

Code•Master™ LED Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D ★
Class I, Zone 1, Group IIB + H₂
Class II, Division 1, Group E, F, G
Class II, Division 2, Group F, G
Class III

NEC/CEC:

Simultaneous Exposure
Type 3R, 4X
IP66/67
Suitable for Use in Wet Locations
Marine Outside Type (Salt Water) *

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% 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

Features

- Fixture operates safely in high ambient temperatures
 - 70 W equivalent: -40 °C to +65 °C (-40 °F to +149 °F)
 - 100 W equivalent: -40 °C to +65 °C (-40 °F to +149 °F)
 - 150 W equivalent: -40 °C to +55 °C (-40 °F to +131 °F)
 - 175 W equivalent: -40 °C to +50 °C (-40 °F to +122 °F)
 - 250 W equivalent: -40 °C to +50 °C (-40 °F to +122 °F)
 - 350 W equivalent: -40 °C to +50 °C (-40 °F to +122 °F)
 - 400 W equivalent: -40 °C to +55 °C (-40 °F to +131 °F)
- 60,000 hours rated life eliminates the need for frequent relamping.
- 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, driver and LED array are all field replaceable.
- LED arrays generate light outputs from 2,580 to 13,730 lumens (an equivalent of 70 W HID to 400 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 and 347-480 Vac, 50/60 Hz, Volts +/- 10%.
- Standard surge suppression:
 - 3KV for 347-480 Vac input
 - 4KV for 120-277 Vac input

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 ①★.

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

① Canadian Electrical Code does NOT allow fusing in hazardous locations. Fuse not CEC rated.

★ Complete Code•Master LED luminaire consists of fixture unit and a mounting hood. For Group B applications a Group B rated mounting hood must be used.

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

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LED/AREA: NEC/CEC EXPLOSIONPROOF/ATEX/IECEx FLAMEPROOF/INCREASED SAFETY

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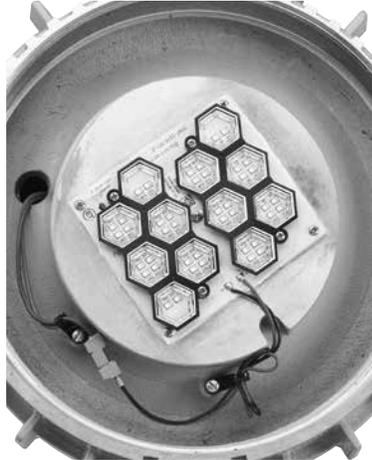
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Illustrated Features



Mounting Hood Compatibility

Code•Master LED is compatible with existing Code•Master mounting hoods. For easy installation, install and wire the mounting hood and simply thread in fixture. Double lead Acme threads are provided for ease of installation.



Replaceable LED Array

Replacement LED arrays are available and can be easily installed in the field. Unthread the glass globe assembly to access the LED array.



Driver Assembly

Utilizing non-sparking components avoiding the ignition of gases or vapors that may be present (nA). Driver can be easily accessed and replaced.



Rugged and Durable Housing

Mounting hoods and bodies are copper free aluminum with baked epoxy-clad finish, electrostatically applied for complete uniform protection.



Replaceable Globe Assembly

The replaceable globe assembly is available with clear glass.



Optional Fusing *

Fuse kit includes fuse, fuse holder and necessary hardware for field installation.



Optional Wire Guard

Stainless steel wire guard can be used for additional protection.

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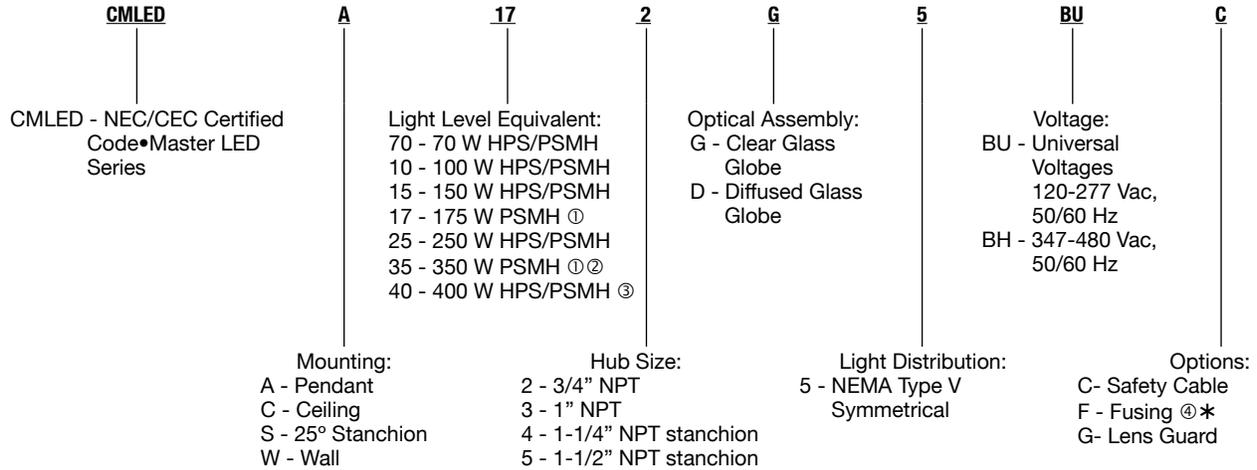
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Order using catalog numbering guides below or select catalog number from tables on following pages.

Catalog Numbering Guide — NEC/CEC Certified Mercmaster LED



① Pulse Start Metal Halide only. Does not have a High Pressure Sodium equivalent.

② Available for use with the BH voltage only (347-480 Vac, 50/60 Hz).

③ Available for use with the BU voltage only (120-277 Vac, 50/60 Hz).

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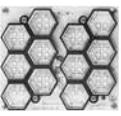
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Accessories and Replacement Parts

	Description	Catalog Number
Fuse Kits *		
	3 Amp for 120-277 Vac, 70 thru 250 Watt Equivalent	CMLEDF-3
	5 Amp for 120-277 Vac, 400 Watt Equivalent	CMLEDF-5
	2 Amp for 347-480 Vac, 70 thru 350 Watt Equivalent	CMLEDF-2
Globes and Gaskets		
	Clear Globe Assembly	CGL-CLEAR
	Diffused Globe Assembly	CGL-DIFF
	Stainless Steel Wire Guard	CMLEDGU
	Safety Cable	CMLEDSC
	Yoke Bracket	CMLEDYOKE
LED Array		
	70 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED70A5W
	100 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED10A5W
	150 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED15A5W
	175 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED17A5W
	250 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED25A5W
	350 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED35A5W
	400 Watt Equivalent LED Array Assembly, Type V, White LED's	CMLED40A5W
Drivers		
	120-277 V Driver (70 thru 250 Watt equivalent only)	CMLEDBU
	347-480 V Driver (70 thru 350 Watt equivalent only)	CMLEDBH
	120-277 V Driver (400 Watt equivalent only)	CMLEDBU40

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