

**Celesteon**  
LED high mast luminaire





# High output and efficiency. Easy install and affordability.

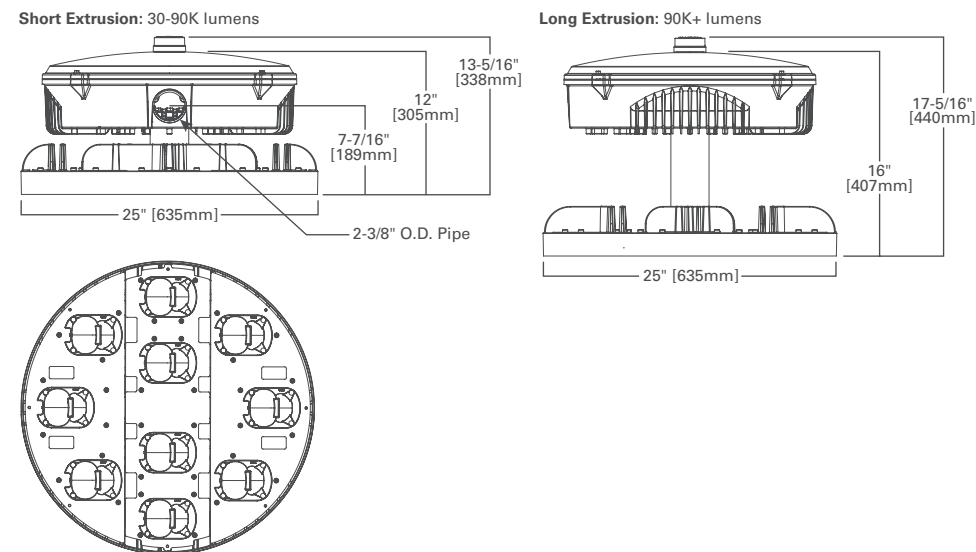
The Celesteon LED high mast luminaire combines high output and efficiency with easy install and affordability. Designed for new and retrofit high-lumen applications, the Celesteon LED high mast is ideal for highways, interchanges, ports, rail yards, container yards, parking lots, correctional facilities, security lighting, treatment plants and other facilities in need of high lumen packages with accurate optical control.

## Key features and benefits

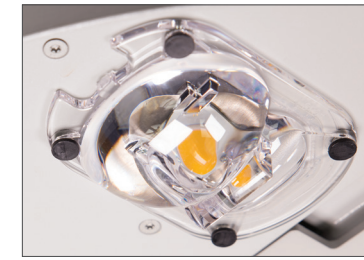
- 8 lumen packages with an industry leading output of 116,100 lumens and maximum efficacy of 175 lm/W
- A choice of seven high efficiency optics available in Type I, II, III, IV, V and Type V narrow and round, precisely designed to shape the distribution, maximizing efficiency and application spacing
- 345° field-rotatable optical assembly. For the ultimate level of spill light control, an optional house side shield accessory is available and can be field or factory installed
- Offered in 2200K, 2700K, 3000K, 4000K, 5000K, or 5700K CCT (70CRI standard)
- Greater than 83 percent lumen maintenance at 60,000 hours
- Durable mechanical design with IP66 optics and housing, 3G vibration rating, 4-bolt mounting
- Robust series or parallel surge protection options with 10kV or 20kV rating
- Control options include 0-10V dimming, NEMA 3- or 7-PIN twistlock photocontrol receptacle
- Optional proprietary coating and stainless hardware for coastal area construction, meeting or exceeding ISO 12994 C4 classification



## Dimensions



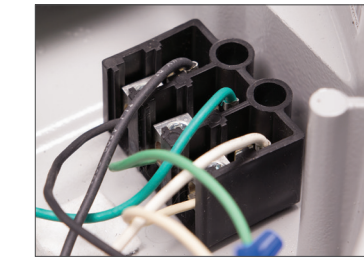
## Design features



High efficiency LEDs



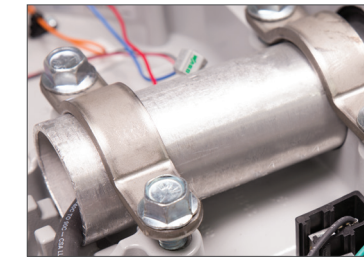
Surge protection



Terminal block

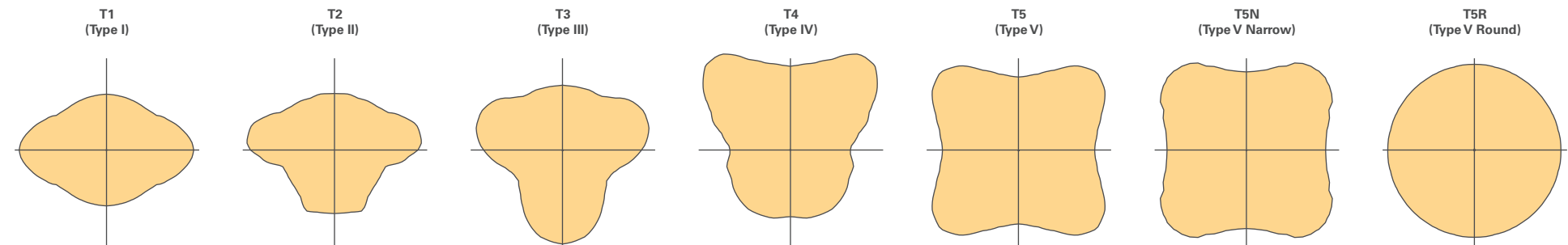


3 or 7-PIN NEMA receptacle



4-bolt mounting

## Photometrics



## Technical specifications

### Performance

**Distributions:** Type I, II, III, IV, V, V narrow, and V round  
**Lumens:** 30,000 - 116,100  
**CCT/CRI:** 2200K / 70 CRI, 2700K / 70 CRI, 3000K / 70 CRI, 4000K / 70 CRI, 5000K / 70 CRI, 5700K / 70 CRI  
**Controls:** 0-10V, occupancy sensor, 3 or 7-PIN NEMA twistlock photocontrol receptacle

### Energy data (Electronic LED driver)

**Power factor:** >0.9  
**Total harmonic distortion:** <20%  
**Minimum temperature:** -40°C  
**Ambient temperature rating:** 50°C  
**Operation:** 120-277V 50/60Hz

### Additional information

**Warranty:** 5 year  
**Vibration tested:** 3G  
**UL/cUL listed:** Wet location  
**IP66 rated:** Yes, Optics (Housing optional)  
**ISO 9001:** Certified  
**RoHS:** Compliant

### Approximate net weight:

Up to 65 lbs. (29.48 kgs.)

### Effective projected area (EPA) square feet:

**Short extrusion:** 1.13 - 3.57  
**Long extrusion:** 1.25 - 3.62



Product specifications subject to change without notice.  
 Visit cooperlighting.com to find the most up to date information.

### **Lighting Product Lines**

Ametrix  
AtLite  
Corelite  
Ephesus  
Fail-Safe  
Halo  
Halo Commercial  
Invue  
io  
Iris  
Lumark  
Lumière  
McGraw-Edison  
Metalux  
MWS  
Neo-Ray  
Portfolio  
RSA  
Shaper  
Streetworks  
Sure-Lites

### **Controls Product Lines**

Fifth Light Technology  
Greengate  
iLight (International Only)  
iLumin  
Zero 88

### **Connected Lighting Systems**

Distributed Low-Voltage Power  
HALO Home  
iLumin Plus  
LumaWatt Pro  
WaveLinx



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