



| | |
|-------------|-------------|
| Project | |
| Date | |
| Prepared by | |
| Model # | FL4-804T4-2 |

FL4-SERIES AREA LIGHTS



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



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

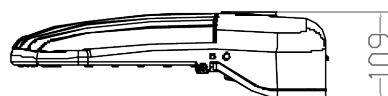
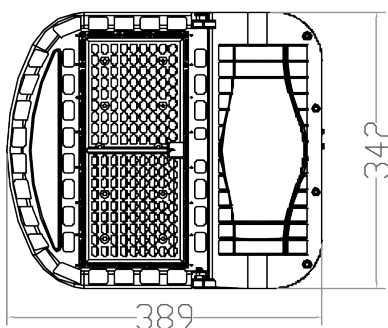
OPTICAL SPECIFICATIONS

| | | | |
|--------------------------------|----------|---------------------------------------|--------------------|
| Lumen Output (lm) ₁ | 10977 lm | Beam Angle (°) ₁ | Type IV (150°x95°) |
| 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 | 80W | Replacement For | Up to 250W HID |
| Apparent Power (VA) | 83.2VA | Current Draw at 277V _{AC} (A) ₂ | 0.257A |
| System Wattage (W) | 79.68 W | Current Draw at 347V _{AC} (A) ₂ | 0.206A |
| Input Voltage | 277-480VAC | Current Draw at 480V _{AC} (A) ₂ | 0.167A |
| Output Voltage | 56VDC | | |

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

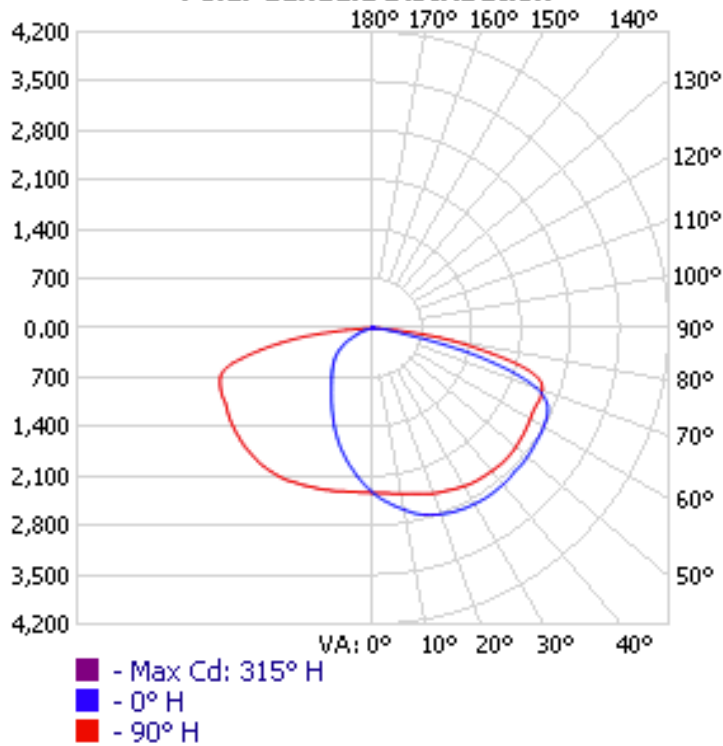
| | | | |
|--------------------|----------|------------|----------|
| DLC Premium | PWK12D07 | IP Rating | IP65 |
| Wet Location Rated | Yes | EPA Rating | 1.89 ft² |
| UL/ETL | cETLus | BUG Rating | B2-U2-G3 |

LED AND DRIVER SPECIFICATIONS

| | | | |
|--------------|-------------|--------------------|------------------------|
| LED Type | 3030 | Surge Protection | L/N-PE: 10KV, L-N: 6KV |
| Dimmable | Yes (1-10V) | Inrush Current (A) | 30A/55A |
| Power Factor | 0.9 | Driver Class | Class 2 |
| THD | 15% | | |

PHOTOMETRICS

Polar Candela Distribution



ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|--------|----------|--------|-------------|
| 0-30 | 1,935.8 | 17.6% | 17.6% |
| 0-40 | 3,322.4 | 30.3% | 30.3% |
| 0-60 | 6,780.1 | 61.8% | 61.8% |
| 60-90 | 4,158.9 | 37.9% | 37.9% |
| 70-100 | 2,240.6 | 20.4% | 20.4% |
| 90-120 | 21.5 | 0.2% | 0.2% |
| 0-90 | 10,939.1 | 99.7% | 99.7% |
| 90-180 | 37.9 | 0.3% | 0.3% |
| 0-180 | 10,976.9 | 100% | 100% |

LCS TABLE

| BUG RATING | B2 - U2 - G3 | |
|-------------------|--------------|----------|
| FORWARD LIGHT | LUMENS | LUMENS % |
| LOW(0-30): | 1,134.3 | 10.3% |
| MEDIUM(30-60): | 3,258.1 | 29.7% |
| HIGH(60-80): | 2,916.1 | 26.6% |
| VERY HIGH(80-90): | 394.5 | 3.6% |
| BACK LIGHT | | |
| LOW(0-30): | 801.4 | 7.3% |
| MEDIUM(30-60): | 1,587.1 | 14.5% |
| HIGH(60-80): | 788.8 | 7.2% |
| VERY HIGH(80-90): | 59.0 | 0.5% |
| UPLIGHT | | |
| LOW(90-100): | 8.1 | 0.1% |
| HIGH(100-180): | 29.8 | 0.3% |
| TRAPPED LIGHT: | 0.0 | 0% |

ILLUMINANCE AT A DISTANCE

| HEIGHT(FT) | CENTER BEAM | BEAM SPREAD(FT) | | FIELD SPREAD(FT) | |
|------------|-------------|-----------------|----------|------------------|----------|
| | FOOTCANDLE | HORIZONTAL | VERTICAL | HORIZONTAL | VERTICAL |
| 4.00 | 145.94 FC | 13.4 | 9.6 | 27.5 | 32.3 |
| 8.00 | 36.48 FC | 26.9 | 19.1 | 54.9 | 64.7 |
| 12.00 | 16.22 FC | 40.3 | 28.7 | 82.4 | 97.0 |
| 16.00 | 9.12 FC | 53.7 | 38.2 | 109.8 | 129.3 |
| 20.00 | 5.84 FC | 67.2 | 47.8 | 137.3 | 161.7 |
| | | BEAM ANGLE | | FIELD ANGLE | |
| | | 118.4° | 100.1° | 147.5° | 152.2° |

MOUNTING OPTIONS



FL-MA4

Mounting Arm for FL4-Series
Area/Flood Lights

ACCESSORIES



FL-SHIELD14

Glare Shield for FL4-Series Area/
Flood Lights (80W/100/150W
models only)

PRODUCT KEY

| | | | | | | | | | |
|-----------------------|---|---|------------------------------------|--|--|--|---|--|--------|
| FL4 | - | | | | - | | - | | Adders |
| Product Series | | | CCT | | Voltage | | | | |
| | | | <input type="checkbox"/> 4 - 4000K | | <input type="checkbox"/> 1 - 100-277V <input type="checkbox"/> 2 - 277-480V | | | | |
| | | Wattage | | LENS | | | | | |
| | | <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 150 <input type="checkbox"/> 200 <input type="checkbox"/> 240 <input type="checkbox"/> 300 <input type="checkbox"/> 450 | | <input type="checkbox"/> T3 - Type III Distribution <input type="checkbox"/> T4 - Type IV Distribution <input type="checkbox"/> T5 - Type V Distribution | | | | | |

Example
FL4-2404T3-2-M6

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)

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