

Code•Master™ LED Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof

Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓢ | 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 | 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.

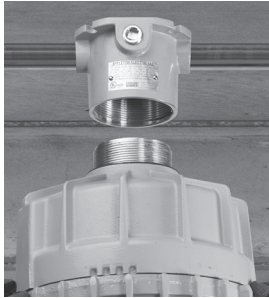
Ⓢ Use of a fuse voids Marine Outside Type (Salt Water) rating.

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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.



Rugged and Durable Housing

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



Optional Safety Cable

Provides secondary retention for lighting fixtures.



Driver Assembly

Driver can be easily accessed and replaced.



Optional Fusing ⚡

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



Optional Trunnion/Yoke Mount

Trunnion/yoke mount allows the fixture to be aimed in a desired position.



Replaceable Globe Assembly

The replaceable globe assembly is available with clear or diffuse glass.



Optional Wire Guard

Stainless steel wire guard can be used for additional protection.

Note: Complete Code•Master LED luminaire consists of fixture unit and a mounting hood.

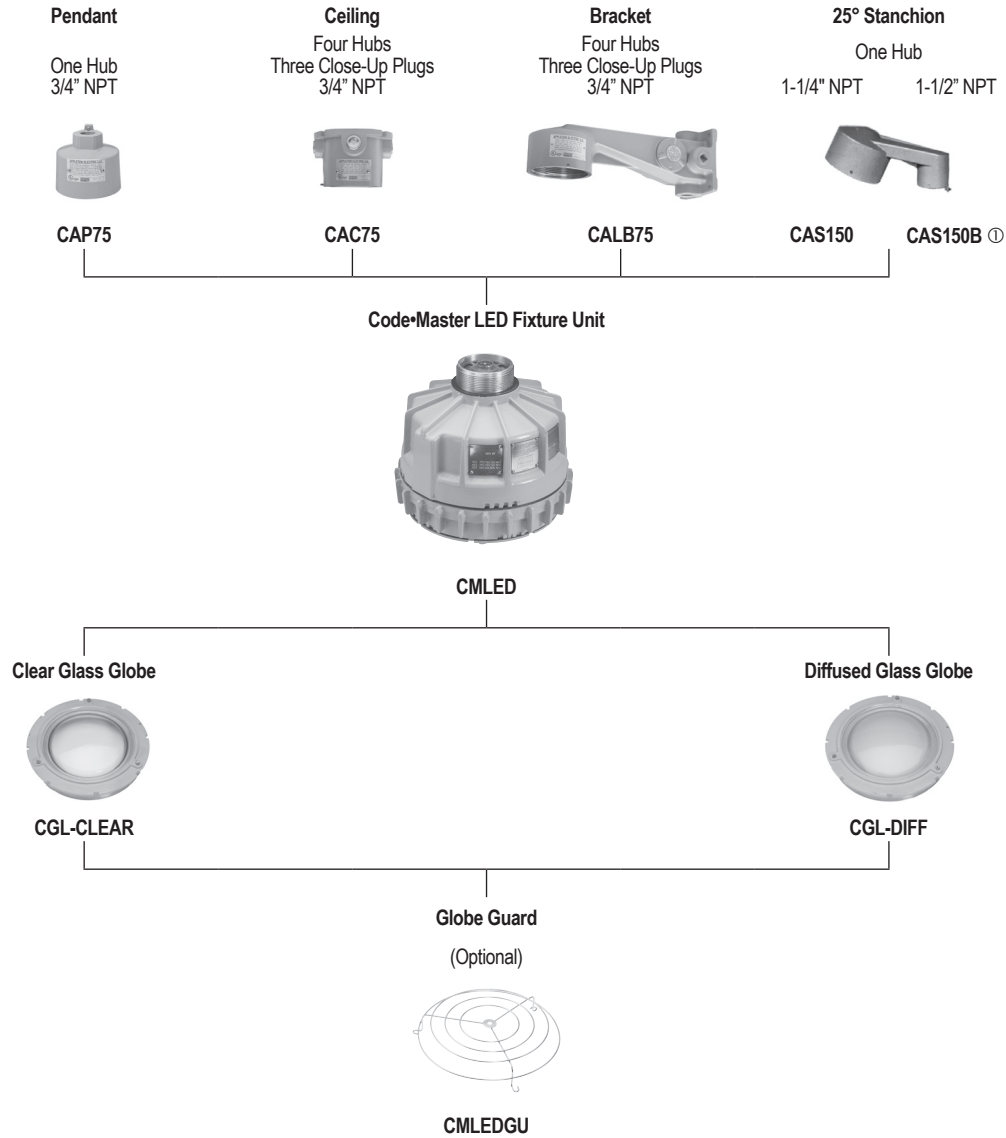
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Code•Master™ LED Factory Sealed Luminaires Family Tree



① When using the 25° Stanchion mounting hood in group B applications part number CAS-150B must be used.

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.

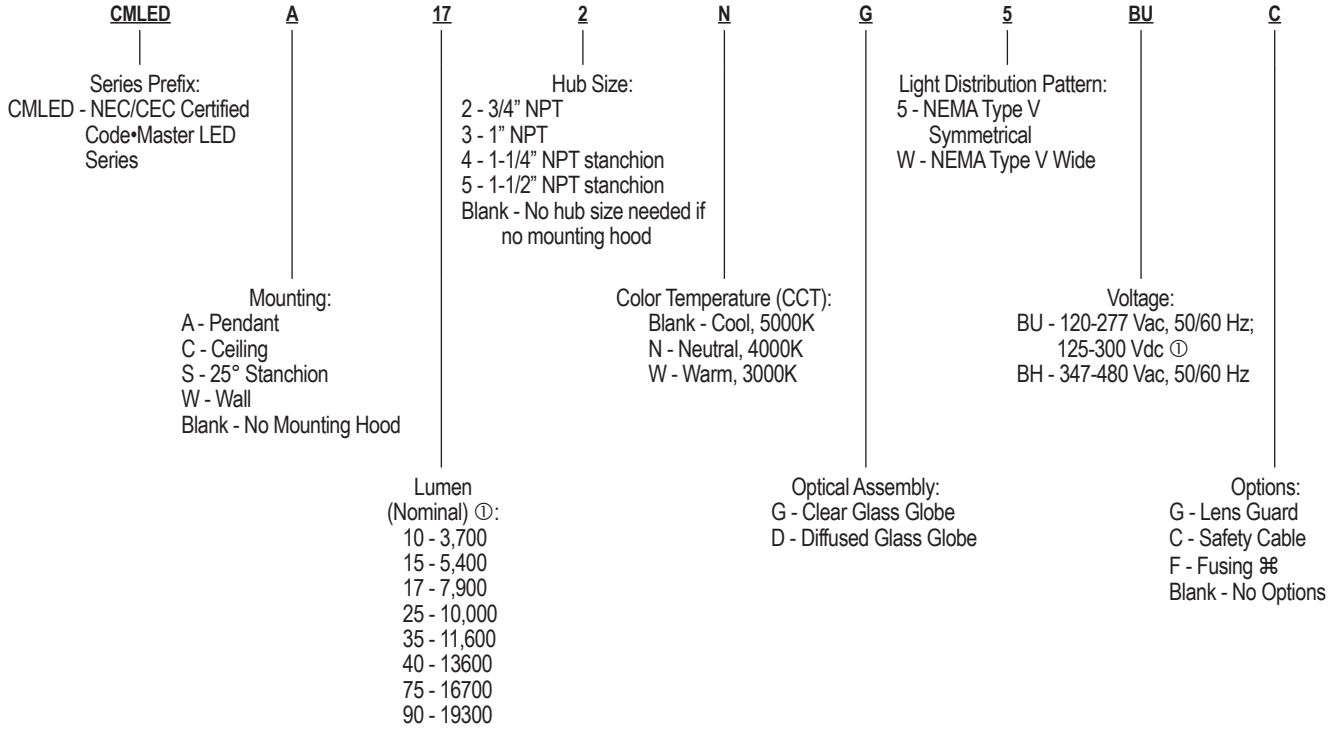
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Order Using Catalog Numbering Guide — Code•Master™ LED Factory Sealed Luminaires

LED Luminaires | Area / Task | Hazardous Location — Explosionproof | NEC / CEC



Note: Complete Code•Master LED luminaire consists of fixture unit and a mounting hood.

① Nominal light value for 5000K clear glass globe.

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

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Lumen Output (Efficacy) ①

| Model | HID Equivalency | Light Distribution Pattern | CCT (Correlated Color Temperature) | CRI (Color Rendering Index) | Lumen Output | Efficacy (lm/W) | CCT | CRI | Lumen Output | Efficacy (lm/W) | CCT | CRI | Lumen Output | Efficacy (lm/W) |
|-----------------------------|-----------------|----------------------------|------------------------------------|-----------------------------|--------------|-----------------|-------|-----|--------------|-----------------|-------|-----|--------------|-----------------|
| Clear Glass Globe | | | | | | | | | | | | | | |
| CMLED10 | 100W | Type V | 3000K | 80 | 3200 | 106 | 4000K | 80 | 3600 | 117 | 5000K | 70 | 3700 | 123 |
| | | Type V Wide | 3000K | 80 | 3000 | 97 | 4000K | 80 | 3300 | 108 | 5000K | 70 | 3300 | 108 |
| CMLED15 | 150W | Type V | 3000K | 80 | 4600 | 104 | 4000K | 80 | 5100 | 115 | 5000K | 70 | 5400 | 120 |
| | | Type V Wide | 3000K | 80 | 4200 | 95 | 4000K | 80 | 4700 | 105 | 5000K | 70 | 5000 | 112 |
| CMLED17 | 175W | Type V | 3000K | 80 | 7200 | 120 | 4000K | 80 | 7900 | 131 | 5000K | 70 | 7900 | 132 |
| | | Type V Wide | 3000K | 80 | 6500 | 108 | 4000K | 80 | 7100 | 118 | 5000K | 70 | 7200 | 120 |
| CMLED25 | 250W | Type V | 3000K | 80 | 9100 | 119 | 4000K | 80 | 9900 | 130 | 5000K | 70 | 10000 | 130 |
| | | Type V Wide | 3000K | 80 | 8000 | 105 | 4000K | 80 | 8800 | 115 | 5000K | 70 | 8900 | 117 |
| CMLED35 | 350W | Type V | 3000K | 80 | 10600 | 117 | 4000K | 80 | 11600 | 128 | 5000K | 70 | 11600 | 128 |
| | | Type V Wide | 3000K | 80 | 9400 | 103 | 4000K | 80 | 10300 | 113 | 5000K | 70 | 10400 | 115 |
| CMLED40 | 400W | Type V | 3000K | 80 | 12000 | 117 | 4000K | 80 | 13500 | 131 | 5000K | 70 | 13600 | 131 |
| | | Type V Wide | 3000K | 80 | 10600 | 103 | 4000K | 80 | 11600 | 112 | 5000K | 70 | 11800 | 114 |
| CMLED75 | 600W | Type V | 3000K | 80 | 14700 | 112 | 4000K | 80 | 16600 | 127 | 5000K | 70 | 16700 | 126 |
| | | Type V Wide | 3000K | 80 | 13000 | 99 | 4000K | 80 | 14200 | 109 | 5000K | 70 | 14500 | 110 |
| CMLED90 | 750W | Type V | 3000K | 80 | 17100 | 109 | 4000K | 80 | 19300 | 122 | 5000K | 70 | 19300 | 123 |
| | | Type V Wide | 3000K | 80 | 15000 | 95 | 4000K | 80 | 16400 | 105 | 5000K | 70 | 16700 | 106 |
| Diffused Glass Globe | | | | | | | | | | | | | | |
| CMLED10 | 100W | Type V | 3000K | 80 | 2800 | 91 | 4000K | 80 | 3100 | 100 | 5000K | 70 | 3200 | 106 |
| | | Type V Wide | 3000K | 80 | 2300 | 76 | 4000K | 80 | 2600 | 84 | 5000K | 70 | 2600 | 84 |
| CMLED15 | 150W | Type V | 3000K | 80 | 4000 | 89 | 4000K | 80 | 4400 | 99 | 5000K | 70 | 4600 | 104 |
| | | Type V Wide | 3000K | 80 | 3300 | 75 | 4000K | 80 | 3700 | 83 | 5000K | 70 | 3900 | 88 |
| CMLED17 | 175W | Type V | 3000K | 80 | 5900 | 99 | 4000K | 80 | 6500 | 109 | 5000K | 70 | 6500 | 109 |
| | | Type V Wide | 3000K | 80 | 5200 | 86 | 4000K | 80 | 5600 | 94 | 5000K | 70 | 5700 | 95 |
| CMLED25 | 250W | Type V | 3000K | 80 | 7500 | 98 | 4000K | 80 | 8200 | 107 | 5000K | 70 | 8300 | 108 |
| | | Type V Wide | 3000K | 80 | 6400 | 84 | 4000K | 80 | 7000 | 91 | 5000K | 70 | 7100 | 92 |
| CMLED35 | 350W | Type V | 3000K | 80 | 8800 | 96 | 4000K | 80 | 9600 | 106 | 5000K | 70 | 9600 | 106 |
| | | Type V Wide | 3000K | 80 | 7500 | 82 | 4000K | 80 | 8200 | 90 | 5000K | 70 | 8300 | 91 |
| CMLED40 | 400W | Type V | 3000K | 80 | 9900 | 96 | 4000K | 80 | 11200 | 108 | 5000K | 70 | 11200 | 109 |
| | | Type V Wide | 3000K | 80 | 8500 | 82 | 4000K | 80 | 9200 | 90 | 5000K | 70 | 9400 | 91 |
| CMLED75 | 600W | Type V | 3000K | 80 | 12200 | 93 | 4000K | 80 | 13700 | 104 | 5000K | 70 | 13700 | 104 |
| | | Type V Wide | 3000K | 80 | 10400 | 79 | 4000K | 80 | 11300 | 86 | 5000K | 70 | 11500 | 88 |
| CMLED90 | 750W | Type V | 3000K | 80 | 14100 | 90 | 4000K | 80 | 15700 | 100 | 5000K | 70 | 15800 | 101 |
| | | Type V Wide | 3000K | 80 | 12000 | 76 | 4000K | 80 | 13100 | 83 | 5000K | 70 | 13200 | 84 |

① All lumen values are typical (tolerance +/-10%).

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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LED Luminaires | Area / Task | Hazardous Location — Explosionproof | NEC / CEC

Electrical Specifications ①

| Model | Voltage | Input Power (Watts) | Input Current (Amp) | Power Factor (PF) | Total Harmonic Distortion (THD) |
|---------|---------|---------------------|---------------------|-------------------|---------------------------------|
| CMLED10 | 120 Vac | 30 | 0.26 | >.95 | <20% |
| | 277 Vac | 31 | 0.12 | >.90 | <20% |
| | 125 Vdc | 31 | 0.25 | N/A | N/A |
| | 300 Vdc | 31 | 0.10 | N/A | N/A |
| | 347 Vac | 32 | 0.09 | >.95 | <20% |
| | 480 Vac | 32 | 0.07 | >.90 | <20% |
| CMLED15 | 120 Vac | 45 | 0.38 | >.99 | <20% |
| | 277 Vac | 44 | 0.17 | >.95 | <20% |
| | 125 Vdc | 45 | 0.36 | N/A | <20% |
| | 300 Vdc | 45 | 0.15 | N/A | <20% |
| | 347 Vac | 45 | 0.13 | >.95 | <20% |
| | 480 Vac | 45 | 0.10 | >.95 | <20% |
| CMLED17 | 120 Vac | 60 | 0.50 | >.99 | <20% |
| | 277 Vac | 59 | 0.24 | >.90 | <20% |
| | 125 Vdc | 60 | 0.98 | N/A | <20% |
| | 300 Vdc | 60 | 0.20 | N/A | <20% |
| | 347 Vac | 60 | 0.18 | >.95 | <20% |
| | 480 Vac | 60 | 0.14 | >.90 | <20% |
| CMLED25 | 120 Vac | 76 | 0.64 | >.99 | <20% |
| | 277 Vac | 75 | 0.29 | >.90 | <20% |
| | 125 Vdc | 77 | 0.62 | N/A | <20% |
| | 300 Vdc | 76 | 0.25 | N/A | <20% |
| | 347 Vac | 78 | 0.23 | >.95 | <20% |
| | 480 Vac | 78 | 0.17 | >.90 | <20% |
| CMLED35 | 120 Vac | 91 | 0.76 | >.99 | <20% |
| | 277 Vac | 89 | 0.34 | >.95 | <20% |
| | 125 Vdc | 91 | 0.73 | N/A | <20% |
| | 300 Vdc | 89 | 0.30 | N/A | <20% |
| | 347 Vac | 91 | 0.27 | >.99 | <20% |
| | 480 Vac | 91 | 0.20 | >.95 | <20% |
| CMLED40 | 120 Vac | 103 | 0.85 | >.95 | <20% |
| | 277 Vac | 98 | 0.39 | >.90 | <20% |
| | 125 Vdc | 101 | 0.81 | N/A | N/A |
| | 300 Vdc | 98 | 0.33 | N/A | N/A |
| | 347 Vac | 102 | 0.30 | >.99 | <20% |
| | 480 Vac | 102 | 0.22 | >.95 | <20% |
| CMLED75 | 120 Vac | 132 | 1.10 | >.99 | <20% |
| | 277 Vac | 126 | 0.48 | >.90 | <20% |
| | 125 Vdc | 130 | 1.04 | N/A | N/A |
| | 300 Vdc | 126 | 0.42 | N/A | N/A |
| | 347 Vac | 130 | 0.38 | >.99 | <20% |
| | 480 Vac | 130 | 0.28 | >.95 | <20% |
| CMLED90 | 120 Vac | 157 | 1.35 | >.99 | <20% |
| | 277 Vac | 155 | 0.58 | >.90 | <20% |
| | 125 Vdc | 161 | 1.29 | N/A | N/A |
| | 300 Vdc | 156 | 0.52 | N/A | N/A |
| | 347 Vac | 159 | 0.46 | >.99 | <20% |
| | 480 Vac | 158 | 0.33 | >.95 | <20% |

① All values are typical (tolerance +/-10%).

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NEC/CEC Temperature Codes

| Type ① | Ambient Temperature °C (°F) | Supply Wire Temperature °C (°F) | Class I, Division 1 (Gas) | Class I, Zone 1 (Gas) | Class II Division 1 (Dust) and Simultaneous Exposure |
|---------|-----------------------------|---------------------------------|---------------------------|-----------------------|--|
| CMLED10 | +40 (+104) | +90 (+194) | T6 | T6 | T6 |
| | +55 (+131) | +90 (+194) | T6 | T6 | T6 |
| | +65 (+140) | +90 (+194) | T6 | T6 | T6 |
| CMLED15 | +40 (+104) | +90 (+194) | T6 | T6 | T6 |
| | +55 (+131) | +90 (+194) | T6 | T6 | T6 |
| | +65 (+140) | +90 (+194) | T6 | T6 | T6 |
| CMLED17 | +40 (+104) | +90 (+194) | T6 | T6 | T6 |
| | +55 (+131) | +90 (+194) | T6 | T6 | T6 |
| | +65 (+140) | +90 (+194) | T5 | T5 | T5 |
| CMLED25 | +40 (+104) | +90 (+194) | T6 | T6 | T6 |
| | +55 (+131) | +90 (+194) | T6 | T6 | T5 |
| | +65 (+140) | +90 (+194) | T5 | T5 | T5 |
| CMLED35 | +40 (+104) | +90 (+194) | T6 | T6 | T6 |
| | +55 (+131) | +90 (+194) | T5 | T5 | T75 |
| | +65 (+140) | +90 (+194) | T5 | T5 | T4A |
| CMLED40 | +40 (+104) | +90 (+194) | T6 | T6 | T6 |
| | +55 (+131) | +90 (+194) | T5 | T5 | T5 |
| | +65 (+140) | +90 (+194) | T4A | T4 | T4A |
| CMLED75 | +40 (+104) | +90 (+194) | T5 | T5 | T5 |
| | +55 (+131) | +90 (+194) | T5 | T5 | T4A |
| | +65 (+140) | +90 (+194) | T4A | T4 | T4A |
| CMLED90 | +40 (+104) | +90 (+194) | T5 | T5 | T4A |
| | +55 (+131) | +90 (+194) | T4A | T4 | T4A |

“T” Numbers Represent the Maximum Surface Temperature for Class I, Division 1 locations and Maximum Surface Temperature Under Dust Blanket for Class II, Division 1 Locations. ② ③

| “T” # | T1 | 350 | 325 | T2 | T2A | T2B | T2C | T2D | T3 | T3A | T3B | T3C | T4 | T4A | T5 | T6 |
|---------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|------------|
| Temp. Range °C (°F) | +351 to +450 (+664 to +842) | +326 to +350 (+619 to +662) | +301 to +325 (+574 to +617) | +281 to +300 (+538 to +572) | +261 to +280 (+502 to +536) | +231 to +260 (+448 to +500) | +216 to +230 (+421 to +446) | +201 to +215 (+394 to +419) | +181 to +200 (+358 to +392) | +166 to +180 (+331 to +356) | +161 to +165 (+322 to +329) | +136 to +160 (+277 to +320) | +121 to +135 (+250 to +275) | +101 to +120 (+214 to +248) | +86 to +100 (+187 to +212) | +85 (+185) |

① T-Codes are using the “APMS” drivers.

② T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.

③ T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 as designated by the NEC.

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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 |
| | 1-1/2" NPT | B, C, D | 3.74 (8.25) | CAS-150B ⑧ |

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 13,600, **75** for 16,700, or **90** for 19,300. Example: from 3,700 lumens CMLED10G5 to 10,000 lumens CMLED25G5.

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: CMLED10WG5 to "N" for 4000K, CMLED10NG5, or CMLED10WG5 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: CMLED10G5BU.

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.

Note: Complete Code•Master LED luminaire consists of fixture unit and a mounting hood.




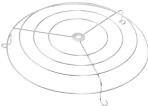


⌘ Use of a fuse voids Marine Outside Type (Salt Water) rating.

Code•Master™ LED Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof
Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓢ | 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 | 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

Accessories and Replacement Parts

| | Description | Weight in kg (lbs) | Catalog Number |
|---|----------------------------|--------------------|----------------|
| Fuse Kits ⌘ | | | |
|  | 5 Amp Fuse Kit | 0.32 (0.70) | CMLEDF5 |
| Globes | | | |
|  | Clear Globe Assembly | 3.95 (8.70) | CGLCLEAR |
|  | Diffused Globe Assembly | 3.95 (8.70) | CGLDIFF |
|  | Stainless Steel Wire Guard | 0.16 (0.35) | CMLEDGU |
|  | Safety Cable | 0.81 (1.78) | CMLEDSC |
|  | Yoke Bracket | 2.82 (6.23) | CMLEDYOKE |

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.




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 + H₂ | 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

LED Luminaires | Area / Task | Hazardous Location — Explosionproof | NEC / CEC

Replacement Drivers

| | Luminaire Model | Voltage ① | Driver Wattage | Constant Current Settings | Catalog Number |
|--|-----------------|-----------|----------------|---------------------------|-----------------|
|  | CMLED10 | BU | 50 Watt | 500mA | APMS050C135UD50 |
| | | BH | | | APMS050C135HD50 |
| | CMLED15 | BU | 50 Watt | 780mA | APMS050C135UD75 |
| | | BH | | | APMS050C135HD75 |
|  | CMLED17 | BU | 100 Watt | 360mA | APMS100C105UD37 |
| | | BH | | | APMS100C105HD37 |
| | CMLED25 | BU | 100 Watt | 480mA | APMS100C105UD48 |
| | | BH | | | APMS100C105HD48 |
| | CMLED35 | BU | 100 Watt | 595mA | APMS100C105UD57 |
| | | BH | | | APMS100C105HD57 |
|  | CMLED40 | BU | 150 Watt | 650mA | APMS150C105UD65 |
| | | BH | | | APMS150C105HD65 |
| | CMLED75 | BU | 150 Watt | 820mA | APMS150C105UD82 |
| | | BH | | | APMS150C105HD82 |
| | CMLED90 | BU | 150 Watt | 960mA | APMS150C105UD98 |
| | | BH | | | APMS150C105HD98 |

Replacement Drivers for fixtures without "Model A" marking on label

| | Description | Catalog Number |
|---|---|----------------|
|  | 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 |

Luminaire Weight

| Description | Weight in kg (lb) |
|--------------------------------|-------------------|
| Fixture Unit (Ballast Housing) | 17.2 (38) |

① BU = 120 - 277 Vac, 50/60 Hz or 125 - 300 Vdc; BH = 347 - 480, 50/60 Hz.

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.

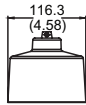
Code•Master™ LED Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof
Hazardous Locations.

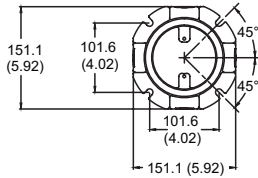
NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓢ | Class I, Zone 1, Groups IIA, IIB, IIB + H₂ | Class II, Division 1, Group E, F, G | Class II, Division 2, Group F, G | Class III | Type 3R, 4X | IP66/67 | Simultaneous Exposure | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water) ⚠ | Approved for use in Paint Spray Booths

Dimensions in Millimeters (Inches)

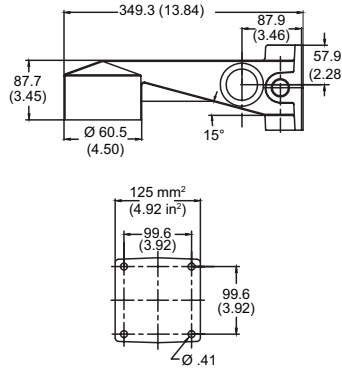
Pendant



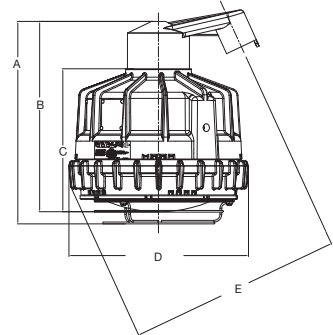
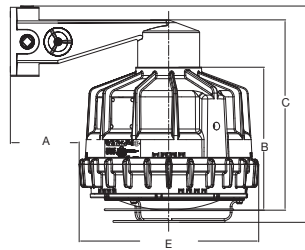
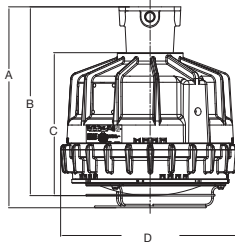
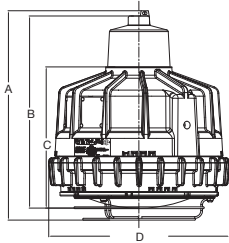
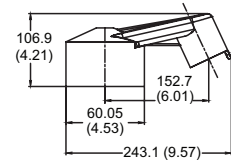
Ceiling



Bracket

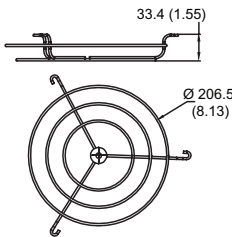


25° Stanchion

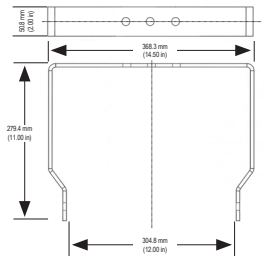


| Pendant | | | | Ceiling | | | | Bracket | | | | 25° Stanchion | | | | | |
|---------|--------|--------|--------|---------|--------|--------|--------|---------|--------|--------|--------|---------------|--------|--------|--------|--------|--------|
| A | B | C | D | A | B | C | D | A | B | C | D | E | A | B | C | D | E |
| 384.0 | 352.0 | 259.0 | 331.0 | 364.0 | 342.0 | 259.0 | 331.0 | 127.0 | 259.0 | 344.0 | 391.0 | 331.0 | 366.0 | 344.0 | 259.0 | 331.0 | 392.0 |
| (15.1) | (13.9) | (10.2) | (13.0) | (14.3) | (13.5) | (10.2) | (13.0) | (5.0) | (10.2) | (13.6) | (15.4) | (13.0) | (14.4) | (13.6) | (10.2) | (13.0) | (15.4) |

Wire Guard



Yoke Mount



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.

LED Luminaires | Area / Task | Hazardous Location — Explosionproof | NEC / CEC

Code•Master™ LED Factory Sealed Luminaires

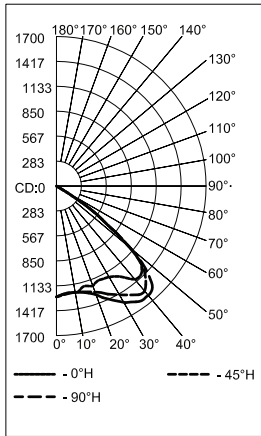
Explosionproof, Dust-Ignitionproof
Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓢ | 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 | 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

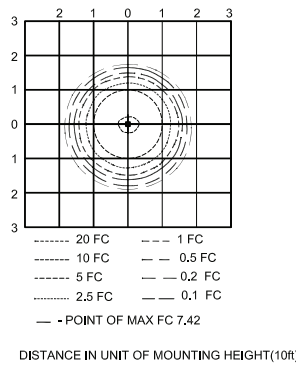
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLED10G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

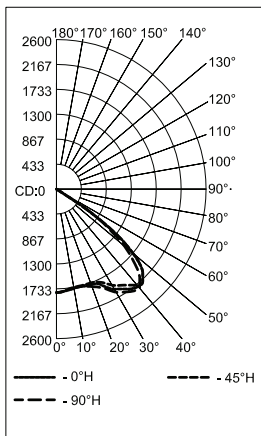
| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 1,090.3 | 29.2% |
| 0-40 | 2,043.9 | 54.7% |
| 0-60 | 3,677.9 | 98.3% |
| 60-90 | 60.4 | 1.6% |
| 70-100 | 10.9 | 0.3% |
| 90-120 | 0.2 | 0% |
| 0-90 | 3,738.2 | 100% |
| 90-180 | 1.5 | 0% |
| 0-180 | 3,739.8 | 100% |

LUMENS PER ZONE

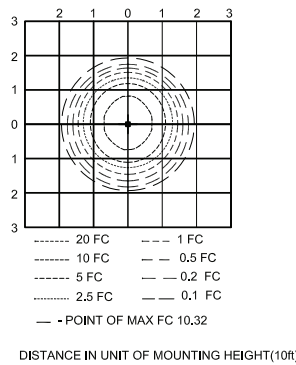
| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 116.4 | 3.1% | 90-100 | 0.2 | 0 |
| 10-20 | 349.9 | 9.4% | 100-110 | 0 | 0 |
| 20-30 | 624.0 | 16.7% | 110-120 | 0 | 0 |
| 30-40 | 953.5 | 25.5% | 120-130 | 0 | 0 |
| 40-50 | 1,102.0 | 29.5% | 130-140 | 0.2 | 0 |
| 50-60 | 532.0 | 14.2% | 140-150 | 0.5 | 0 |
| 60-70 | 49.6 | 1.3% | 150-160 | 0.4 | 0 |
| 70-80 | 8.5 | 0.2% | 160-170 | 0.2 | 0 |
| 80-90 | 2.2 | 0.1% | 170-180 | 0.1 | 0 |

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLED15G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 1,573.4 | 29.3% |
| 0-40 | 2,948.7 | 54.9% |
| 0-60 | 5,289.7 | 98.4% |
| 60-90 | 83.0 | 1.5% |
| 70-100 | 14.2 | 0.3% |
| 90-120 | 0.3 | 0% |
| 0-90 | 5,372.7 | 100% |
| 90-180 | 2.2 | 0% |
| 0-180 | 5,374.9 | 100% |

LUMENS PER ZONE

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 167.6 | 3.1% | 90-100 | 0.3 | 0 |
| 10-20 | 504.2 | 9.4% | 100-110 | 0 | 0 |
| 20-30 | 901.6 | 16.8% | 110-120 | 0 | 0 |
| 30-40 | 1,375.2 | 25.6% | 120-130 | 0.1 | 0 |
| 40-50 | 1,584.4 | 29.5% | 130-140 | 0.6 | 0 |
| 50-60 | 756.7 | 14.1% | 140-150 | 0.5 | 0 |
| 60-70 | 69.1 | 1.3% | 150-160 | 0.4 | 0 |
| 70-80 | 11.2 | 0.2% | 160-170 | 0.3 | 0 |
| 80-90 | 2.7 | 0.1% | 170-180 | 0.1 | 0 |

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.

Code•Master™ LED Factory Sealed Luminaires

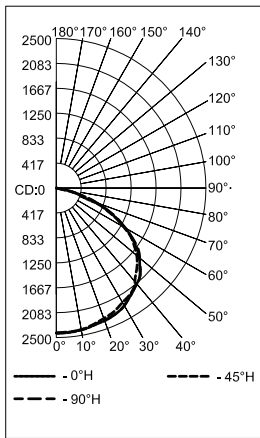
Explosionproof, Dust-Ignitionproof
Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓢ | 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 | 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

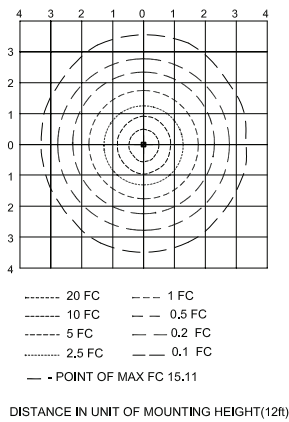
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLLED17G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

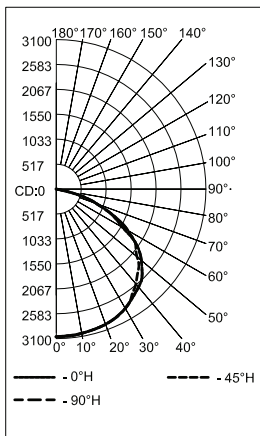
| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 1,959.3 | 24.8% |
| 0-40 | 3,313.1 | 42% |
| 0-60 | 6,266.9 | 79.4% |
| 60-90 | 1,620.6 | 20.5% |
| 70-100 | 560.1 | 7.1% |
| 90-120 | 1.0 | 0% |
| 0-90 | 7,887.5 | 100% |
| 90-180 | 3.2 | 0% |
| 0-180 | 7,890.7 | 100% |

LUMENS PER ZONE

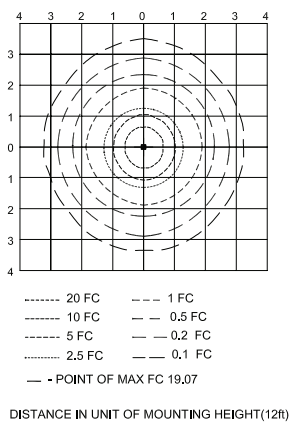
| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 116.4 | 3.1% | 90-100 | 0.2 | 0 |
| 10-20 | 349.9 | 9.4% | 100-110 | 0 | 0 |
| 20-30 | 624.0 | 16.7% | 110-120 | 0 | 0 |
| 30-40 | 953.5 | 25.5% | 120-130 | 0 | 0 |
| 40-50 | 1,102.0 | 29.5% | 130-140 | 0.2 | 0 |
| 50-60 | 532.0 | 14.2% | 140-150 | 0.5 | 0 |
| 60-70 | 49.6 | 1.3% | 150-160 | 0.4 | 0 |
| 70-80 | 8.5 | 0.2% | 160-170 | 0.2 | 0 |
| 80-90 | 2.2 | 0.1% | 170-180 | 0.1 | 0 |

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLLED25G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 2,482.0 | 24.9% |
| 0-40 | 4,197.1 | 42.1% |
| 0-60 | 7,931.9 | 79.6% |
| 60-90 | 2,033.5 | 20.4% |
| 70-100 | 696.8 | 7% |
| 90-120 | 1.3 | 0% |
| 0-90 | 9,965.4 | 100% |
| 90-180 | 4.0 | 0% |
| 0-180 | 9,969.4 | 100% |

LUMENS PER ZONE

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 289.4 | 2.9% | 90-100 | 1.2 | 0 |
| 10-20 | 847.5 | 8.5% | 100-110 | 0.1 | 0 |
| 20-30 | 1,345.1 | 13.5% | 110-120 | 0.0 | 0 |
| 30-40 | 1,715.1 | 17.2% | 120-130 | 0.4 | 0 |
| 40-50 | 1,912.2 | 19.2% | 130-140 | 0.8 | 0 |
| 50-60 | 1,822.5 | 18.3% | 140-150 | 0.6 | 0 |
| 60-70 | 1,337.9 | 13.4% | 150-160 | 0.5 | 0 |
| 70-80 | 632.0 | 6.3% | 160-170 | 0.3 | 0 |
| 80-90 | 63.6 | 0.6% | 170-180 | 0.2 | 0 |

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.

Code•Master™ LED Factory Sealed Luminaires

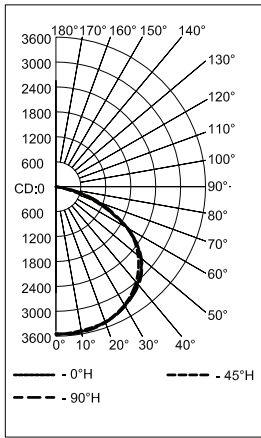
Explosionproof, Dust-Ignitionproof
Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓢ | 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 | 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

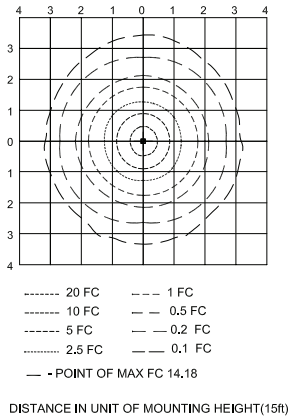
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLED35G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

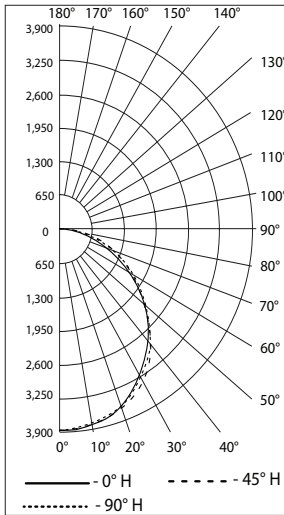
| Zone | Lumens | % Luminaire |
|--------|----------|-------------|
| 0-30 | 2,894.8 | 24.9% |
| 0-40 | 4,897.1 | 42.1% |
| 0-60 | 9,259.1 | 79.6% |
| 60-90 | 2,372.4 | 20.4% |
| 70-100 | 816.1 | 7% |
| 90-120 | 3.4 | 0% |
| 0-90 | 11,631.6 | 99.9% |
| 90-180 | 7.7 | 0.1% |
| 0-180 | 11,639.3 | 100% |

LUMENS PER ZONE

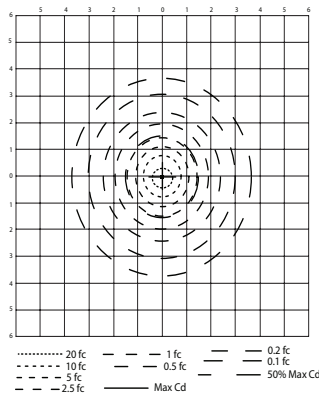
| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|---------|---------|---------|--------|---------|
| 0-10 | 337.3 | 2.9% | 90-100 | 1.6 | 0 |
| 10-20 | 988.8 | 8.5% | 100-110 | 0.8 | 0 |
| 20-30 | 1,568.7 | 13.5% | 110-120 | 0.9 | 0 |
| 30-40 | 2,002.3 | 17.2% | 120-130 | 0.9 | 0 |
| 40-50 | 2,232.9 | 19.2% | 130-140 | 0.8 | 0 |
| 50-60 | 2,129.2 | 18.3% | 140-150 | 0.9 | 0 |
| 60-70 | 1,557.9 | 13.4% | 150-160 | 0.9 | 0 |
| 70-80 | 738.7 | 6.3% | 160-170 | 0.6 | 0 |
| 80-90 | 75.8 | 0.7% | 170-180 | 0.2 | 0 |

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLED40G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|--------|----------|-------------|
| 0-30 | 3,441.9 | 25.4 |
| 0-40 | 5,808.0 | 42.8 |
| 0-60 | 10,874.3 | 80.2 |
| 60-90 | 2,681.4 | 19.8 |
| 70-100 | 917.3 | 6.8 |
| 90-120 | 4.0 | 0 |
| 0-90 | 13,555.6 | 99.9 |
| 90-180 | 7.2 | 0.1 |
| 0-180 | 13,562.9 | 100 |

LUMENS PER ZONE

| Zone | Lumens | % Total |
|---------|---------|---------|
| 0-10 | 402.3 | 3.0 |
| 10-20 | 1,179.4 | 8.7 |
| 20-30 | 1,860.2 | 13.7 |
| 30-40 | 2,366.1 | 17.4 |
| 40-50 | 2,609.2 | 19.2 |
| 50-60 | 2,457.1 | 18.1 |
| 60-70 | 1,766.8 | 13.0 |
| 70-80 | 821.2 | 6.1 |
| 80-90 | 93.4 | 0.7 |
| 90-100 | 2.6 | 0 |
| 100-110 | 0.7 | 0 |

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.

Code•Master™ LED Factory Sealed Luminaires

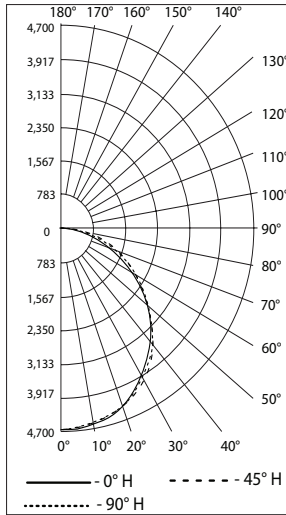
Explosionproof, Dust-Ignitionproof
Hazardous Locations.

NEC/CEC: Class I, Division 1 and 2, Groups B, C, D Ⓛ | 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 | 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

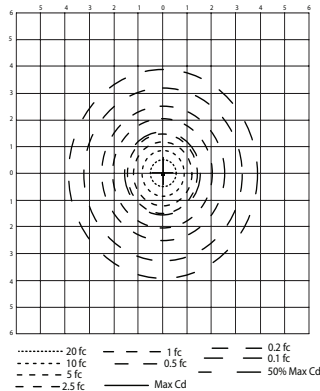
Photometric Data — DATA SHOWN IS ABSOLUTE

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLED75G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

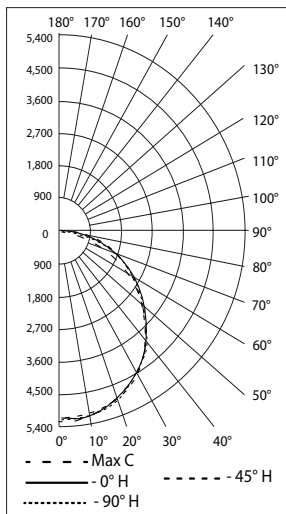
| Zone | Lumens | % Luminaire |
|--------|----------|-------------|
| 0-30 | 4,249.2 | 25.4 |
| 0-40 | 7,168.9 | 42.9 |
| 0-60 | 13,411.1 | 80.2 |
| 60-90 | 3,295.9 | 19.7 |
| 70-100 | 1,127.6 | 6.7 |
| 90-120 | 4.7 | 0 |
| 0-90 | 16,707.0 | 99.9 |
| 90-180 | 8.8 | 0.1 |
| 0-180 | 16,715.8 | 100.0 |

LUMENS PER ZONE

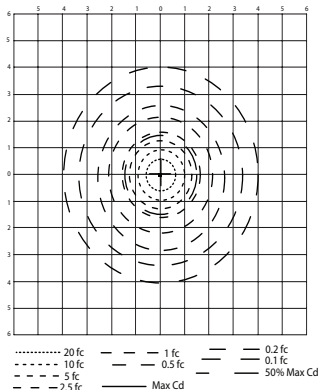
| Zone | Lumens | % Total |
|---------|---------|---------|
| 0-10 | 496.7 | 3.0 |
| 10-20 | 1,456.1 | 8.7 |
| 20-30 | 2,296.4 | 13.7 |
| 30-40 | 2,919.7 | 17.5 |
| 40-50 | 3,217.1 | 19.2 |
| 50-60 | 3,025.1 | 18.1 |
| 60-70 | 2,171.4 | 13.0 |
| 70-80 | 1,009.8 | 6.0 |
| 80-90 | 114.7 | 0.7 |
| 90-100 | 3.2 | 0 |
| 100-110 | 0.8 | 0 |

Type V, Clear Glass, 5000K CCT
REPORT NUMBER: CMLED90G5BU

POLAR CANDELA DISTRIBUTION



ISOFOOT CANDLE PLOT



ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|--------|----------|-------------|
| 0-30 | 4,927.2 | 25.4 |
| 0-40 | 8,295.2 | 42.9 |
| 0-60 | 15,516.1 | 80.2 |
| 60-90 | 3,810.1 | 19.7 |
| 70-100 | 1,302.8 | 6.7 |
| 90-120 | 5.7 | 0 |
| 0-90 | 19,326.2 | 99.9 |
| 90-180 | 10.3 | 0.1 |
| 0-180 | 19,337.0 | 100 |

LUMENS PER ZONE

| Zone | Lumens | % Total |
|---------|---------|---------|
| 0-10 | 574.8 | 3.0 |
| 10-20 | 1,685.1 | 8.7 |
| 20-30 | 2,657.3 | 13.7 |
| 30-40 | 3,378.0 | 17.5 |
| 40-50 | 3,721.6 | 19.2 |
| 50-60 | 3,499.3 | 18.1 |
| 60-70 | 2,511.0 | 13.0 |
| 70-80 | 1,165.7 | 6.0 |
| 80-90 | 133.5 | 0.7 |
| 90-100 | 3.7 | 0 |
| 100-110 | 1.0 | 0 |

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.

LED Luminaires | Area / Task | Hazardous Location — Explosionproof | NEC / CEC