Celesteon
LED high mast luminaire

COOPER
Lighting Solutions

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.
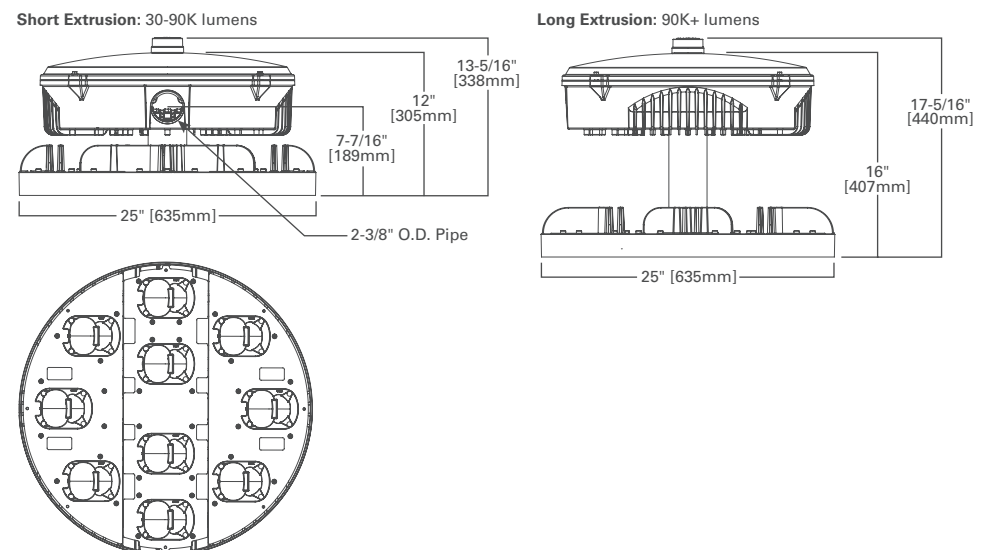
Key features and benefits

- 40 lumen packages with an industry leading output of 103,500 lumens and maximum efficacy of 167 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 standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 2700K (80 CRI), 3000K (70 CRI), 5000K (70 CRI) CCT are available

- Greater than 86 percent lumen maintenance at 100,000 hours

- Durable mechanical design with IP66 optics and housing, 3G vibration rating, 4-bolt mounting

- Robust 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

High-performance efficacy up to
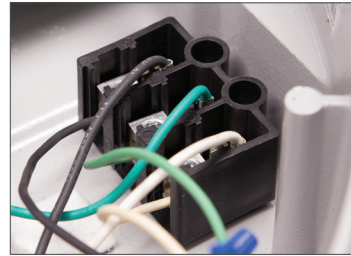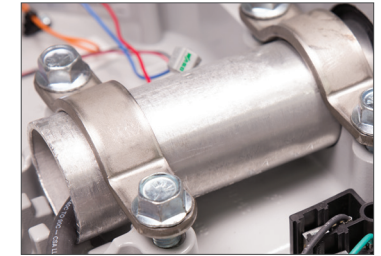
167

lumens per watt

Dimensions

Short Extrusion: 30-90K lumens

13-5/16" [338mm]
12" [305mm]
7-7/16" [189mm]
25" [635mm]
2-3/8" O.D. Pipe

Long Extrusion: 90K+ lumens

17-5/16" [440mm]
16" [407mm]
25" [635mm]

Design features

High efficiency LEDs

Surge protection

Terminal block

3 or 7-PIN NEMA receptacle

4-bolt mounting

Photometrics

| T1 (Type I) | T2 (Type II) | T3 (Type III) | T4 (Type IV) | T5 (Type V) | T5N (Type V Narrow) | T5R (Type V Round) |
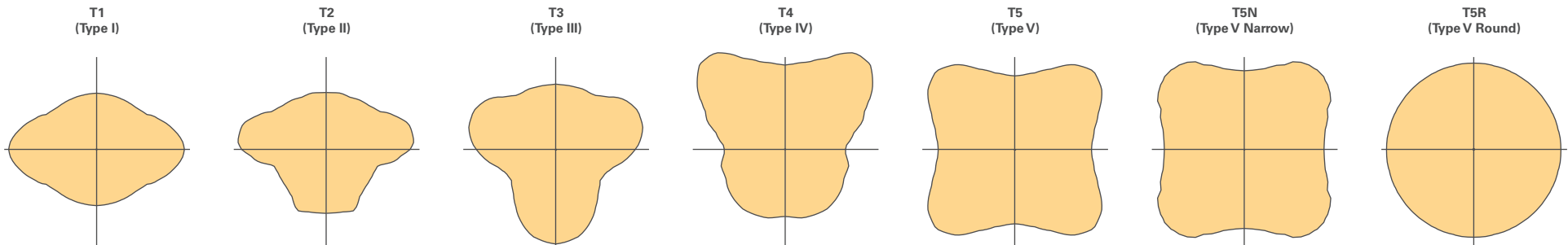
Technical specifications

Performance

Distributions: Type I, II, III, IV, V, V narrow, and V round

Lumens: 30,000 - 103,500

CCT/CRI: 4000K / 70 CRI, 3000K / 70 CRI, 5000K / 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