

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D
Class I, Zone 2, Group IIC
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups F,G
Class III
Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X
IP66
Simultaneous Exposure
Suitable for Use in Wet Locations
Marine Outside Type (Salt Water) For USA ONLY ⌘

Applications

- Enclosed and gasketed fixtures suitable for use in:
 - A wide range of industrial, chemical processing and other areas where flammable gases and vapors are present
 - Marine and wet locations
 - Areas of low clearance, low ceiling heights or where fixture weights must be minimized
- Typical applications include:
 - Pulp and paper mills
 - Processing plants
 - Chemical plants
 - Petrochemical facilities
 - Oil refineries
 - Drilling rigs
 - Foundries
 - Waste and sewage treatment
 - Mining
 - Steel mills

Features

- Compact light weight low profile design is suited for low mounting heights.
- Six standard mounting hood designs allow for mounting in any location. Uses same mounting hoods as Mercmaster III.
- Customize to the application requirements with four different globe options: clear and diffused polycarbonate, clear glass, or prismatic glass refractor.
- Three light output levels for retrofit of HID fixtures up to 150 W.
- Hinge has high lip for added safety during installation and servicing. Hinge and bolt construction assures 360° compression at all points on fixture housing gasket for positive sealing. Swing away design of captive bolt and nut simplifies servicing.
- Ambient Temperature: BU: -40 °C to +55 °C (-40 °F to +131 °F)
BH: -30 °C up to +55 °C (-22 °F up to +131 °F)
- Standard screw-type terminal block can accept UL/CSA 24-8 AWG wire.
- Standard NPT threads.
- Lamp life rated at 60,000 Hours.

Options

- Glass globe guard is stainless steel wire. Glass refractor guard is die cast aluminum with gray epoxy powder coating to match fixtures.
- All Mercmaster mounting hoods have provision for fusing; add suffix -F at the end of the catalog number. ①
- Photocontrols are available with all except ceiling and pendant cone mounting hoods, and are configured to your operating voltage. ②

Standard Materials

- Mounting hoods and bodies: cast copperfree (4/10 of 1% max.) aluminum
- All hardware and catch assemblies: stainless steel
- Globe: polycarbonate or glass
- Refractor: heat-resistant prismatic glass
- Glass globe guard: stainless steel wire
- Glass refractor guard: die cast aluminum
- Reflectors : fiberglass reinforced white polyester

① Factory Installed.

② Available for 120-277 Vac models only.

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



Standard Finishes

- Mounting hoods, bodies and glass refractor guard: gray epoxy powder coat finish, electrostatically applied for complete uniform protection

NEC/CEC Certifications and Compliances

- UL Standard: UL 50; UL 844, UL 1598, UL 1598A, UL 8750
- CSA Standard: C22.2 No 0; C22.2 No. 94; C22.2 No. 60529; C22.2 No. 137; C22.2 No. 250.0
- ANSI/IEC Standard: 60529
- cCSAus Listed: Master contract 164460
- DLC Qualified Products Listed

Related Products

- NEC, Class I, Division 2 photocells for classified use are available, see PCD2 Series.
 - Mounting hoods with photocontrols are not rated IP66, Type 4X or Marine Outside Type (Salt Water), or rated Class II.

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Illustrated Features

Heatsink

Reliable heat transfer via the cast, epoxy powder coat aluminum body. Provides maximum heat dissipation from the LED assembly to the outside environment.



Driver Assembly

Utilizing non-sparking components avoiding the ignition of gases or vapors that may be present.

Terminal Blocks

A seven-point terminal block is provided to facilitate wiring. Terminal block accommodates wire size ranging from 24-8 AWG.



LED Chamber

Protected by polycarbonate or glass globe, allows for easy maintenance access.



Fuses (optional)

Two screws secure fuse kit to mounting boss in any Mercmaster mounting hood. Fuse included ①. Use of fuse voids Marine Outside Type (salt water) rating.

Photocell (optional)

Available for all fixtures ② except cone and ceiling mount. Provides continuous ON-OFF dusk-to-dawn control. Note: Fixtures with PCD2 photocontrols are not rated IP66, Type 4X, Marine Outside Type (Salt Water), or Class II.

Prismatic Refractors

Heat-resistant refractor threads directly into fixture housing and seal against a high-temperature silicone rubber gasket.



Reflectors

Reflectors are thick, tough fiberglass reinforced white polyester. Quickly attach with furnished stainless steel screws.



Epoxy Finish

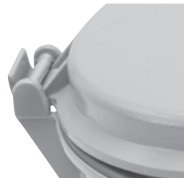
Fixture housing, hoods and guards are copperfree aluminum with epoxy powder coat finish.

Electrical Protection

Ground wire provided to bond mounting hood to fixture housing.

"Safety" High Hinge

Extra-high hinge provides additional protection against accidental fixture housing disengagement during installation or maintenance.



Cooler Operating Cone Hood

Larger sloped surface sheds dusts, dirt and combustible fibers providing better heat dissipation.

Mounting Hood and Globe Gaskets

Silicone rubber gaskets seal out moisture, dirt and dust. Stays flexible, withstands high temperatures. Closure design assures uniform gasket compression.

Stainless Steel Latch Assembly

Captive, stainless steel latch assembly bolt and nut closes securely, resists attack of corrosive atmospheres. Swing-away design simplifies servicing.



① Factory Installed.

② Available for 120-277 Vac models only.

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

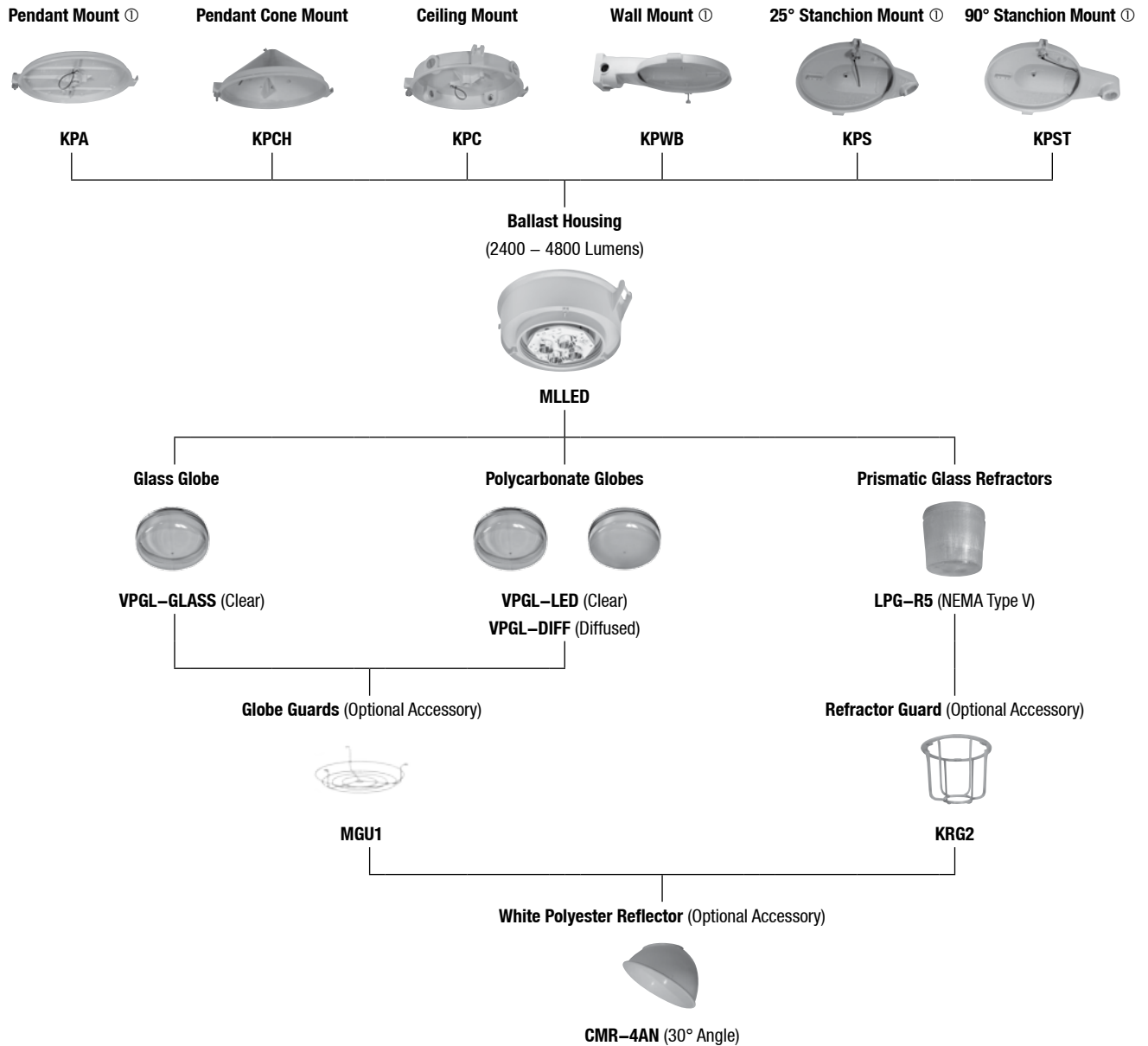
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Mercmaster LED Low Profile Family Tree



① Mounting hood with a 120 V or 208-277 V factory installed photocell is available.

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

Catalog Numbering Guide

For Hazardous Locations:

MLLED	A	2	2	P5	BU	1
MLLED - NEC/CEC Certified Mercmaster LED Low Profile Series		Lumen Output ⑤: 2 - 2K Lumens, 5700K CCT 3 - 3K Lumens, 5700K CCT 4 - 4K Lumens, 5700K CCT		P5- NEMA Type V Clear Polycarbonate Globe D5- NEMA Type V Diffused Polycarbonate Globe G5- NEMA Type V Glass Globe ④ J5- NEMA Type V Glass Refractor ④		Options: F - Fusing ② 1 - Photocontrol 120V ③ 2 - Photocontrol 208V ③ 3 - Photocontrol 240V ③ 4 - Photocontrol 277V ③
	Mounting: A - Pendant C - Ceiling ① D - Pendant Cone Hood ① R - 90° Stanchion S - 25° Stanchion W - Wall		Hub Size: 2 - 3/4" NPT 3 - 1" NPT 4 - 1-1/4" NPT stanchion 5 - 1-1/2" NPT stanchion		Voltage: BU - 120-277 Vac, 50/60Hz BH - 347-480 Vac, 50/60Hz	

① Ceiling and pendant cone hood mounted luminaires are not designed to use the PCD2 photocontrol. Ceiling mounts must use an FS/FD box with a photocontrol. Contact your local sales representative for more information.

② Factory installed.

③ Luminaires with photocontrol are not rated IP66, Marine Outside Type (Salt Water), or Class II. Photocontrol available for 120-277 Vac only.

④ Guards for the glass refractors and globes are ordered separately. See the Accessories for more information.

⑤ For specific lumen output information, see Lamp Comparison Chart.

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

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Technical Data

Lamp		Ambient Temperature °C (°F)	Supply Wire Temperature °C (°F)	NEC/CEC					Gas/Dust Simultaneous ① Class I, Division 2/ Class II, Division 1
Model	Type			Class I, Division 2 ①	Gas Groups	Class I, Zone 2 Group IIC	Class II, Division 1 and 2 ②	Dust Zone 20, Group IIIC, IIIB, Group IIIA	
MLLED2BU	LED	55 (131)	90 (194)	T4A	A, B, C, D	T4	T4A	E, F, G	T4A
MLLED3BU	LED	55 (131)	90 (194)	T4A		T4	T4A		T4A
MLLED4BU	LED	55 (131)	90 (194)	T4A		T4	T4A		T4A
MLLED2BH	LED	40 (104)	90 (194)	T5	A, B, C, D	T4	T4A	E, F, G	T4A
		55 (131)	90 (194)	T4A		T4	T4A		T4A
MLLED3BH	LED	40 (104)	90 (194)	T5		T4	T4A		T4A
		50 (122)	90 (194)	T5		T4	T4A		T4A
MLLED4BH	LED	40 (104)	90 (194)	T5		T4	T4A		T4A
		55 (131)	90 (194)	T4A		T4	T4A		T4A

“T” Numbers Represent the Maximum Internal Temperature ① or Maximum Surface Temperature ②

“T” #	NEC/CEC															
	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)

Electrical Specification

Lumens ③												
Model	Line Current Amps (50/60Hz)	Input Power	Power Factor	THD	Polycarbonate Clear Globe	Polycarbonate	Glass	Type V	CRI	Color Temp CCT	Equivalent HID Luminaire	
						Diffused Globe	Clear Globe	Prismatic Glass Refractor				

NEMA Type V

MLLED2	.21 @120V	26	> .97	< 20%	2400	2300	2500	2200	>70	5700K	70 W
	.10 @277V	26									
	.07 @347V .05 @480V	26 26									
MLLED3	.29 @120V	35	> .97	< 20%	3400	3300	3600	3100	>70	5700K	100 W
	.13 @277V	34									
	.10 @347V .07 @480V	34 34									
MLLED4	.41 @120V	48	> .88	< 20%	4800	4600	5000	4300	>70	5700K	150 W
	.20 @277V	48									
	.13 @347V .10 @480V	48 48									

Surge protection common/differential mode:
 1000kHz Ring Wave (w/t 30ohm)

BU: 6kv

BH: 2.5kv

1.2/50 μ s combination wave (w/t 2 Ω)

	BU	BH
MLLED2	4kv	3kv
MLLED3	4kv	3kv
MLLED3	3kv	3kv

① T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.

② T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 as designated by the NEC.

③ All lumen values are typical (tolerance +/- 10%).

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	Hub Size	Lumen Level	With Type V Polycarbonate Globe ①②	With Type V Polycarbonate Diffused Globe ①②	Glass Globe ①②③	With Type V Glass Refractor ①②③
Pendant — One Hub						
	3/4	2K	MLLEDA22P5	MLLEDA22D5	MLLEDA22G5	MLLEDA22J5
	3/4	3K	MLLEDA32P5	MLLEDA32D5	MLLEDA32G5	MLLEDA32J5
	3/4	4K	MLLEDA42P5	MLLEDA42D5	MLLEDA42G5	MLLEDA42J5
	1	2K	MLLEDA23P5	MLLEDA23D5	MLLEDA23G5	MLLEDA23J5
	1	3K	MLLEDA33P5	MLLEDA33D5	MLLEDA33G5	MLLEDA33J5
	1	4K	MLLEDA43P5	MLLEDA43D5	MLLEDA43G5	MLLEDA43J5
Ceiling — Five Hubs, Four Close-up Plugs						
	3/4	2K	MLLEDC22P5	MLLEDC22D5	MLLEDC22G5	MLLEDC22J5
	3/4	3K	MLLEDC32P5	MLLEDC32D5	MLLEDC32G5	MLLEDC32J5
	3/4	4K	MLLEDC42P5	MLLEDC42D5	MLLEDC42G5	MLLEDC42J5
	1	2K	MLLEDC23P5	MLLEDC23D5	MLLEDC23G5	MLLEDC23J5
	1	3K	MLLEDC33P5	MLLEDC33D5	MLLEDC33G5	MLLEDC33J5
	1	4K	MLLEDC43P5	MLLEDC43D5	MLLEDC43G5	MLLEDC43J5
Pendant Cone — One Hub, Rigid Mounting						
	3/4	2K	MLLEDD22P5	MLLEDD22D5	MLLEDD22G5	MLLEDD22J5
	3/4	3K	MLLEDD32P5	MLLEDD32D5	MLLEDD32G5	MLLEDD32J5
	3/4	4K	MLLEDD42P5	MLLEDD42D5	MLLEDD42G5	MLLEDD42J5
	1	2K	MLLEDD23P5	MLLEDD23D5	MLLEDD23G5	MLLEDD23J5
	1	3K	MLLEDD33P5	MLLEDD33D5	MLLEDD33G5	MLLEDD33J5
	1	4K	MLLEDD43P5	MLLEDD43D5	MLLEDD43G5	MLLEDD43J5

① For 120-277 Vac, use suffix **-BU**. For 347-480 Vac, use suffix **-BH**.

② For optional fusing, add suffix **-F** to the end of the catalog number. Factory installed.

③ Guards are available for fixtures with glass globe or refractor. See following pages for accessory ordering information.

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

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	Hub Size	Lumen Level	With Type V Polycarbonate Globe ①②	With Type V Polycarbonate Diffused Globe ①②	Glass Globe ①②③	With Type V Glass Refractor ①②③
90° Stanchion — One Hub						
	1 - 1/4	2K	MLLEDR24P5	MLLEDR24D5	MLLEDR24G5	MLLEDR24J5
	1 - 1/4	3K	MLLEDR34P5	MLLEDR34D5	MLLEDR34G5	MLLEDR34J5
	1 - 1/4	4K	MLLEDR44P5	MLLEDR44D5	MLLEDR44G5	MLLEDR44J5
	1 - 1/2	2K	MLLEDR25P5	MLLEDR25D5	MLLEDR25G5	MLLEDR25J5
	1 - 1/2	3K	MLLEDR35P5	MLLEDR35D5	MLLEDR35G5	MLLEDR35J5
	1 - 1/2	4K	MLLEDR45P5	MLLEDR45D5	MLLEDR45G5	MLLEDR45J5
25° Stanchion — One Hub						
	1 - 1/4	2K	MLLEDS24P5	MLLEDS24D5	MLLEDS24G5	MLLEDS24J5
	1 - 1/4	3K	MLLEDS34P5	MLLEDS34D5	MLLEDS34G5	MLLEDS34J5
	1 - 1/4	4K	MLLEDS44P5	MLLEDS44D5	MLLEDS44G5	MLLEDS44J5
	1 - 1/2	2K	MLLEDS25P5	MLLEDS25D5	MLLEDS25G5	MLLEDS25J5
	1 - 1/2	3K	MLLEDS35P5	MLLEDS35D5	MLLEDS35G5	MLLEDS35J5
	1 - 1/2	4K	MLLEDS45P5	MLLEDS45D5	MLLEDS45G5	MLLEDS45J5
Wall — Five Hubs, Four Close-Up Plugs						
	3/4	2K	MLLEDW22P5	MLLEDW22D5	MLLEDW22G5	MLLEDW22J5
	3/4	3K	MLLEDW32P5	MLLEDW32D5	MLLEDW32G5	MLLEDW32J5
	3/4	4K	MLLEDW42P5	MLLEDW42D5	MLLEDW42G5	MLLEDW42J5
	1	2K	MLLEDW23P5	MLLEDW23D5	MLLEDW23G5	MLLEDW23J5
	1	3K	MLLEDW33P5	MLLEDW33D5	MLLEDW33G5	MLLEDW33J5
	1	4K	MLLEDW43P5	MLLEDW43D5	MLLEDW43G5	MLLEDW43J5

① For 120-277 Vac, use suffix **-BU**. For 347-480 Vac, use suffix **-BH**.

② For optional fusing, add suffix **-F** to the end of the catalog number. Factory installed.

③ Guards are available for fixtures with glass globe or refractor. See following pages for accessory ordering information.

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Fixture Unit — Ballast Body and Globe or Refractor



Catalog Number ①							
Lumen Level	LED Wattage	Light Level Equivalent	NEMA Type	For Polycarbonate Globe	For Polycarbonate Diffused Globe	Glass Globe ②	For Refractor ②
NEC/CEC Certified Fixture Housing - For Hazardous Locations							
2K	26	70W HPS	Type V	MLLED2P5	MLLED2D5	MLLED2G5	MLLED2J5
3K	35	100W HPS	Type V	MLLED3P5	MLLED3D5	MLLED3G5	MLLED3J5
4K	48	150W HPS	Type V	MLLED4P5	MLLED4D5	MLLED4G5	MLLED4J5

Mounting Hoods

Description		Hub Size	Catalog Number
Pendant			
	One Hub	3/4	KPA-75
		1	KPA-100
Pendant Cone			
	One Hub, Rigid Mounting	3/4	KPCH-75
		1	KPCH-100
Ceiling			
	Five Hubs, Four Close-Up Plugs	3/4	KPC-75
		1	KPC-100
Wall			
	Five Hubs, Four Close-Up Plugs	3/4	KPWB-75
		1	KPWB-100
25° Stanchion			
	One Hub	1-1/4	KPS-125
		1-1/2	KPS-150
90° Stanchion			
	One Hub	1-1/4	KPST-125
		1-1/2	KPST-150

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Replacement Parts

	Description	Catalog Number
Globes and Gaskets		
	Clear Globe (polycarbonate)	VPGL-LED
	Diffused Globe (polycarbonate)	VPGL-DIFF
	Glass Globe	VPGL-GLASS
	Globe Gasket — Silicone Rubber	KRF-GK

	Light Distribution	Catalog Number
Closed Prismatic Glass Refractors — All Heat-Resistant		
 Glass Refractor	NEMA Type V	LPG-R5

	Description	Catalog Number
LED Array		
	MLLED2 Array assembly, Type V, 5700K	MLLED2A5W
	MLLED3 Array assembly, Type V, 5700K	MLLED3A5W
	MLLED4 Array assembly, Type V, 5700K	MLLED4A5W
Drivers		
	120-277V Driver for MLLED2 and MLLED3	MLLEDDBU
	120-277V Driver for MLLED4BU	MLLEDDBU4
	347-480V Driver for MLLED2BH	MLLEDDBH2
	347-480V Driver for MLLED3BH	MLLEDDBH3
	347-480V Driver for MLLED4BH	MLLEDDBH4

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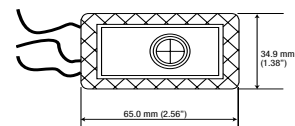
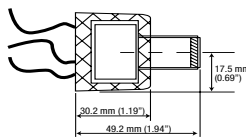
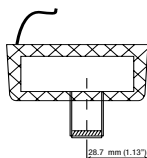
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Accessories

	Description	Catalog Number
White Polyester Reflectors		
	30° Angle	CMR-4AN
Guards		
	Glass Globe Guard	MGU1
	Refractor Guard	KRG2
Adapters		
	Adapter Assembly from V51 to MM III/LED Series	LPAD-1 ①

PCD2 Series Factory Sealed Hazardous Location Photocontrol ②

	Voltage Range	Max VA	Max Current Amps	Suffix Designation Catalog Number
Factory Installed Photocontrol — Not for ceiling or pendant cone				
<i>Add to fixture catalog after voltage; i.e.: MLLEDA32P5BU1.</i>				
	120 V, 50/60 Hz	1000	8.3 Amp	1
	208 V, 50/60 Hz	1000	4.8 Amp	2
	240 V, 50/60 Hz	1000	4.2 Amp	3
	277 V, 50/60 Hz	1000	3.6 Amp	4
Mercmaster III wall mounting hood with photocontrol installed shown				
Photocontrol ②, purchased separately				
	120 V, 50/60 Hz	1000	8.3 Amp	PC120D2
	208 V, 50/60 Hz	1000	4.8 Amp	PC247D2
	240 V, 50/60 Hz	1000	4.2 Amp	
	277 V, 50/60 Hz	1000	3.6 Amp	
Photocontrol in FS Cover for Use with FS/FD Box				
<i>Supplied with two stainless steel screws. For neoprene gasket, order catalog number FS-GKR-1N.</i>				
	120 V, 50/60 Hz	1000	8.3 Amp	FSKA-PC120D2
	208 V, 50/60 Hz	1000	4.8 Amp	FSKA-PC247D2
	240 V, 50/60 Hz	1000	4.2 Amp	
	277 V, 50/60 Hz	1000	3.6 Amp	



① LPAD-1 adapter is not CSA certified for use with MLED luminaires.

② Fixtures with photocontrols are not rated IP66, Type 4X, marine outside type (salt water), or Class II. Available for 120-277 Vac versions only.

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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

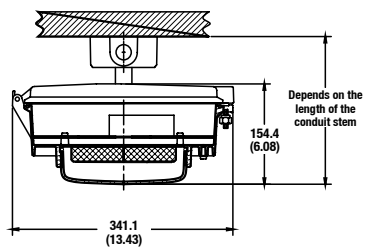
NEC/CEC:

Class I, Division 2, Groups A,B,C,D
 Class I, Zone 2, Group IIC
 Class II, Division 1, Groups E,F,G
 Class II, Division 2, Groups F,G
 Class III
 Zone 20, Group IIIC and Zone 21, Group IIIB

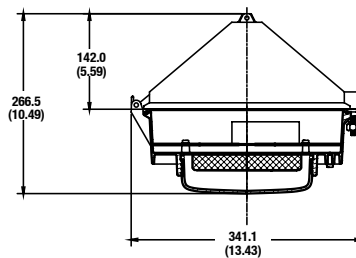
NEC/CEC:

Type 3R, 4, 4X
 IP66
 Simultaneous Exposure
 Suitable for Use in Wet Locations
 Marine Outside Type (Salt Water) For USA ONLY ⌘

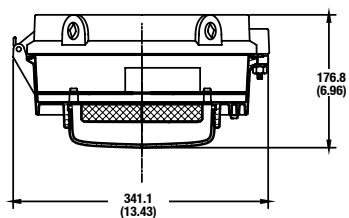
Dimensions in Millimeters (Inches)



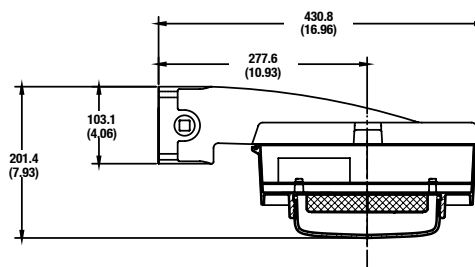
Pendant Mount



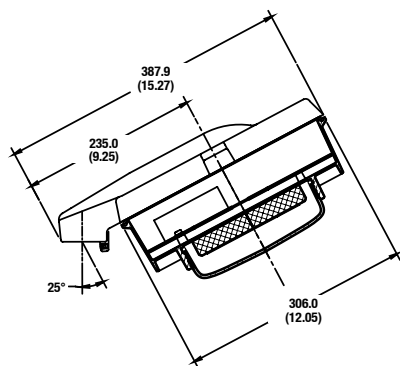
Pendant Cone Mount



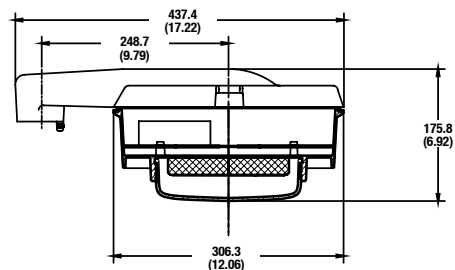
Ceiling Mount



Wall Mount



Angle Stanchion Mount



Stanchion Mount

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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D

Class I, Zone 2, Group IIC

Class II, Division 1, Groups E,F,G

Class II, Division 2, Groups F,G

Class III

Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X

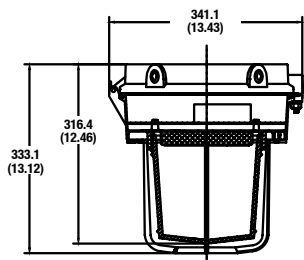
IP66

Simultaneous Exposure

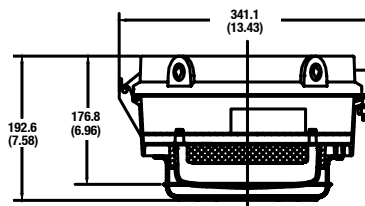
Suitable for Use in Wet Locations

Marine Outside Type (Salt Water) For USA ONLY ⌘

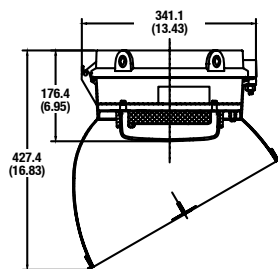
Dimensions With Polycarbonate Globe in Millimeters (Inches)



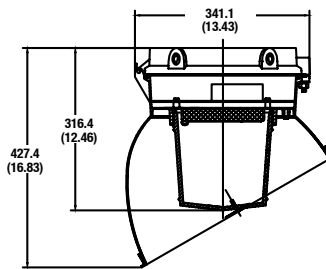
Ceiling Mount w/ Refractor and Guard



Ceiling Mount w/ Glass Globe and Guard



Ceiling Mount with Globe and 30° Reflector



Ceiling Mount with Refractor and 30° Reflector

Mercmaster LED Low Profile Fixture and Mounting Hood Weights

Description	Weight kg (lb)
Fixture Unit (MLLED2/MLLED3)	4.1 (9.00)
Fixture Unit (MLLED4)	4.6 (10.1)
Pendant Mounting Hood	1.0 (2.25)
Pendant Cone Mounting Hood	1.1 (2.50)
Ceiling Mounting Hood	1.4 (3.00)
Wall Mounting Hood	1.8 (4.00)
25° Stanchion Mounting Hood	1.5 (3.25)
90° Stanchion Mounting Hood	1.7 (3.75)

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

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

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Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

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 Class I, Zone 2, Group IIC
 Class II, Division 1, Groups E,F,G
 Class II, Division 2, Groups F,G
 Class III
 Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:
 Type 3R, 4, 4X
 IP66
 Simultaneous Exposure
 Suitable for Use in Wet Locations
 Marine Outside Type (Salt Water) For USA ONLY ☞

Photometric Data — DATA SHOWN IS ABSOLUTE

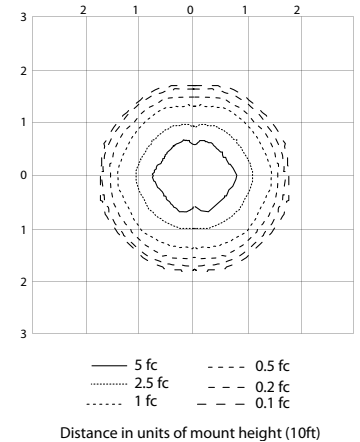
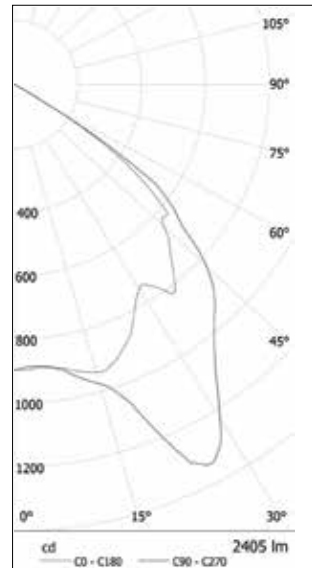
MLLED2P5BU 2K Lumen 5700K CCT with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	852.7	35.4	0-10	86.5	3.6
0-40	1423	59.2	10-20	280.4	11.7
0-60	2368	98.5	20-30	485.8	20.2
60-90	37.0	1.5	30-40	570.3	23.7
0-90	2406	100.0	40-50	573.0	23.8
90-180	0.0	0.0	50-60	372.5	15.5
0-180	2406	100.0	60-70	27.9	1.2
			70-80	7.0	0.3
			80-90	2.1	0.1



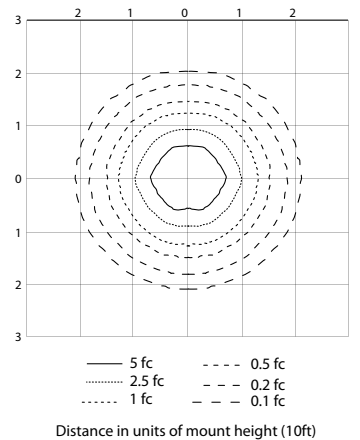
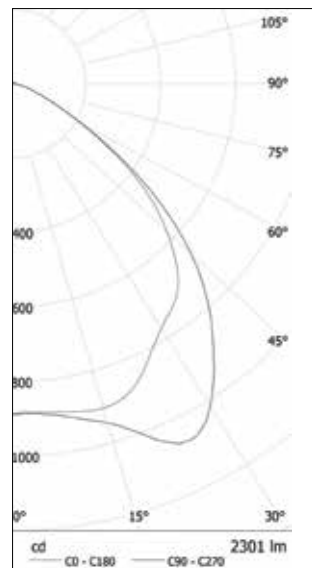
MLLED2D5BU 2K Lumen 5700K CCT with Diffused Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	788.1	34.3	0-10	85.9	3.7
0-40	1299	56.5	10-20	266.8	11.6
0-60	2092	90.9	20-30	435.4	18.9
60-90	194.5	8.5	30-40	510.6	22.2
0-90	2286	99.4	40-50	478.8	20.8
90-180	14.7	0.6	50-60	314.0	13.6
0-180	2301	100.0	60-70	130.7	5.7
			70-80	50.4	2.2
			80-90	13.4	0.6
			90-100	4.0	0.2
			100-110	9.5	0.4
			110-120	1.2	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D

Class I, Zone 2, Group IIC

Class II, Division 1, Groups E,F,G

Class II, Division 2, Groups F,G

Class III

Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X

IP66

Simultaneous Exposure

Suitable for Use in Wet Locations

Marine Outside Type (Salt Water) For USA ONLY ⌘

Photometric Data — DATA SHOWN IS ABSOLUTE

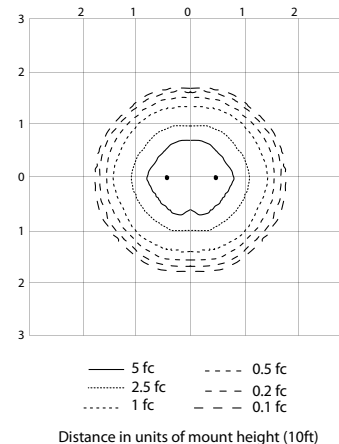
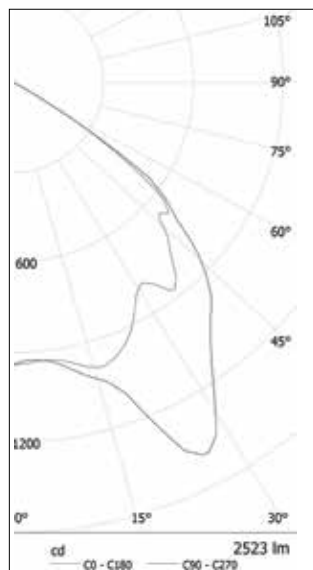
MLLED2G5BU 2K Lumen 5700K CCT with Glass Globe

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	896.4	35.5	0-10	90.7	3.6
0-40	1498	59.4	10-20	294.9	11.7
0-60	2490	98.7	20-30	510.7	20.2
60-90	33.4	1.3	30-40	601.9	23.9
0-90	2523	100.0	40-50	605.8	24.0
90-180	0.0	0.0	50-60	385.7	15.3
0-180	2523	100.0	60-70	26.1	1.0
			70-80	5.8	0.2
			80-90	1.4	0.1



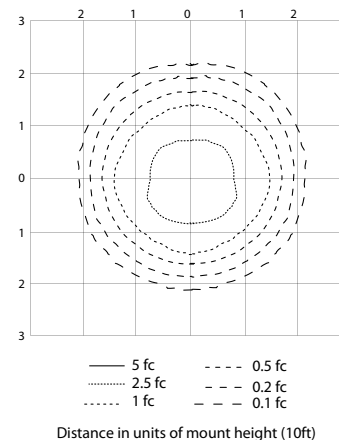
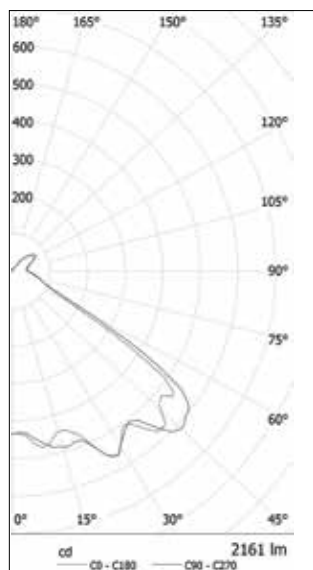
MLLED2J5BU 2K Lumen 5700K CCT with Glass Refractor

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	421.8	19.5	0-10	42.6	2.0
0-40	758.5	35.1	10-20	137.9	6.4
0-60	1612	74.6	20-30	241.3	11.2
60-90	287.7	13.3	30-40	336.8	15.6
0-90	1900	87.9	40-50	440.2	20.4
90-180	261.4	12.1	50-60	413.6	19.1
0-180	2161	100.0	60-70	155.1	7.2
			70-80	79.1	3.7
			80-90	53.5	2.5
			90-100	42.3	2.0
			100-110	43.7	2.0
			110-120	53.9	2.5
			120-130	60.8	2.8
			130-140	42.9	2.0
			140-150	16.4	0.8
			150-160	1.4	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

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NEC/CEC:

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Photometric Data — DATA SHOWN IS ABSOLUTE

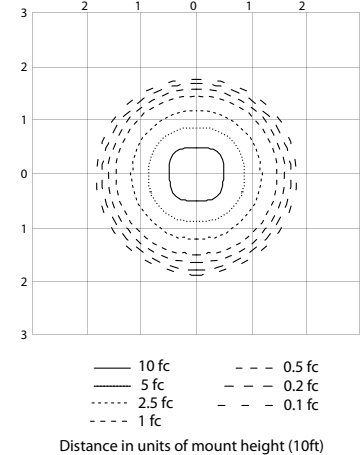
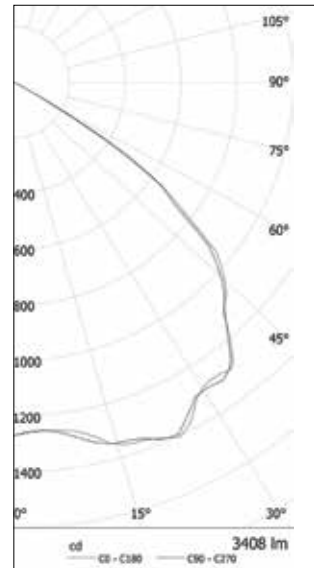
MLLED3P5BU 3K Lumen 5700K CCT with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1161	34.1	0-10	121.6	3.6
0-40	1992	58.5	10-20	378.1	11.1
0-60	3358	98.5	20-30	660.9	19.4
60-90	49.5	1.5	30-40	831.4	24.4
0-90	3408	100.0	40-50	837.7	24.6
90-180	0.0	0.0	50-60	528.5	15.5
0-180	3408	100.0	60-70	37.7	1.1
			70-80	9.2	0.3
			80-90	2.6	0.1



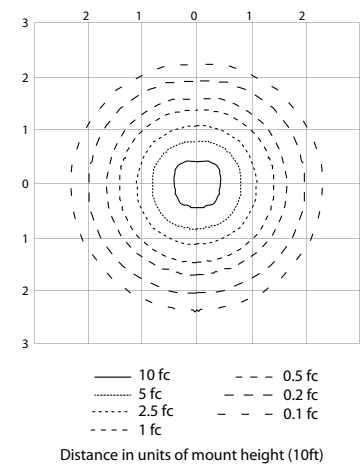
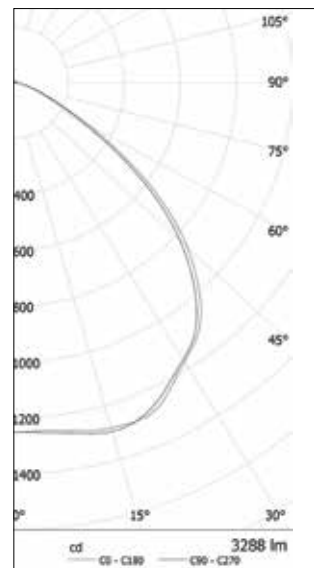
MLLED3D5BU 3K Lumen 5700K CCT with Diffused Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1090	33.2	0-10	120.5	3.7
0-40	1827	55.6	10-20	366.3	11.1
0-60	2980	90.6	20-30	603.4	18.4
60-90	283.7	8.6	30-40	736.6	22.4
0-90	3263	99.3	40-50	698.3	21.2
90-180	24.6	0.7	50-60	454.6	13.8
0-180	3288	100.0	60-70	188.8	5.7
			70-80	73.6	2.2
			80-90	21.3	0.6
			90-100	7.3	0.2
			100-110	14.8	0.4
			110-120	2.5	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

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Class I, Zone 2, Group IIC

Class II, Division 1, Groups E,F,G

Class II, Division 2, Groups F,G

Class III

Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X

IP66

Simultaneous Exposure

Suitable for Use in Wet Locations

Marine Outside Type (Salt Water) For USA ONLY ⌘

Photometric Data — DATA SHOWN IS ABSOLUTE

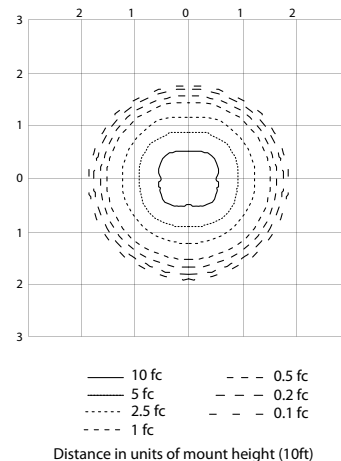
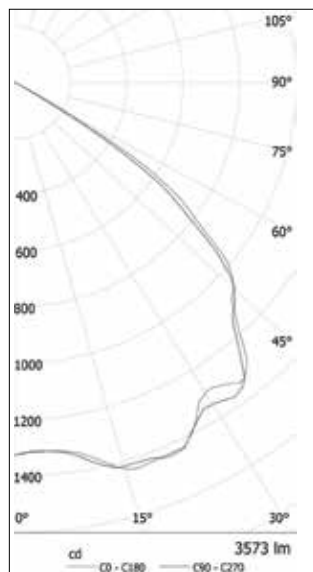
MLLED3G5BU 3K Lumen 5700K CCT with Glass Globe

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1220	34.1	0-10	127.4	3.6
0-40	2095	58.6	10-20	397.2	11.1
0-60	3525	98.7	20-30	695.5	19.5
60-90	47.7	1.3	30-40	874.8	24.5
0-90	3573	100.0	40-50	880.9	24.7
90-180	0.0	0.0	50-60	549.3	15.4
0-180	3573	100.0	60-70	36.8	1.0
			70-80	8.5	0.2
			80-90	2.3	0.1



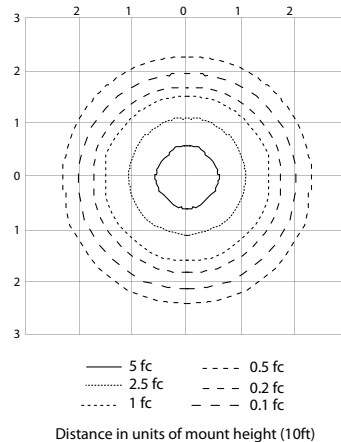
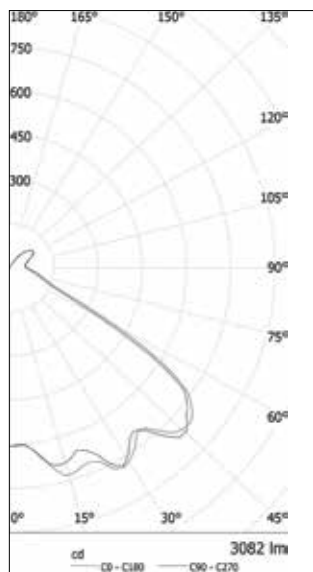
MLLED3J5BU 3K Lumen 5700K CCT with Glass Refractor

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	593.6	19.3	0-10	59.9	1.9
0-40	1069	34.7	10-20	194.1	6.3
0-60	2292	74.4	20-30	339.6	11.0
60-90	417.3	13.5	30-40	475.6	15.4
0-90	2709	87.9	40-50	622.0	20.2
90-180	372.4	12.1	50-60	601.0	19.5
0-180	3082	100.0	60-70	227.5	7.4
			70-80	113.1	3.7
			80-90	76.7	2.5
			90-100	60.6	2.0
			100-110	62.7	2.0
			110-120	76.1	2.5
			120-130	84.4	2.8
			130-140	61.2	2.0
			140-150	24.1	0.8
			150-160	2.2	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

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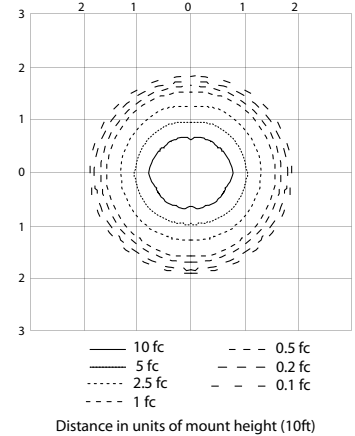
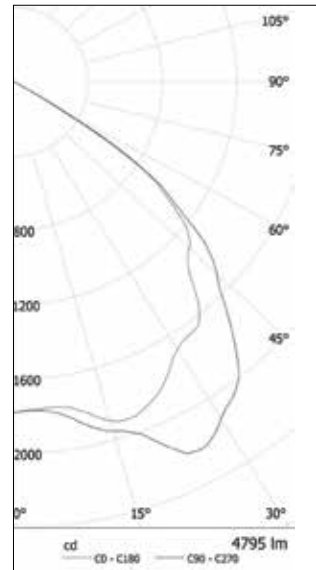
MLLED4P5BU 4K Lumen 5700K CCT with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1676	34.9	0-10	171.9	3.6
0-40	2829	59.0	10-20	549.3	11.5
0-60	4705	98.1	20-30	954.3	19.9
60-90	89.7	1.9	30-40	1153	24.0
0-90	4795	100.0	40-50	1126	23.5
90-180	0.0	0.0	50-60	751.1	15.7
0-180	4795	100.0	60-70	63.9	1.3
			70-80	17.9	0.4
			80-90	7.8	0.2



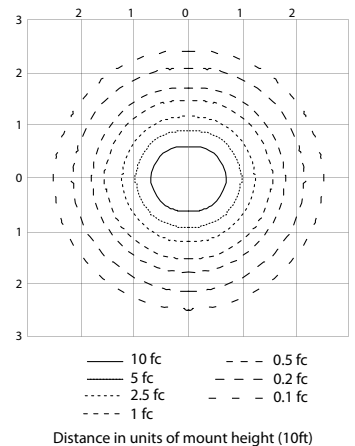
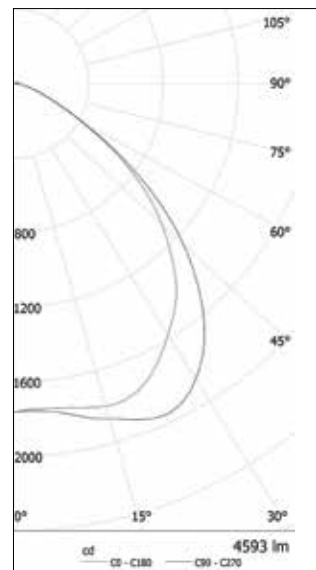
MLLED4D5BU 4K Lumen 5700K CCT with Diffused Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1560	34.0	0-10	170.4	3.7
0-40	2583	56.2	10-20	526.5	11.5
0-60	4159	90.6	20-30	863.6	18.8
60-90	398.6	8.7	30-40	1022	22.3
0-90	4558	99.2	40-50	948.3	20.6
90-180	35.2	0.8	50-60	628.0	13.7
0-180	4593	100.0	60-70	266.2	5.8
			70-80	102.8	2.2
			80-90	29.6	0.6
			90-100	10.2	0.2
			100-110	21.6	0.5
			110-120	3.7	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

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Class II, Division 2, Groups F,G
Class III
Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X
IP66
Simultaneous Exposure
Suitable for Use in Wet Locations
Marine Outside Type (Salt Water) For USA ONLY ⌘

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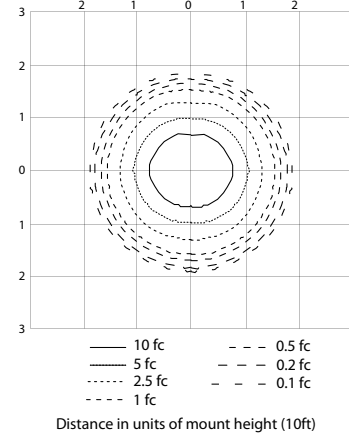
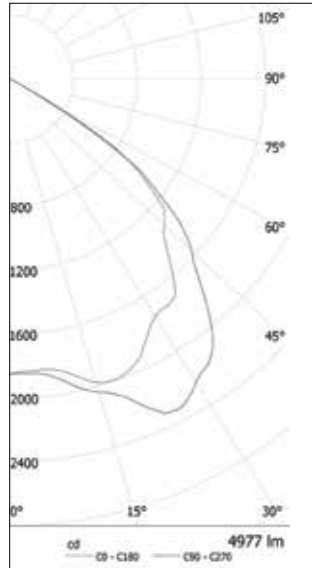
MLLED4G5BU 4K Lumen 5700K CCT with Glass Globe

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1748	35.1	0-10	178.5	3.6
0-40	2952	59.3	10-20	572.7	11.5
0-60	4906	98.6	20-30	997.0	20.0
60-90	71.5	1.4	30-40	1204	24.2
0-90	4977	100.0	40-50	1175	23.6
90-180	0.0	0.0	50-60	778.5	15.6
0-180	4977	100.0	60-70	57.6	1.2
			70-80	11.2	0.2
			80-90	2.6	0.1



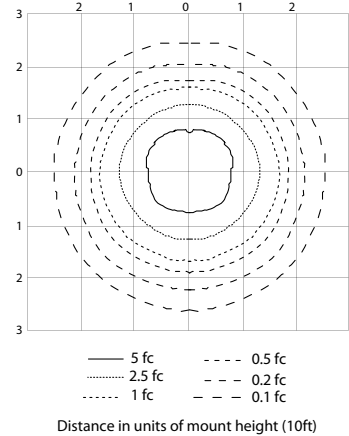
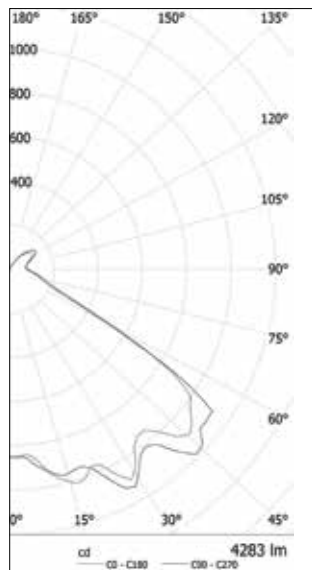
MLLED4J5BU 4K Lumen 5700K CCT with Glass Refractor

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	836.3	19.5	0-10	84.6	2.0
0-40	1501	35.0	10-20	274.6	6.4
0-60	3199	74.7	20-30	477.1	11.1
60-90	571.9	13.4	30-40	664.8	15.5
0-90	3771	88.0	40-50	871.2	20.3
90-180	512.5	12.0	50-60	826.7	19.3
0-180	4283	100.0	60-70	308.3	7.2
			70-80	156.7	3.7
			80-90	106.9	2.5
			90-100	84.6	2.0
			100-110	87.9	2.1
			110-120	105.6	2.5
			120-130	115.7	2.7
			130-140	82.9	1.9
			140-150	32.6	0.8
			150-160	3.2	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D
 Class I, Zone 2, Group IIC
 Class II, Division 1, Groups E,F,G
 Class II, Division 2, Groups F,G
 Class III
 Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X
 IP66
 Simultaneous Exposure
 Suitable for Use in Wet Locations
 Marine Outside Type (Salt Water) For USA ONLY ☞

Photometric Data — DATA SHOWN IS ABSOLUTE

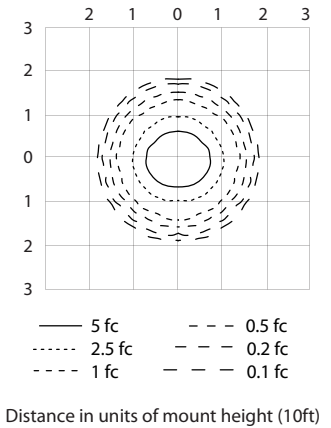
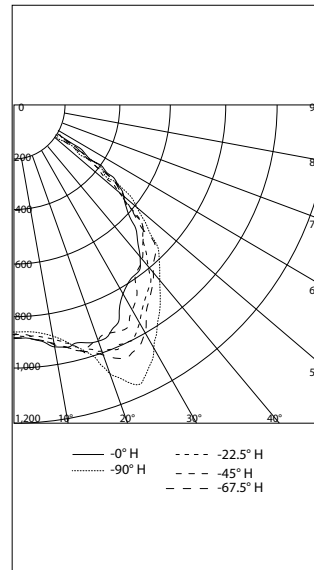
MLLED2P5BH 2K Lumen 5700K CCT with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	818.3	35.4	0-10	85.0	3.7
0-40	1366	59.2	10-20	271.7	11.8
0-60	2260	97.8	20-30	461.6	20.0
60-90	49.5	2.1	30-40	548.1	23.7
70-100	10.1	0.4	40-50	545.8	23.6
90-120	0.3	0.0	50-60	347.8	15.1
0-90	2310	100.0	60-70	39.5	1.7
90-180	0.3	0.0	70-80	7.4	0.3
0-180	2310	100.0	80-90	2.7	0.1
			90-100	0.1	0.0
			100-110	0.2	0.0



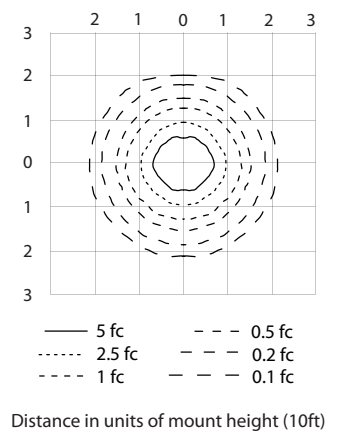
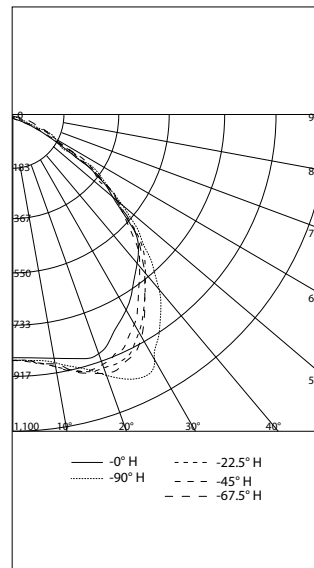
MLLED2D5BH 2K Lumen 5700K CCT with Diffused Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	766.8	34.4	0-10	83.9	3.8
0-40	1261	56.5	10-20	260.4	11.7
0-60	2024	90.7	20-30	422.5	18.9
60-90	190.0	8.5	30-40	494.0	22.1
70-100	68.5	3.1	40-50	461.5	20.7
90-120	16.7	0.7	50-60	301.5	13.5
0-90	2214	99.3	60-70	126.5	5.7
90-180	16.7	0.7	70-80	49.4	2.2
0-180	2230	100.0	80-90	14.0	0.6
			90-100	5.0	0.2
			100-110	10.1	0.5
			110-120	1.5	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D

Class I, Zone 2, Group IIC

Class II, Division 1, Groups E,F,G

Class II, Division 2, Groups F,G

Class III

Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X

IP66

Simultaneous Exposure

Suitable for Use in Wet Locations

Marine Outside Type (Salt Water) For USA ONLY ⌘

Photometric Data — DATA SHOWN IS ABSOLUTE

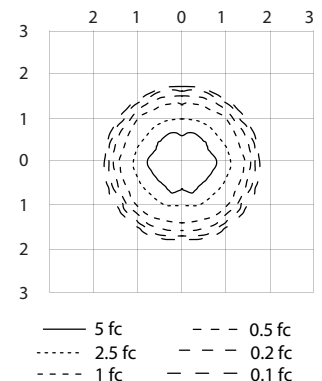
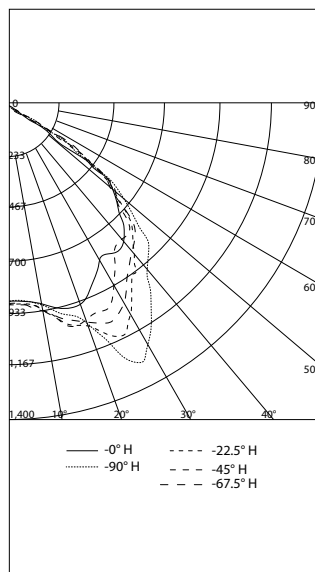
MLLED2G5BH 2K Lumen 5700K CCT with Glass Globe

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	863.5	35.5	0-10	87.7	3.6
0-40	1442	59.3	10-20	284.6	11.7
0-60	2398	98.7	20-30	491.2	20.2
60-90	31.8	1.3	30-40	578.1	23.8
70-100	7.4	0.3	40-50	585.1	24.1
90-120	0.0	0.0	50-60	371.2	15.3
0-90	2430	100.0	60-70	24.5	1.0
90-180	0.0	0.0	70-80	5.7	0.2
0-180	2430	100.0	80-90	1.7	0.1
			90-100	0.0	0.0



Distance in units of mount height (10ft)

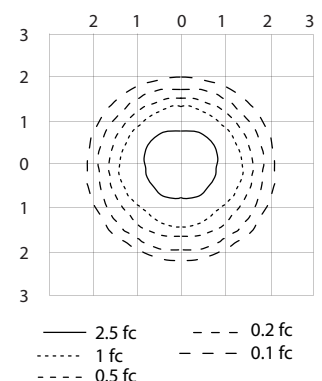
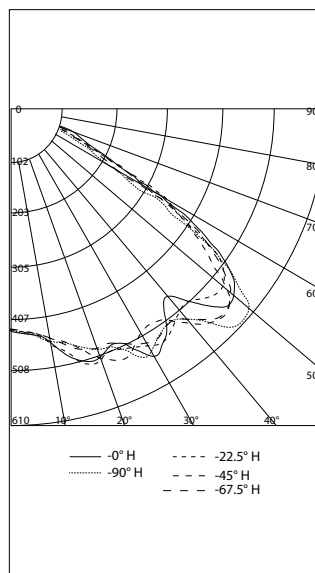
MLLED2J5BH 2K Lumen 5700K CCT with Glass Refractor

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	413.8	20.0	0-10	42.1	2.0
0-40	743.2	35.9	10-20	134.5	6.5
0-60	1552	75.0	20-30	237.1	11.5
60-90	268.2	13.0	30-40	329.4	15.9
70-100	167.5	8.1	40-50	426.7	20.6
90-120	136.1	6.6	50-60	381.7	18.4
0-90	1820	87.9	60-70	141.7	6.8
90-180	250.2	12.1	70-80	75.1	3.6
0-180	2070	100.0	80-90	51.4	2.5
			90-100	41.0	2.0
			100-110	42.7	2.1
			110-120	52.4	2.5
			120-130	57.3	2.8
			130-140	40.0	1.9
			140-150	15.3	0.7
			150-160	1.5	0.1
			160-170	0.0	0.0



Distance in units of mount height (10ft)

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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D
Class I, Zone 2, Group IIC
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups F,G
Class III
Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X
IP66
Simultaneous Exposure
Suitable for Use in Wet Locations
Marine Outside Type (Salt Water) For USA ONLY ⌘

Photometric Data — DATA SHOWN IS ABSOLUTE

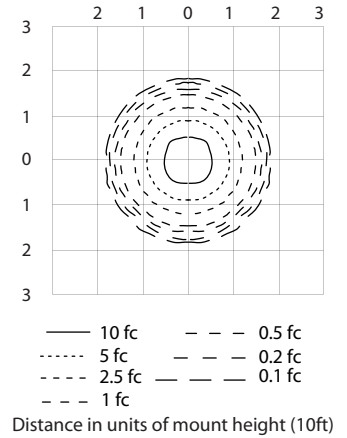
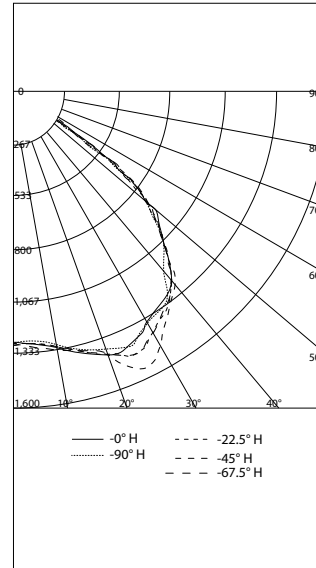
MLLED3P5BH 3K Lumen 5700K CCT with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1185	34.3	0-10	124.1	3.6
0-40	2030	58.7	10-20	386.9	11.2
0-60	3402	98.4	20-30	673.7	19.5
60-90	54.1	1.6	30-40	845.5	24.5
70-100	13.7	0.4	40-50	847.6	24.5
90-120	0.3	0.0	50-60	523.7	15.2
0-90	3456	100.0	60-70	40.4	1.2
90-180	0.3	0.0	70-80	10.3	0.3
0-180	3456	100.0	80-90	3.3	0.1
			90-100	0.1	0.0
			100-110	0.3	0.0
			110-120	0.0	0.0



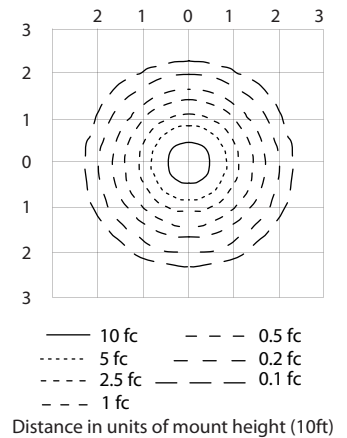
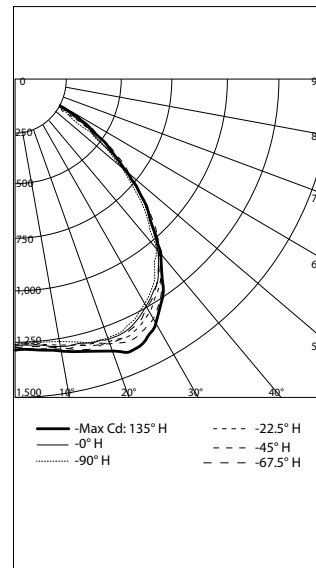
MLLED3D5BH 3K Lumen 5700K CCT with Diffused Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1111	33.4	0-10	122.5	3.7
0-40	1856	55.8	10-20	373.2	11.2
0-60	3010	90.5	20-30	614.8	18.5
60-90	290.5	8.7	30-40	745.5	22.4
70-100	106.5	3.2	40-50	700.4	21.0
90-120	27.0	0.8	50-60	453.9	13.6
0-90	3301	99.2	60-70	192.0	5.8
90-180	27.0	0.8	70-80	76.7	2.3
0-180	3328	100	80-90	21.9	0.7
			90-100	8.0	0.2
			100-110	16.2	0.5
			110-120	2.8	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D

Class I, Zone 2, Group IIC

Class II, Division 1, Groups E,F,G

Class II, Division 2, Groups F,G

Class III

Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X

IP66

Simultaneous Exposure

Suitable for Use in Wet Locations

Marine Outside Type (Salt Water) For USA ONLY ⌘

Photometric Data — DATA SHOWN IS ABSOLUTE

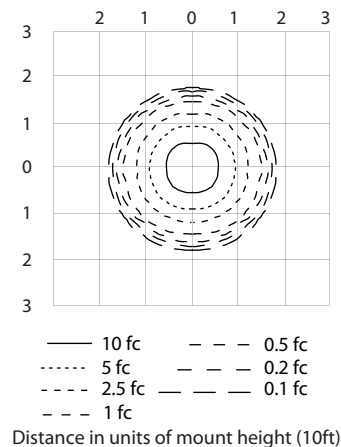
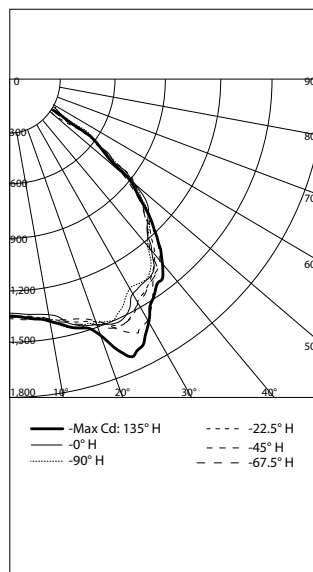
MLLED3G5BH 3K Lumen 5700K CCT with Glass Globe

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1246	34.4	0-10	129.7	3.6
0-40	2135	59.0	10-20	405.5	11.2
0-60	3572	98.7	20-30	710.4	19.6
60-90	45.3	1.3	30-40	889.6	24.6
70-100	10.7	0.3	40-50	891.7	24.6
90-120	0.0	0.0	50-60	545.3	15.1
0-90	3618	100.0	60-70	34.6	1.0
90-180	0.0	0.0	70-80	8.5	0.2
0-180	3618	100.0	80-90	2.2	0.1
			90-100	0.0	0.0



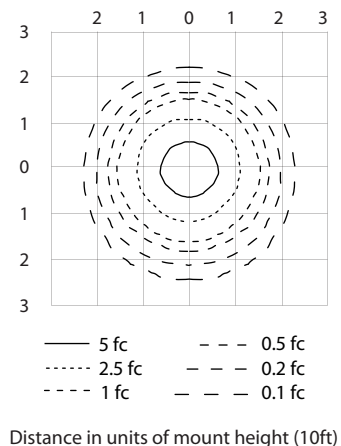
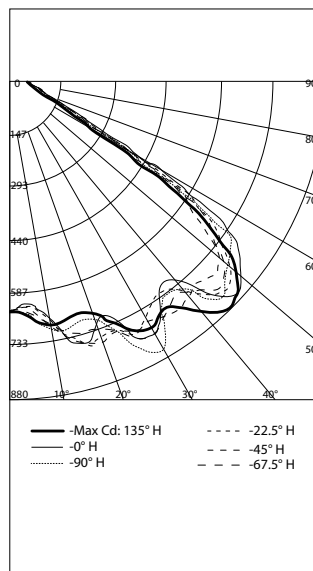
MLLED3J5BH 3K Lumen 5700K CCT with Glass Refractor

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	611.3	19.8	0-10	62.1	2.0
0-40	1095	35.5	10-20	199.1	6.5
0-60	2306	74.8	20-30	350.1	11.4
60-90	404.5	13.1	30-40	483.6	15.7
70-100	252.1	8.2	40-50	630.5	20.5
90-120	202.4	6.6	50-60	580.8	18.8
0-90	2711	87.9	60-70	213.9	6.9
90-180	371.5	12.1	70-80	113.5	3.7
0-180	3082	100.0	80-90	77.1	2.5
			90-100	61.5	2.0
			100-110	64.0	2.1
			110-120	77.0	2.5
			120-130	84.2	2.7
			130-140	59.7	1.9
			140-150	23.0	0.7
			150-160	2.2	0.1
			160-170	0.0	0.0



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D
Class I, Zone 2, Group IIC
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups F,G
Class III
Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X
IP66
Simultaneous Exposure
Suitable for Use in Wet Locations
Marine Outside Type (Salt Water) For USA ONLY ⌘

Photometric Data — DATA SHOWN IS ABSOLUTE

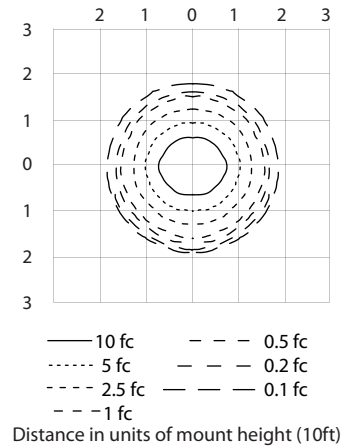
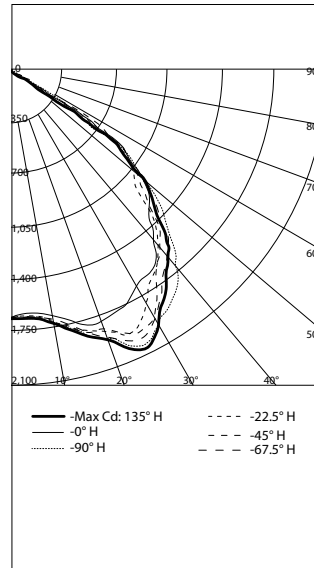
MLLED4P5BH 4K Lumen 5700K CCT with Clear Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1577	35.2	0-10	161.3	3.6
0-40	2660	59.4	10-20	517.2	11.5
0-60	4409	98.5	20-30	898.8	20.1
60-90	69.0	1.5	30-40	1082	24.2
70-100	16.6	0.4	40-50	1053	23.5
90-120	0.0	0.0	50-60	695.9	15.5
0-90	4478	100.0	60-70	52.4	1.2
90-180	0.0	0.0	70-80	12.9	0.3
0-180	4478	100.0	80-90	3.8	0.1



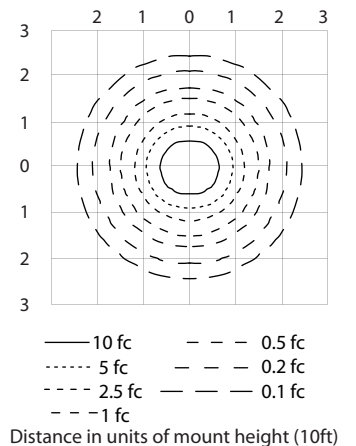
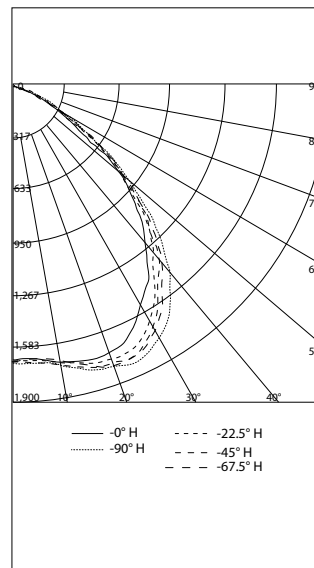
MLLED4D5BH 4K Lumen 5700K CCT with Diffused Polycarbonate Lens

Polar Candela Distribution

Isoillumination Plot

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1465	34.0	0-10	160.7	3.7
0-40	2418	56.1	10-20	495.4	11.5
0-60	3885	90.2	20-30	808.3	18.8
60-90	386.6	9.0	30-40	953.8	22.1
70-100	143.1	3.3	40-50	883.0	20.5
90-120	36.6	0.8	50-60	583.9	13.6
0-90	4272	99.2	60-70	254.5	5.9
90-180	36.6	0.8	70-80	102.5	2.4
0-180	4309	100.0	80-90	29.6	0.7
			90-100	11.0	0.3
			100-110	22.0	0.5
			110-120	3.6	0.1



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

Mercmaster™ LED Low Profile Luminaires

Enclosed and Gasketed Fixtures

NEC/CEC:

Class I, Division 2, Groups A,B,C,D
Class I, Zone 2, Group IIC
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups F,G
Class III
Zone 20, Group IIIC and Zone 21, Group IIIB

NEC/CEC:

Type 3R, 4, 4X
IP66
Simultaneous Exposure
Suitable for Use in Wet Locations
Marine Outside Type (Salt Water) For USA ONLY ⌘

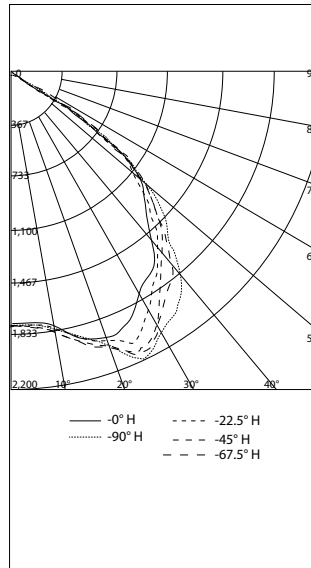
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MLLED4G5BH 4K Lumen 5700K CCT with Glass Globe

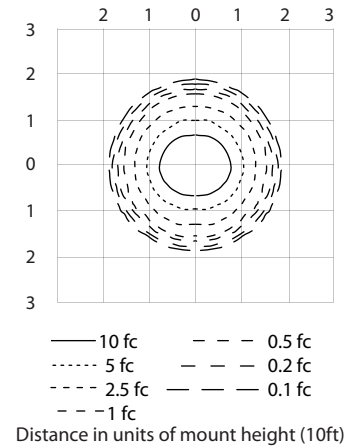
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	1658	35.3	0-10	169.1	3.6
0-40	2799	59.6	10-20	544.3	11.6
0-60	4634	98.6	20-30	944.5	20.1
60-90	64.7	1.4	30-40	1141	24.3
70-100	15.3	0.3	40-50	1111	23.6
90-120	0.2	0.0	50-60	724	15.4
0-90	4699	100.0	60-70	49.7	1.1
90-180	0.2	0.0	70-80	11.5	0.2
0-180	4699	100.0	80-90	3.5	0.1
			90-100	0.2	0.0

Polar Candela Distribution



Isoillumination Plot

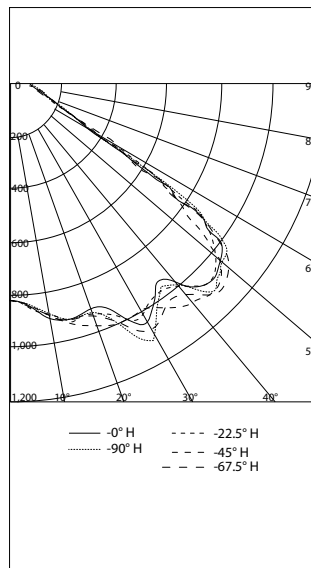


MLLED4J5BH 4K Lumen 5700K CCT with Glass Refractor

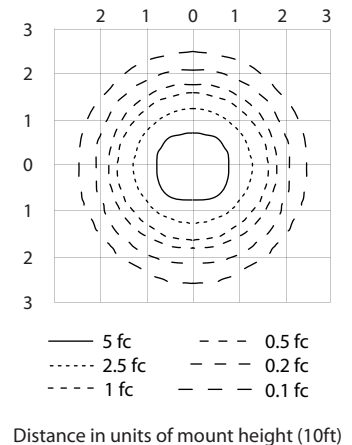
Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire	Zone	Lumens	% Luminaire
0-30	804.6	20.1	0-10	81.7	2.0
0-40	1440	35.9	10-20	262.3	6.5
0-60	3021	75.3	20-30	460.6	11.5
60-90	515.6	12.9	30-40	635.1	15.8
70-100	323.7	8.1	40-50	829.5	20.7
90-120	261.1	6.5	50-60	752.0	18.8
0-90	3637	88.2	60-70	271.1	6.8
90-180	473.4	11.8	70-80	145.6	3.6
0-180	4010	100.0	80-90	99.0	2.5
			90-100	79.2	2.0
			100-110	82.5	2.1
			110-120	99.4	2.5
			120-130	106.3	2.7
			130-140	74.5	1.9
			140-150	28.7	0.7
			150-160	2.7	0.1
			160-170	0.0	0.0

Polar Candela Distribution



Isoillumination Plot



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