

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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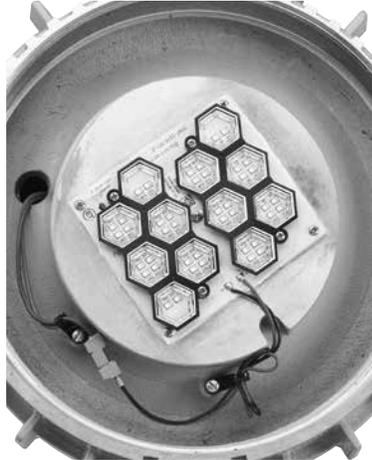
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Illustrated Features



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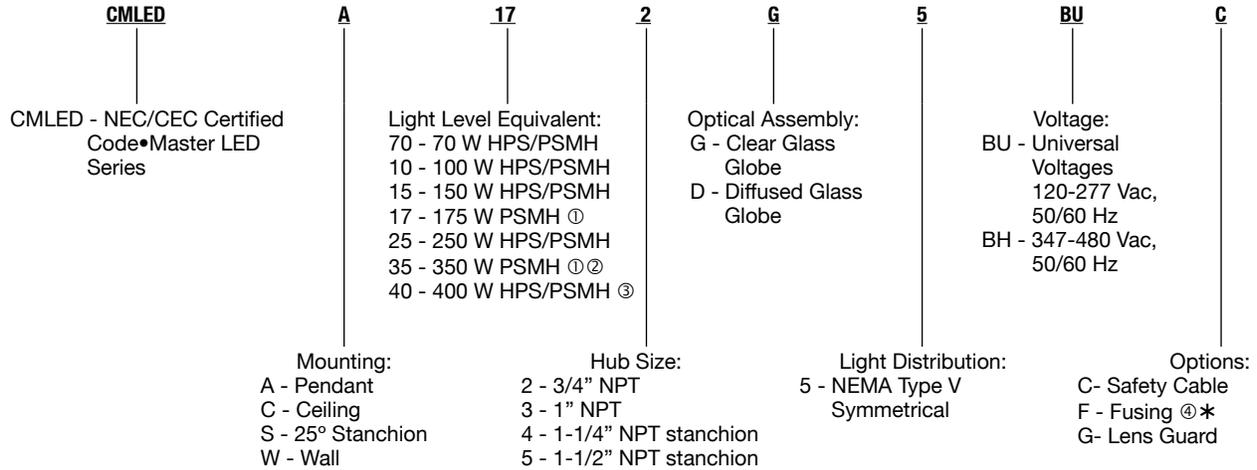
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Order using catalog numbering guides below or select catalog number from tables on following pages.

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).

④ Canadian Electrical Code does NOT allow fusing in hazardous locations. Fuse not CEC rated.

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Technical Data

Light Level Equivalent to HID	Lamp Type	Ambient Temperature °C (°F)	Supply Wire Temperature °C (°F)	Class I, Division 1	Class I, Zone 1	Class II, Division 1
70 Watt	CMLED70	40 (104)	75 (167)	T6	T6	T6
		55 (131)	75 (167)	T6	T6	T6
		65 (143)	75 (167)	T6	T6	T6
100 Watt	CMLED10	40 (104)	75 (167)	T6	T6	T6
		55 (131)	75 (167)	T6	T6	T6
		65 (143)	75 (167)	T6	T6	T6
150 Watt	CMLED15	40 (104)	75 (167)	T6	T6	T6
		55 (131)	75 (167)	T6	T6	T6
175 Watt	CMLED17	40 (104)	75 (167)	T6	T6	T6
		50 (122)	75 (167)	T6	T6	T6
250 Watt	CMLED25	40 (104)	75 (167)	T6	T6	T6
		50 (122)	75 (167)	T6	T6	T6
350 Watt	CMLED35	40 (104)	75 (167)	T6	T6	T6
		50 (122)	75 (167)	T6	T6	T6
400 Watt	CMLED40	40 (104)	75 (167)	T6	T6	T6
		55 (131)	75 (167)	T6	T6	T6

“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.

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

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Lamp Comparison Chart

Lamp Data	Line Current Amps	Input Power	THD	Lumens ①		CRI ②	Lamp Life (Hours)	Color Temp CCT
				Clear Glass Globe	Diffused Glass Globe			
NEMA Type V								
CMLED70	0.27 @ 120V	32	< 20%	2400	2000	70	60,000+	5650
	0.14 @ 277V	32						
	0.11 @ 347V	35						
	0.11 @ 480V	52						
CMLED10	0.38 @ 120V	45	< 20%	4050	3500	70	60,000+	5650
	0.19 @ 277V	46						
	0.14 @ 347V	46						
	0.12 @ 480V	57						
CMLED15	0.49 @ 120V	58	< 20%	5200	4500	70	60,000+	5650
	0.23 @ 277V	58						
	0.17 @ 347V	59						
	0.14 @ 480V	67						
CMLED17	0.60 @ 120V	71	< 20%	6500	5500	70	60,000+	5650
	0.71 @ 277V	71						
	0.21 @ 347V	70						
	0.16 @ 480V	88						
CMLED25	0.82 @ 120V	99	< 20%	9350	8050	70	60,000+	5650
	0.36 @ 277V	97						
	0.28 @ 347V	95						
	0.31 @ 480V	95						
CMLED35	0.31 @ 347V	108	< 20%	11200	9800	70	60,000+	5650
	0.23 @ 480V	107						
CMLED40	1.08 @ 120V	129	< 20%	12800	10850	70	60,000+	5650
	0.49 @ 277V	127						

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

② 70 typical.

Visit our website at www.emerson.com or contact us at (800) 621-1506.

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	LED Wattage	Lamp Wattage Equivalent	Hub Size	Catalog Number		
				Clear Glass ①②③	Diffused Glass ①②③	
Wall — Four Hubs, Three Close-up Plugs — 50/60 Hz						
	35/33 W	70 W HPS/PSMH	3/4	CMLEDW702G5	CMLEDW702D5	
	47.5/46 W	100 W HPS/PSMH	3/4	CMLEDW102G5	CMLEDW102D5	
	61/62 W	150 W HPS/PSMH	3/4	CMLEDW152G5	CMLEDW152D5	
	74/72 W	175 W PSMH	3/4	CMLEDW172G5	CMLEDW172D5	
	95.5/92 W	250 W HPS/MH	3/4	CMLEDW252G5	CMLEDW252D5	
	102/103 W	350 W PSMH	3/4	CMLEDW352G5	CMLEDW352D5	
	127/128 W	400 W HPS/PSMH	3/4	CMLEDW402G5	CMLEDW402D5	
	35/33 W	70 W HPS/PSMH	1	CMLEDW703G5	CMLEDW703D5	
	47.5/46 W	100 W HPS/PSMH	1	CMLEDW103G5	CMLEDW103D5	
	61/62 W	150 W HPS/PSMH	1	CMLEDW153G5	CMLEDW153D5	
	74/72 W	175 W PSMH	1	CMLEDW173G5	CMLEDW173D5	
	95.5/92 W	250 W HPS/MH	1	CMLEDW253G5	CMLEDW253D5	
	102/103 W	350 W PSMH	1	CMLEDW353G5	CMLEDW353D5	
	127/128 W	400 W HPS/PSMH	1	CMLEDW403G5	CMLEDW403D5	
	25° Stanchion — One Hub — 50/60 Hz					
		35/33 W	70 W HPS/PSMH	1-1/4	CMLEDS704G5	CMLEDS704D5
47.5/46 W		100 W HPS/PSMH	1-1/4	CMLEDS104G5	CMLEDS104D5	
61/62 W		150 W HPS/PSMH	1-1/4	CMLEDS154G5	CMLEDS154D5	
74/72 W		175 W PSMH	1-1/4	CMLEDS174G5	CMLEDS174D5	
95.5/92 W		250 W HPS/MH	1-1/4	CMLEDS254G5	CMLEDS254D5	
102/103 W		350 W PSMH	1-1/4	CMLEDS354G5	CMLEDS354D5	
127/128 W		400 W HPS/PSMH	1-1/4	CMLEDS404G5	CMLEDS404D5	
35/33 W		70 W HPS/PSMH	1-1/2	CMLEDS705G5	CMLEDS705D5	
47.5/46 W		100 W HPS/PSMH	1-1/2	CMLEDS105G5	CMLEDS105D5	
61/62 W		150 W HPS/PSMH	1-1/2	CMLEDS155G5	CMLEDS155D5	
74/72 W		175 W PSMH	1-1/2	CMLEDS175G5	CMLEDS175D5	
95.5/92 W		250 W HPS/MH	1-1/2	CMLEDS255G5	CMLEDS255D5	
102/103 W		350 W PSMH	1-1/2	CMLEDS355G5	CMLEDS355D5	
127/128 W		400 W HPS/PSMH	1-1/2	CMLEDS405G5	CMLEDS405D5	

① For optional fusing, add suffix **-F** to the end of the catalog number. The Canadian Electrical Code does NOT allow fusing in hazardous locations. Fuse not CEC rated.

② For optional safety cable, add suffix **-C** to the end of the catalog number.

③ For optional lens guard, add suffix **-G** to the end of the catalog number.

④ For 120-277 Vac, add suffix **-BU**; For 347-480 Vac add suffix **-BH**.

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◆ Shaded items are suitable for Class I, Group D ONLY.

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Mounting Hoods		Certified for Class I, Division 1 and 2, Group				
		Hub Size Inches	cCSA Certified	cCSAus Certified	Catalog Number	
Pendant						
 CAP-75 & CAP-100	 CAP-75B	One Hub	3/4	B, C, D	C, D	CAP-75
			3/4	B, C, D	B, C, D	CAP-75B
			1	D	D	CAP-100
Ceiling						
	Four hubs, Three Close-Up Plugs	3/4	C, D	C, D	CAC-75	
		1	D	D	CAC-100	
Bracket						
	Four hubs, Three Close-Up Plugs	3/4	C, D	C, D	CALB-75	
		1	D	D	CALB-100	
25° Stanchion						
 CAS-150	 CAS-150B	One Hub	1-1/4 or 1-1/2 ①	B, C, D	C, D	CAS-150
			1-1/2	B, C, D	B, C, D	CAS-150B

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

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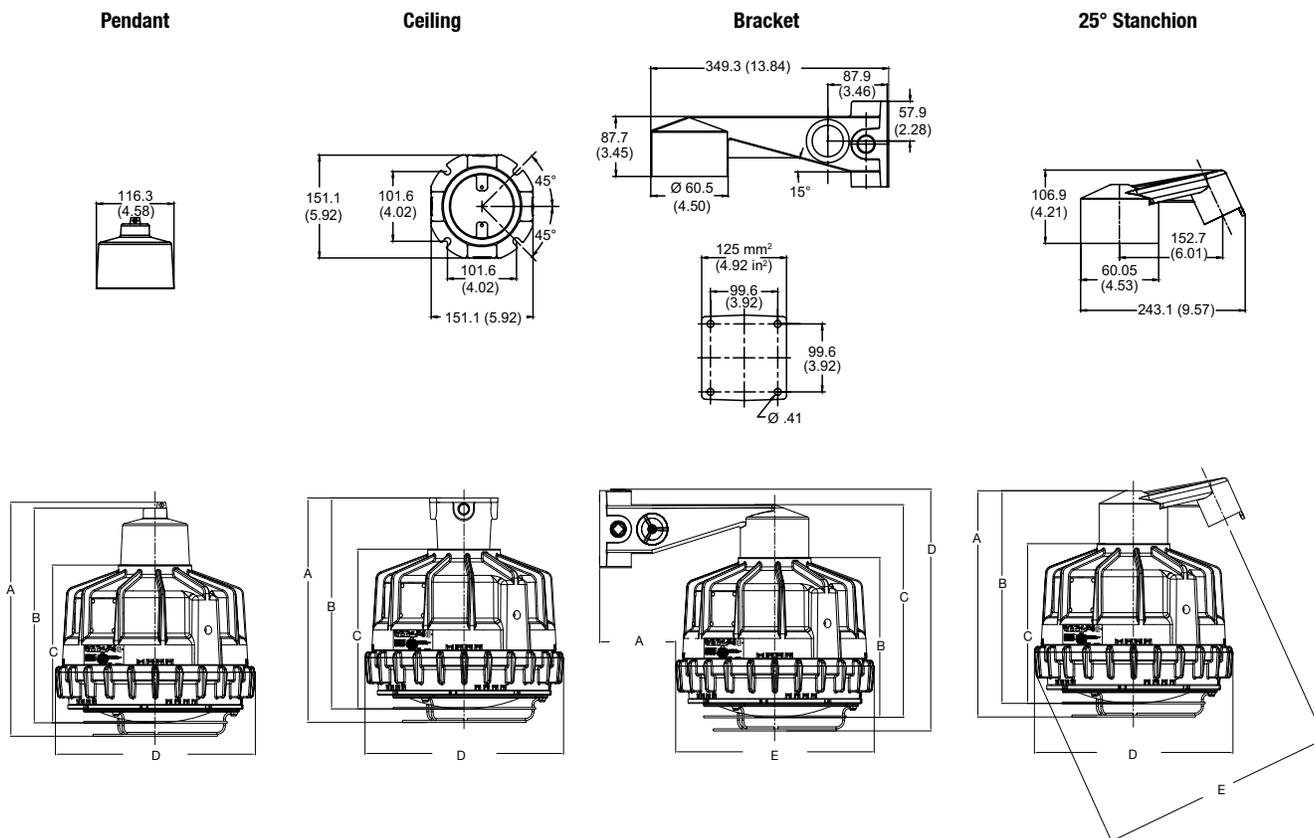
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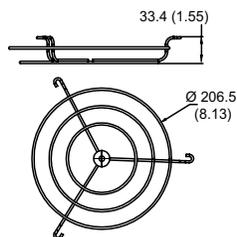
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Dimensions in Millimeters (Inches)



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



Weights

Description	Weight kg (lb)
Fixture Unit (Ballast Housing)	17.2 (38)
Pendant Mounting Hood	0.9 (2)
Ceiling Mounting Hood	1.8 (4)
Wall Mounting Hood	2.7 (6)
25° Stanchion Mounting Hood	0.9 (2)
Wire Guard	0.45 (1)

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Photometric Data — DATA SHOWN IS ABSOLUTE

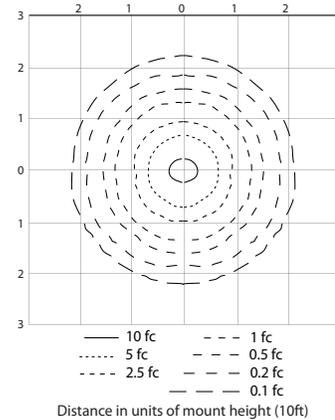
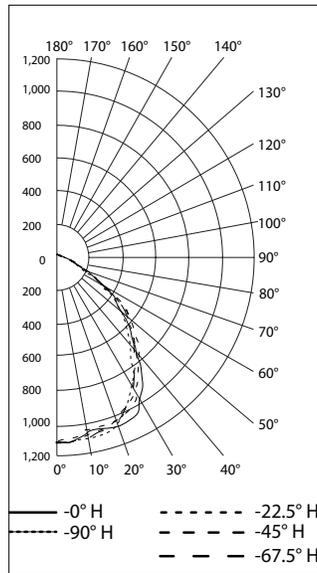
CMLED70G5BU with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	873.8	36.3	0-10	105.1	4.4
0-40	1396	58.1	10-20	304.6	12.7
0-60	2237	93.0	20-30	464.1	19.3
60-90	167.3	7.0	30-40	522.3	21.7
0-90	2094	100.0	40-50	486.8	20.2
90-180	0.1	0.0	50-60	354.1	14.7
0-180	2404	100.0	60-70	143.3	6.0
			70-80	21.2	0.9
			80-90	2.8	0.1
			90-100	0.1	0.0



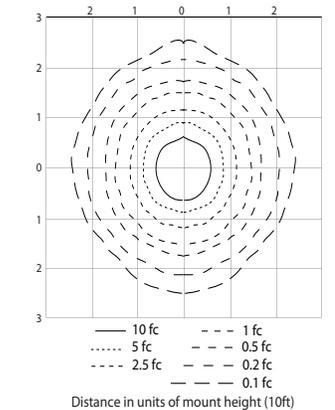
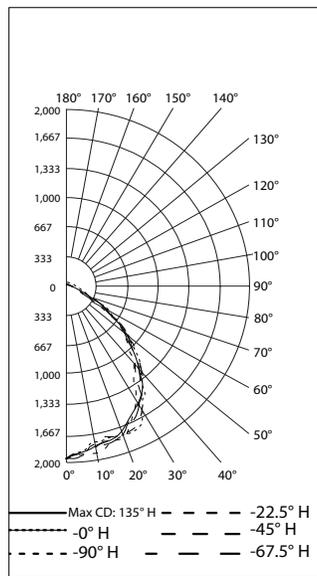
CMLED10G5BU with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1,493.8	36.8	0-10	180.8	4.5
0-40	2,385.9	58.8	10-20	516.8	12.7
0-60	3,790.0	93.4	20-30	796.1	19.6
60-90	269.0	6.6	30-40	892.1	22.0
0-90	4,059.1	100	40-50	823.0	20.3
90-120	0	0	50-60	581.1	14.3
0-90	4,059.1	100	60-70	236.2	5.8
90-180	0	0	70-80	30.7	0.8
0-180	4,059.1	100	80-90	2.1	0.1



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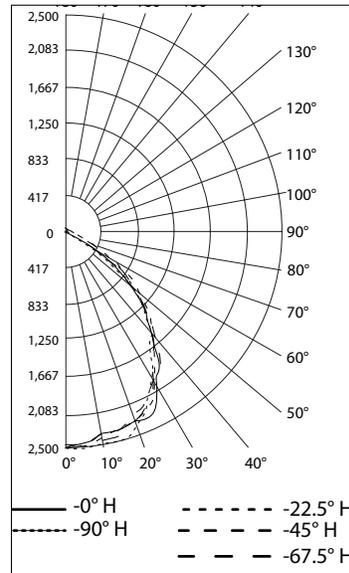
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CMLED15G5BU with Clear Polycarbonate Lens

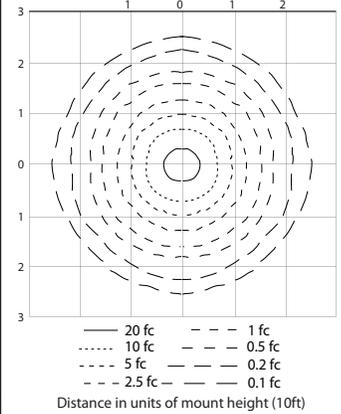
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1,919.1	36.8	0-10	231.3	4.4
0-40	3,060.2	58.7	10-20	669.8	12.8
0-60	4,874.4	93.5	20-30	1,018.0	19.5
60-90	340.1	6.5	30-40	1,141.1	21.9
70-100	39.6	0.8	40-50	1,059.6	20.3
90-120	0	0	50-60	754.7	14.5
0-90	5,214.6	100	60-70	300.6	5.8
90-180	0	0.0	70-80	36.2	0.7
0-180	5,214.6	100	80-90	3.4	0.1

Polar Candela Distribution



Isoillumination Plot

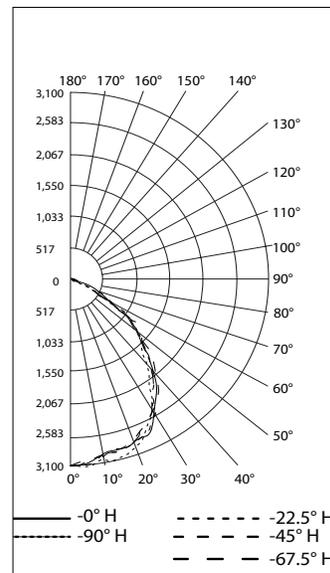


CMLED17G5BU with Clear Polycarbonate Lens

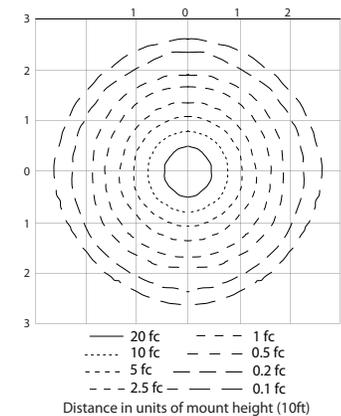
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	2,377.5	36.6	0-10	286.8	4.4
0-40	3,802.2	58.5	10-20	825.9	12.7
0-60	6,057.1	93.2	20-30	1,264.7	19.5
60-90	439.6	6.8	30-40	1,424.8	21.9
70-100	53.6	0.8	40-50	1,314.0	20.2
90-120	0.0	0.0	50-60	940.8	14.5
0-90	6,496.7	100	60-70	386.0	5.9
90-180	0.0	0.0	70-80	49.6	0.8
0-180	6,496.7	100	80-90	4.0	0.1

Polar Candela Distribution



Isoillumination Plot



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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) *

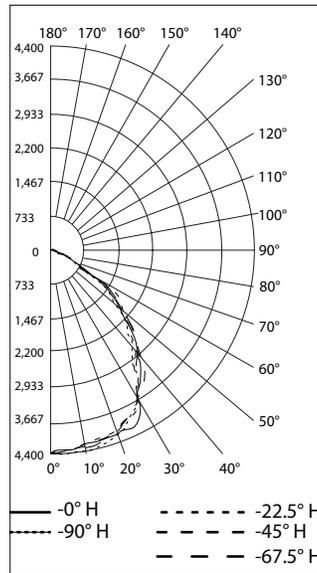
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CMLED25G5BU with Clear Polycarbonate Lens

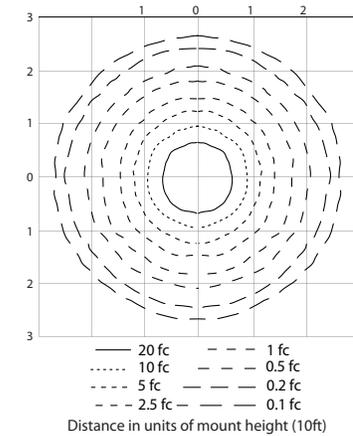
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	3,416.8	36.6	0-10	409.2	4.4
0-40	5,464.9	58.5	10-20	1,186.5	12.7
0-60	8,717.4	93.3	20-30	1,821.1	19.5
60-90	630.4	6.7	30-40	2,048.1	21.9
70-100	70.0	0.7	40-50	1,885.6	20.2
90-120	0.0	0.0	50-60	1,367.0	14.6
0-90	9,347.9	100.0	60-70	560.4	6.0
90-180	0.0	0.0	70-80	65.2	0.7
0-180	9,347.9	100.0	80-90	4.8	0.1

Polar Candela Distribution



Isoillumination Plot

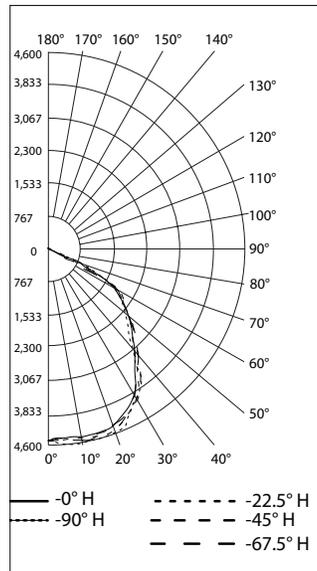


CMLED35G5BU with Clear Polycarbonate Lens

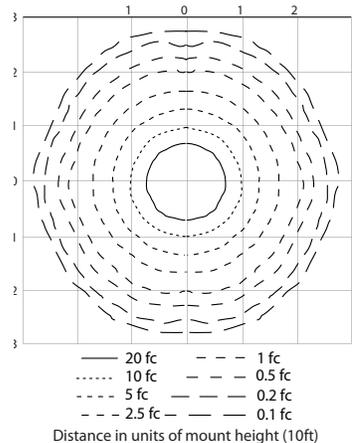
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	3,665.9	32.7	0-10	423.4	3.8
0-40	5,963.9	53.1	10-20	1,263.4	11.3
0-60	10,090.2	89.9	20-30	1,979.2	17.6
60-90	1,113.3	9.9	30-40	2,298.0	20.5
70-100	105.2	0.9	40-50	2,188.1	19.5
90-120	6.5	0.1	50-60	1,938.2	17.3
0-90	11,203.5	99.8	60-70	1,011.3	9.0
90-180	20.1	0.2	70-80	85.8	0.8
0-180	11,223.5	100	80-90	16.1	0.1

Polar Candela Distribution



Isoillumination Plot



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 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) *

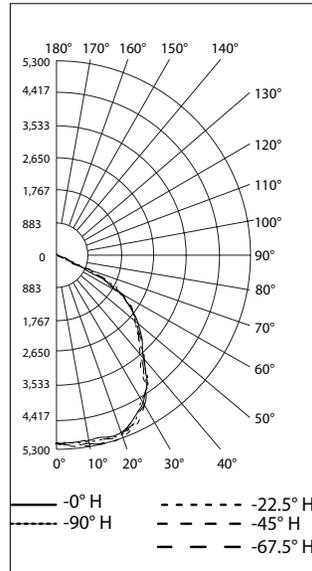
Photometric Data — DATA SHOWN IS ABSOLUTE

CMLED40G5BU with Clear Polycarbonate Lens

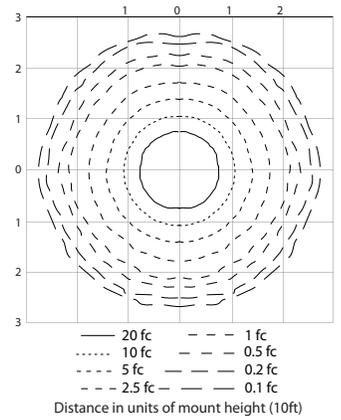
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	4,220.8	33.0	0-10	487.5	3.8
0-40	6,854.3	53.6	10-20	1,454.8	11.4
0-60	11,576.6	90.4	20-30	2,278.5	17.8
60-90	1,199.4	9.4	30-40	2,633.5	20.6
70-100	110.0	0.9	40-50	2,499.8	19.5
90-120	7.7	0.1	50-60	2,222.5	17.4
0-90	12,776.0	99.8	60-70	1,093.5	8.5
90-180	23.3	0.2	70-80	87.8	0.7
0-180	12,799.3	100.0	80-90	18.1	0.1

Polar Candela Distribution



Isoillumination Plot



Appleton

LED/AREA: NEC/CEC, ATEX/IECEx ENCLOSED AND GASKETED

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 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) *

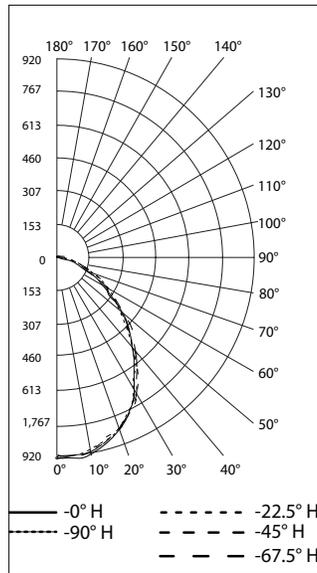
Photometric Data — DATA SHOWN IS ABSOLUTE

CMLED70D5BU with Diffused Polycarbonate Lens

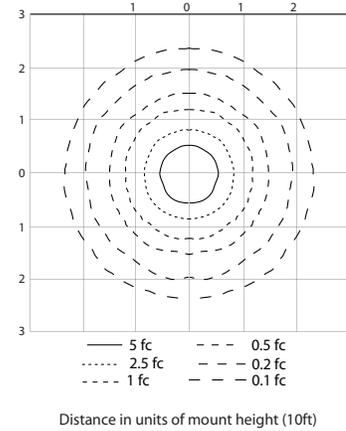
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	687.2	33.1	0-10	85.9	4.1
0-40	1,088.2	52.4	10-20	243.5	11.7
0-60	1,745.1	84.0	20-30	357.8	17.2
60-90	324.7	15.6	30-40	401.0	19.3
70-100	146.6	7.1	40-50	369.8	17.8
90-120	7.4	0.4	50-60	287.1	13.8
0-90	2,069.8	99.6	60-70	185.5	8.9
90-180	7.4	0.4	70-80	99.2	4.8
0-180	2,077.2	100.0	80-90	40.0	1.9
			90-100	0.3	0.0

Polar Candela Distribution



Isoillumination Plot

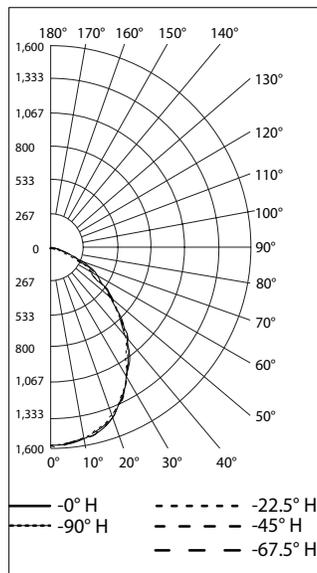


CMLED10D5BU with Diffused Polycarbonate Lens

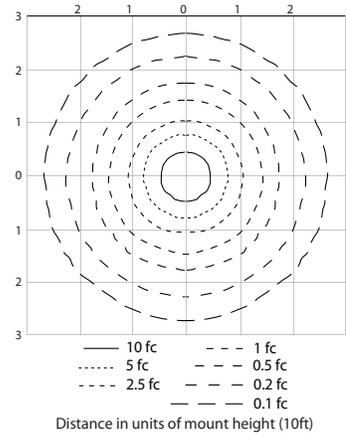
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1,166.5	33.4	0-10	146.0	4.2
0-40	1,845.0	52.7	10-20	413.1	11.8
0-60	2,943.8	84.2	20-30	607.4	17.4
60-90	541.2	15.5	30-40	678.5	19.4
70-100	245.1	7.0	40-50	620.6	17.7
90-120	12.6	0.4	50-60	478.2	13.7
0-90	3,484.9	99.6	60-70	308.7	8.8
90-180	12.6	0.4	70-80	165.5	4.7
0-180	3,497.6	100.0	80-90	67.0	1.9

Polar Candela Distribution



Isoillumination Plot



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 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) *

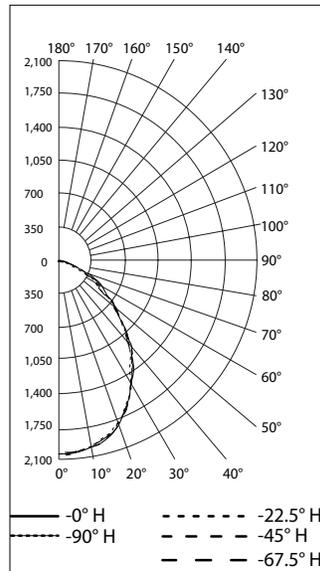
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CMLED15D5BU with Diffused Polycarbonate Lens

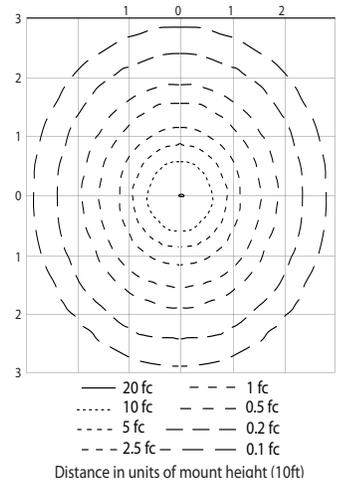
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1,501.7	33.4	0-10	188.4	4.2
0-40	2,371.2	52.7	10-20	533.1	11.9
0-60	3,784.8	84.2	20-30	780.2	17.4
60-90	694.8	15.5	30-40	869.4	19.3
70-100	314.1	7.0	40-50	797.8	17.7
90-120	16.1	0.4	50-60	615.9	13.7
0-90	4,479.6	99.6	60-70	396.7	8.8
90-180	16.1	0.4	70-80	212.2	4.7
0-180	4,495.7	100.0	80-90	85.8	1.9
			90-100	16.1	0.4

Polar Candela Distribution



Isoillumination Plot

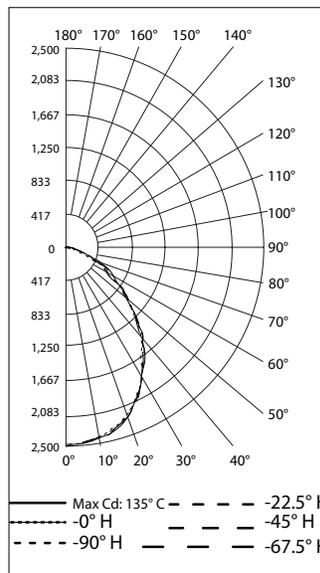


CMLED17D5BU with Diffused Polycarbonate Lens

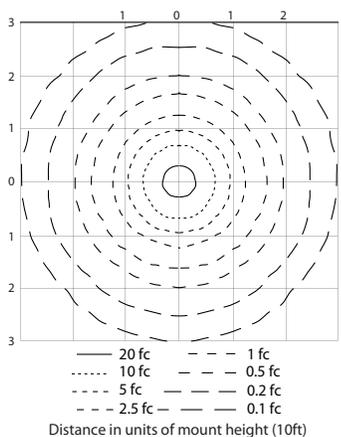
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1,849.4	33.3	0-10	231.7	4.2
0-40	2,923.4	52.7	10-20	655.9	11.8
0-60	4,669.5	84.2	20-30	961.8	17.3
60-90	857.2	15.5	30-40	1,074.1	19.4
70-100	386.7	7.0	40-50	985.3	17.8
90-120	19.5	0.4	50-60	760.8	13.7
0-90	5,526.7	99.6	60-70	489.9	8.8
90-180	19.5	0.4	70-80	261.8	4.7
0-180	5,546.2	100.0	80-90	105.5	1.9
			90-100	19.5	0.4

Polar Candela Distribution



Isoillumination Plot



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 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) *

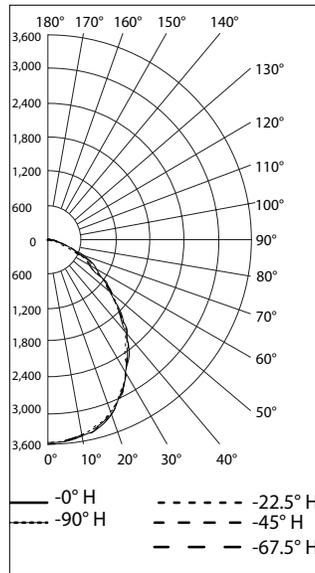
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CMLED25D5BU with Diffused Polycarbonate Lens

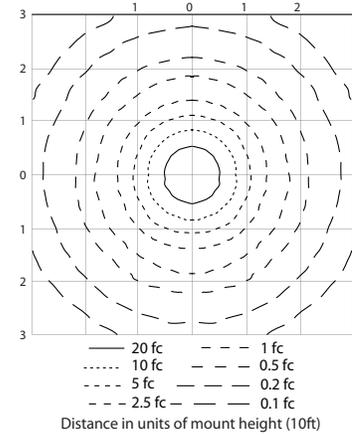
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	2,676.1	33.2	0-10	334.4	4.2
0-40	4,229.8	52.5	10-20	948.9	11.8
0-60	6,771.0	84.0	20-30	1,392.8	17.3
60-90	1,257.5	15.6	30-40	1,553.7	19.3
70-100	566.0	7.0	40-50	1,429.2	17.7
90-120	28.5	0.4	50-60	1,112.0	13.8
0-90	8,028.5	99.6	60-70	720.1	8.9
90-180	28.5	0.4	70-80	383.4	4.8
0-180	8,057.1	100	80-90	154.1	1.9
			90-100	90-100	0.4

Polar Candela Distribution



Isoillumination Plot

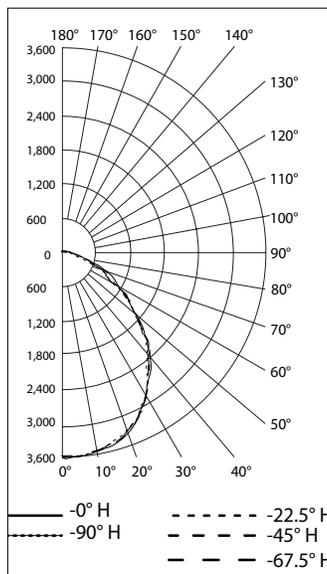


CMLED35D5BU with Diffused Polycarbonate Lens

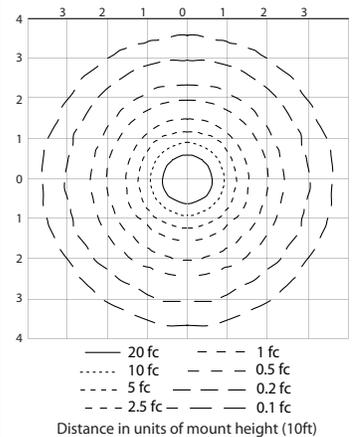
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	3,010.9	30.7	0-10	367.1	3.7%
0-40	4,828.0	49.3%	10-20	1,057.3	10.8%
0-60	8,012.7	81.8%	20-30	1,586.4	16.2%
60-90	1,745.8	17.8%	30-40	1,817.2	18.5%
70-100	789.5	8.1%	40-50	1,738.8	17.7%
70-100	39.0	0.4%	50-60	1,445.9	14.8%
0-90	9,758.5	99.6%	60-70	995.2	10.2%
90-180	39.0	0.4%	70-80	537.6	5.5%
0-180	9,797.5	100%	80-90	212.9	2.2%
			90-100	39.0	0.4%

Polar Candela Distribution



Isoillumination Plot



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 Class II, Division 2, Group F, G
 Class III

NEC/CEC:

Simultaneous Exposure
 Type 3R, 4X
 IP66/67
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 Marine Outside Type (Salt Water) *

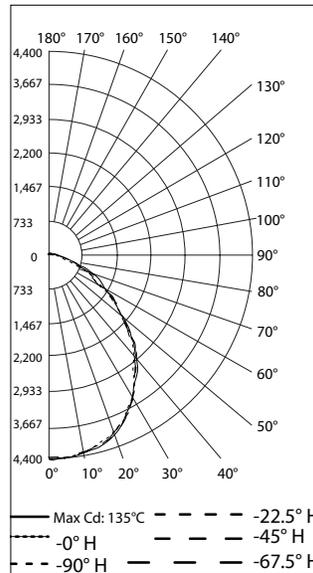
Photometric Data — DATA SHOWN IS ABSOLUTE

CMLED40D5BU with Diffused Polycarbonate Lens

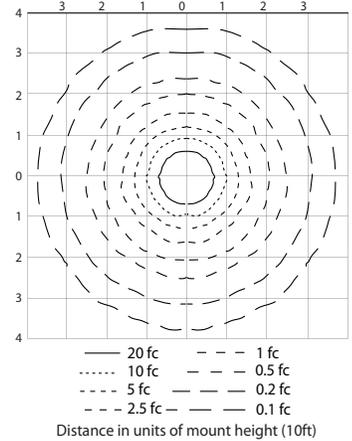
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	3,368.3	31	0-10	412.4	3.8
0-40	5,387.0	49.6	10-20	1,185.0	10.9
0-60	8,890.5	81.9	20-30	1,771.0	16.3
60-90	1,920.2	17.7	30-40	2,018.7	18.6
70-100	874.5	8.1	40-50	1,918.8	17.7
90-120	44.0	0.4	50-60	1,584.6	14.6
0-90	10,810.7	99.6	60-70	1,089.6	10.0
90-180	44.0	0.4	70-80	593.1	5.5
0-180	10,854.6	100	80-90	237.5	2.2
			90-100	44.0	44.0

Polar Candela Distribution



Isoillumination Plot



Appleton®

LED/AREA: NEC/CEC, ATEX/IECEx ENCLOSED AND GASKETED

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