Code•Master™ LED Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof
Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D ① | Class I, Zone 1, Groups IIA, IIB, IIB + H_2 | Class II, Division 1, Group E, F, G | Class II, Division 2, Group F, G | Class III | Type 3R, 4X | IP66/67 | Simultaneous Exposure | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⌘ | Approved for use in Paint Spray Booths

Applications

- 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% or more 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
  - — Paint Spray Booths
  - — Hydrogen and Biofuels plants
  - — LNG (Liquid Natural Gas) plants

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.
- Choice of color temperature (CCT): 5000K cool white, 4000K neutral white or 3000K warm white.
- Choice of optics for optimal light distribution in a variety of applications, NEMA Type V and Type V Wide.
- 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%.
- 6 kV standard surge suppression for 347-480 Vac and 120-277 Vac input.
- Heavy duty, high temperature silicone gaskets.
- Reported L70 is > 76,000 hours.
- Photometric data and electronic drawings available upon request.
- Approved for use in paint spray booths.
- 5 year standard warranty.

Standard Materials

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

Standard Finishes

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

Options

- Safety cable, add suffix -**C**.
- Lens guard, add suffix -**G**.
- Fusing, add suffix -**F** ⌘.

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); CAN/ CSA-C22.2 No. 94.2-07 (R2012); CAN/CSA-C22.2 No. 137- M1981 (R2009); CAN/ CSA-C22.2 No. 250.0-08 (R2013); CAN/ CSA-C22.2 No. 250.13; CAN/ CSA-C22.2 No. 60529-05 (R2010)
- ANSI Standard: ANSI/IEC 60529
- cCSAus Certified: 70030675

Design Lights™ Consortium

- Check DLC QPL for current list of products

Related Products

- Code•Master Jr. LED Factory Sealed Luminaires
- A-51 LED Factory Sealed Luminaires

Note: Complete Code•Master LED luminaire consists of fixture unit and a mounting hood.
⌘ Use of a fuse voids Marine Outside Type (Salt Water) rating.

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Catalog Number for Driver Housing and Globe

	HID Equivalent	CCT	Optics	Weight in kg (lb)	Clear Globe ①②③④⑤	Diffused Globe ②③④⑤
	100W	5000K	Type V	17.2 (38)	**CMLED10G5**	**CMLED10D5**
	150W	5000K	Type V	17.2 (38)	**CMLED15G5**	**CMLED15D5**
	175W	5000K	Type V	17.2 (38)	**CMLED17G5**	**CMLED17D5**
	250W	5000K	Type V	17.2 (38)	**CMLED25G5**	**CMLED25D5**
	350W	5000K	Type V	17.2 (38)	**CMLED35G5**	**CMLED35D5**
	400W	5000K	Type V	17.2 (38)	**CMLED40G5**	**CMLED40D5**
	600W	5000K	Type V	17.2 (38)	**CMLED75G5**	**CMLED75D5**
	750W	5000K	Type V	17.2 (38)	**CMLED90G5**	**CMLED90D5**

Mounting Hoods

	Hub Size Inches	Certified for Class I, Division 1 and 2, Group cULus Certified	Weight in kg (lbs)	Catalog Number
Pendant — One Hub				
	3/4" NPT	B, C, D	0.80 (1.77)	**CAP-75**
	1" NPT	B, C, D	0.57 (1.25)	**CAP-100**
Ceiling — Four hubs, Three Close-Up Plugs				
	3/4" NPT	B, C, D	1.48 (3.26)	**CAC-75**
	1" NPT	B, C, D	1.40 (3.09)	**CAC-100**
Bracket — Four hubs, Three Close-Up Plugs				
	3/4" NPT	B, C, D	2.69 (5.92)	**CALB-75**
	1" NPT	B, C, D	2.72 (6.00)	**CALB-100**
25° Stanchion — One Hub				
	1-1/4" or 1-1/2" NPT ⑦	C, D	0.98 (2.16)	**CAS-150**
CAS-150				
	1-1/2" NPT	B, C, D	3.74 (8.25)	**CAS-150B** ⑧
CAS-150B				

*① For other lumen options, change the 6th and 7th digits in the part number. **10** for 3,700, **15** for 5,400, **17** for 7,900, **25** for 10,000, **35** for 11,600, **40** for 13600, **75** for 16700, or **90** for 19300. Example: from 3,700 lumens CMLED**10**G5 to 10,000 lumens CMLED**25**G5.*

*② For other CCT options, change the 8th digit in part number from "**W**" to "**N**" for Neutral 4000K CCT or **remove** the "W" for Cool 5000K CCT. Example: CMLED10**W**G5 to "**N**" for 4000K, CMLED10**N**G5, or CMLED10**W**G5 to **Blank** for 5000K, CMLED10G5.*

*③ To change from a NEMA Type V Symmetrical to a NEMA Type V Wide light distribution pattern, change the 9th digit in part number from "**5**" to "**W**". Example: CMLED10DW.*

*④ For 120-277 Vac, 50/60 Hz, add suffix **-BU** to catalog number. For 347-480 Vac, 50/60 Hz, add suffix **-BH** to catalog number. Example: CMLED10G5**BU**.*

*⑤ For fusing add "**F**" to end of catalog number. Example: CMLED10G5BUF.*

⑥ Guards are available for fixtures with globe or refractor. See following pages for accessory ordering information.

⑦ 1-1/2" tapped hub furnished with 1-1/2" to 1-1/4" reducer.

⑧ When using the 25° Stanchion mounting hood in group B applications part number CAS-150B must be used.

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