

## APPLICATIONS

Our CLMAL-30 series is a group of premium architectural/commercial LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a wide variety of other large, general site lighting applications. Multiple mounting options make the CLMAL-30 a versatile luminaire for flood lighting, pole-, ground- and wallmounted area lighting, and other outdoor lighting requirements.



## FEATURES

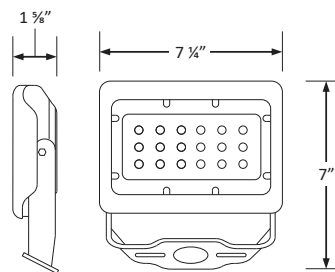
- Available in 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide 372,000 hours of operation with at least 70% of initial lumen output ( $L_{70}$ ).\*\*
- CLMAL-30 provides 3,404 lumens (113 lumens per watt, LPW) at 3000k; 3,427 lumens (114 LPW) at 4000k; and 3,432 lumens (114 LPW) at 5000k.\*
- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Optional glare shields (full & half) & wire guards are available.
- Die cast aluminum housing with durable, dark bronze powder coat finish—at least 2 mils thick on all surfaces—and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are:
  - Front = 0.12 s.f. (knuckle) / 0.10 s.f. (yoke)
  - Side = 0.15 s.f. (knuckle) / 0.09 s.f. (yoke)
  - Face = 0.55 s.f. (knuckle) / 0.42 s.f. (yoke)
  - Easy installation in new construction or retrofit applications.

\* Contact factory for other color temperatures and lumen packages.

\*\*  $L_{70}$  hours are IES TM-21-11 calculated hours.



## DIMENSIONS



## MOUNTING OPTIONS

- Aluminum die-cast knuckle-mount option is installed on a junction box. Includes 1/2" NPS stem with locking nut.
- Yoke-mount option provides secure attachment to flat surfaces.

## WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- IP66 rated for ingress protection.
- DLC premium approved.
- Rated for 3G vibration.
- Lens is IK 8 rated for protection from external impacts.
- Salt fog tested for 1,000 hours (ASTM B117). After salt fog testing, paint rated at 9 per ASTM D1654-05 scratch test.
- Complies with FCC Part 15, class B.
- Complies with EN61000-4-5, surge immunity protection (2.5kV).
- 5-Year Warranty of all electronics and housing.

## PRODUCT PARAMETER

| MODEL    | LUMINAIRE WATTS | LUMINAIRE LUMENS | LUMENS PER WATT | MOUNTING OPTIONS                    | COLOR TEMPERATURE | SHIELDS & WIRE GUARDS (SEE LINE DRAWINGS)   |
|----------|-----------------|------------------|-----------------|-------------------------------------|-------------------|---|
| CLMAL-30 | 30              | 3404             | 113             | K = Knuckle Mount<br>Y = Yoke Mount | 30 = 3000k        | -30FGS = Full Glare Shield, 30W<br>-30HGS = Half Glare Shield, 30W<br>-30WG = Wire Guard, 30W |
|          | 30              | 3427             | 114             |                                     | 40 = 4000k        |   |
|          | 30              | 3432             | 114             |                                     | 50 = 5000k        |   |

## ELECTRICAL DATA

| MODEL      | COLOR TEMP. | CRI <sup>1</sup> | LUMINAIRE LUMENS | LUMINAIRE WATTS | LUMENS/WATTS | INPUT VOLTAGE <sup>2</sup> | INPUT CURRENT (A) |      |      | POWER FACTOR | THD <sup>3</sup> | L <sub>70</sub> HOURS <sup>4</sup> |
|------------|-------------|------------------|------------------|-----------------|--------------|----------------------------|-------------------|------|------|--------------|------------------|------------------------------------|
|            |             |                  |                  |                 |              |                            | 120V              | 240V | 277V |              |                  |                                    |
| CLMAL-3030 | 3000k       | >80              | 3404             | 30              | 113          | 120-277                    | 0.25              | 0.13 | 0.11 | >90%         | <20%             | 372,000                            |
| CLMAL-3040 | 4000k       | >80              | 3427             | 30              | 114          | 120-277                    | 0.25              | 0.13 | 0.11 | >90%         | <20%             | 372,000                            |
| CLMAL-3050 | 5000k       | >80              | 3432             | 30              | 114          | 120-277                    | 0.25              | 0.13 | 0.11 | >90%         | <20%             | 372,000                            |

<sup>1</sup> Color rendering index.

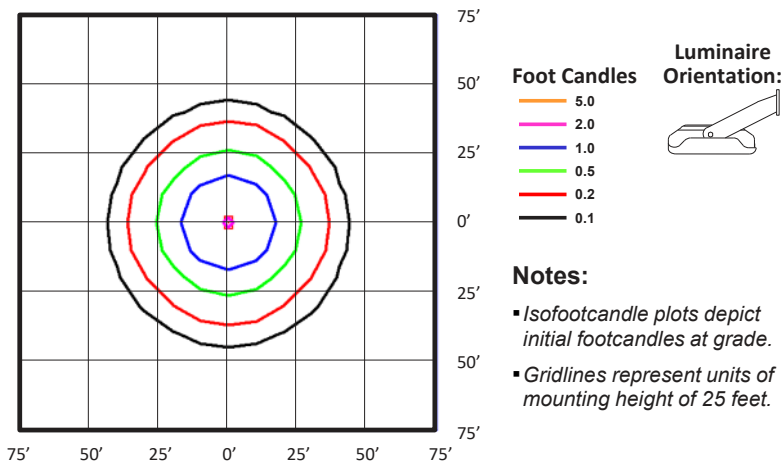
<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

### CLMAL-3030 (3,404 Lumens, Type V Distribution)

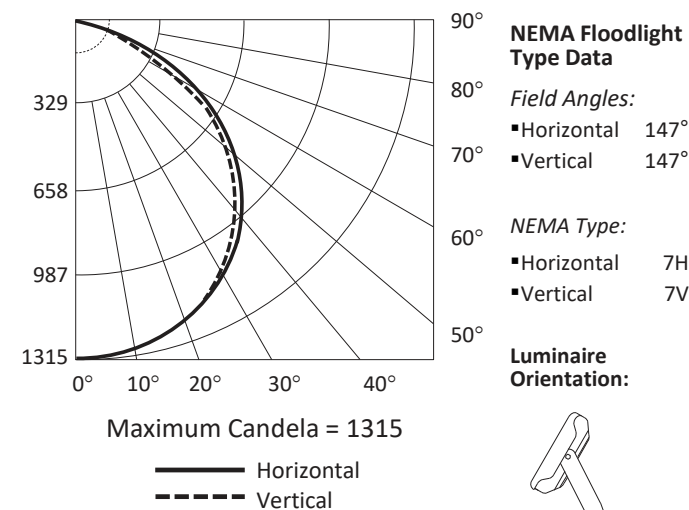


#### Notes:

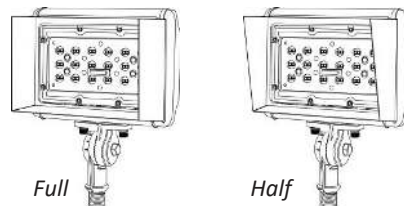
- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.

#### BUG Rating: B1-U1-G0

| Zone                            | Lumens       | %           |
|---------------------------------|--------------|-------------|
| FL - Front - Low (0-30)         | 514          | 15%         |
| FM - Front - Medium (30-60)     | 976          | 29%         |
| FH - Front - High (60-80)       | 233          | 7%          |
| FVH - Front - Very High (80-90) | 6            | 0%          |
| <b>Total Forward Light</b>      | <b>1,729</b> | <b>51%</b>  |
| BL - Back - Low (0-30)          | 513          | 15%         |
| BM - Back - Medium (30-60)      | 957          | 28%         |
| BH - Back - High (60-80)        | 200          | 6%          |
| BVH - Back - Very High (80-90)  | 5            | 0%          |
| <b>Total Back Light</b>         | <b>1,675</b> | <b>49%</b>  |
| UL - Up Light - Low (90-100)    | 0            | 0%          |
| UH - Up Light - High (100-180)  | 0            | 0%          |
| <b>Total Up Light</b>           | <b>0</b>     | <b>0%</b>   |
| <b>Total Lumens</b>             | <b>3,404</b> | <b>100%</b> |



#### Shields



#### Wire Guards

