163.7	29.3%	29.3%
70-100	1,875.1	13.2%	13.2%
90-120	25.2	0.2%	0.2%
0-90	14,140.2	99.6%	99.6%
90-180	51.7	0.4%	0.4%
0-180	14,191.9	100%	100%

LCS TABLE

BUG RATING	B3 - U2 - G3
FORWARD LIGHT	LUMENS LUMENS %
LOW(0-30):	1,576.6 11.1%
MEDIUM(30-60):	4,416.5 31.1%
HIGH(60-80):	2,560.7 18%
VERY HIGH(80-90):	256.6 1.8%
BACK LIGHT	
LOW(0-30):	1,276.2 9%
MEDIUM(30-60):	2,708.3 19.1%
HIGH(60-80):	1,281.9 9%
VERY HIGH(80-90):	64.2 0.5%
UPLIGHT	
LOW(90-100):	9.2 0.1%
HIGH(100-180):	42.5 0.3%
TRAPPED LIGHT:	0.0 0%

ILLUMINANCE AT A DISTANCE

	CENTER BEAM	BEAM SPREAD(FT)	FIELD SPREAD(FT)		
HEIGHT(FT)	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
4.00	213.58 FC	27.3	9.1	57.1	26.2
8.00	53.40 FC	54.5	18.1	114.2	52.4
12.00	23.73 FC	81.8	27.2	171.4	78.6
16.00	13.35 FC	109.0	36.2	228.5	104.7
20.00	8.54 FC	136.3	45.3	285.6	130.9
		BEAM ANGLE	FIELD ANGLE		
		147.3°	97.1°	164.1°	146.0°

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	-				-		-		Adds
Product Series			CCT		Voltage				
			☐ 4 - 4000K		☐ 1 - 100-277V ☐ 2 - 277-480V				
		Wattage		LENS					
		☐ 80 ☐ 100 ☐ 150 ☐ 200 ☐ 240 ☐ 300 ☐ 450		☐ T3 - Type III Distribution ☐ T4 - Type IV Distribution ☐ T5 - Type V Distribution					

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)

1. Due to the special conditions of manufacturing, the typical data of optical specifications can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
2. Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.
3. Refer to Warranty Terms & Conditions available at premiseled.com/warranty