



CODE • MASTER™ LED FACTORY SEALED LUMINAIRES

FEATURES

- Fixture operates safely in high ambient temperatures -40°C up to +65°C (-40°F up to +149°F)
- 60,000+ hours rated life eliminates the need for frequent relamping

Nominal Lumens	HID Equivalent	Model Number
3,700	100W	CMLED10
5,400	150W	CMLED15
7,900	175W	CMLED17
10,000	250W	CMLED25
11,600	350W	CMLED35
13,600	400W	CMLED40
16,700	600W	CMLED75
19,300	750W	CMLED90

- Arrangement of heat-producing components results in more efficient heat dissipation for cooler fixture operation.
- All threaded joints are flame-tight.
- Fixture housing and mounting hoods are copperfree cast aluminum with baked epoxy finish. All exposed hardware is stainless steel.
- Aluminum body utilizes the same Code • Master HID mounting hoods, and is an easy retrofit for existing Code • Master HID installations; can be pendant, ceiling, wall, or stanchion mounted.
- Acme double-lead threads speed installation and fixture removal from mounting hood – only half as many turns are required as for single-lead threads. The threads do not stick or gall, eliminating the troublesome problems often encountered with single lead threads during fixture unit removal.
- Safe, easy servicing without disconnecting any wiring. “Wireless” fixture unit easily threads off mounting hood for convenient servicing or for immediate replacement with a “stand-by” unit.
- Factory sealed. External seals not required.

- Globe and driver are all field replaceable.
- LED arrays generate light outputs from 3,700 to 19,000+ lumens (an equivalent of 100 W HID to 750 W HID lamps) providing exceptional efficacy
- Choice of replaceable clear or diffused glass globe.
- Universal, high efficiency, drivers cover voltage requirements for 120-277 Vac 50/60 Hz, 125-300 Vdc and 347-480 Vac, 50/60 Hz, Volts +/- 10%.
- 6KV standard surge suppression for 347-480 Vac and 120-277 Vac input
- Photometric data and electronic drawings available upon request.

SUITABLE LOCATIONS

- Explosionproof fixtures suitable for use in:
 - A wide range of hazardous areas where ignitable vapors, dust, moisture and corrosive elements are present
 - Areas where access to relamp is difficult, reliability is essential, and environment is costly to maintain. Consistent light levels maintained regardless of cold temperatures
 - Areas requiring frequent on-and-off of lights or power cycling- no warm up time required
 - Type 4X, marine, wet locations and hose-down environments
 - Areas with high energy costs- Code • Master LED consumes 50% less power than its HID equivalent
- Typical applications include:
 - Chemical
 - Oil, Gas, and Petrochemical
 - Pulp and Paper
 - Foundries
 - Manufacturing
 - Waste and sewage treatment
 - Pharmaceutical
 - Mining
 - Power Generation

STANDARD MATERIALS

- Mounting hoods and bodies: cast copperfree (4/10 of 1% max.) aluminum
- All hardware and catch assemblies: stainless steel
- Gaskets: silicone
- Globe: explosionproof glass in clear or diffused

STANDARD FINISHES

- Mounting hoods, bodies, and guards: baked gray epoxy clad finish, electrostatically applied for complete uniform protection

NEC/CEC RATINGS

- Class I, Division 1 and 2, Groups B, C, D ①
- Class I, Zone 1, Groups IIA, IIB, IIB + H2
- Class II, Division 1, Group E, F, G
- Class II, Division 2, Group F, G
- Class III
- Simultaneous Exposure
- Type 3R, 4X
- IP66/67
- Suitable for Use in Wet Locations
- Marine Outside Type (Salt Water)

NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standard: UL 50, UL 50E, UL 844, UL 1598, UL 1598A, UL 8750
- CSA Standard: CAN/CSA-C22.2 No. 94.1-07 (R2012), No. 94.2-07 (R2012), No. 137-M1981 (R2009), No. 250.0-08 (R2013), No. 250.13, No. 60529-05 (R2010)
- ANSI Standard: ANSI/IEC 60529
- cCSAus Certified: 70030675

① For Group B applications a Group B rated mounting hood must be used.



Efficient heat dissipation for optimum T rating and safe operation in high and low ambient temperatures

Delivering up to 132 lumens per Watt, easily accessed with removal of the threaded globe assembly

NEMA 4x cast copperfree aluminum body with baked epoxy powder coat finish for durability and corrosion resistance

Choice of clear glass lens or diffused lens to reduce glare in low ceiling applications

Optional lens guard to protect against breakage



Field replaceable driver to quickly maintain your luminaire with minimal downtime

Optional fuse to protect circuits against power quality problems

		CMLED10	CMLED15	CMLED17	CMLED25	CMLED35	CMLED40	CMLED75	CMLED90	
Equivalent to HPS/PSMH		100 Watt	150 Watt	175 Watt	250 Watt	350 Watt	400 Watt	600 Watt	750 Watt	
Voltage Range	BU	120-277 Vac, 50/60 Hz				N/A	120-277 Vac, 50/60 Hz or 125 – 300 Vdc			
	BH	347-480 Vac, 50/60 Hz								
LED Lumens (Clear Globe)		3,700	5,400	7,900	10,000	11,600	13,600	16,700	19,300	
Input Power (W) @ 120 Vac		30	45	60	76	91	103	132	157	
Efficacy (NEMA Type V, 5000K @ +40°C/F)		123	120	132	130	128	131	126	123	
T-Rating		T6							T5	
Ambient Temperature		-40°C up to +65°C (-40°F up to +149°F)			-40°C up to +50°C (-40°F up to +122°F)		-40°C up to +65°C (-40°F up to +149°F)		-40°C up to +55°C (-40°F up to +131°F)	
CCT/CRI		3000K, 4000K, 5000K/80								
Fixture Weight		17 kg (38 lbs)								
Standard Materials		Baked gray epoxy clad finish, electrostatically applied for complete, uniform protection								
Lifetime		60,000+ hours								

Product Ordering Guide

CMLED	A	17	5	N	G	5	BU	C
Series: CMLED - Code • Master LED	Mounting: A - Pendant C - Ceiling S - 25° Stanchion W - Wall Blank - No Mounting Hood	Lumen Output (Nominal): 10 - 3,700 15 - 5,400 17 - 7,900 25 - 10,000 35 - 11,600 40 - 13,600 75 - 16,700 90 - 19,300	Hub Size: 2 - 3/4" NPT 3 - 1" NPT 4 - 1-1/4" NPT stanchion 5 - 1-1/2" NPT stanchion Blank - No hub size needed if no mounting hood	Color Temperature (CCT): Blank - Cool, 5000K N - Neutral, 4000K W - Warm, 3000K	Optical Assembly: G - Clear Glass Globe D - Diffused Glass Globe	Light Distribution Pattern: 5 - NEMA Type V Symmetrical W - NEMA Type V Wide	Voltage: BU - Universal Voltages 120-277 Vac, 50/60 Hz, or 125-300 Vdc BH - 347-480 Vac, 50/60 Hz	Options: C - Safety Cable F - Fusing Ⓞ G - Lens Guard Blank - No Options

Example: CMLEDA175G5BUC

Ⓞ Use of a fuse voids Marine Outside Type (Salt Water) rating.