

MODULAR MAX SERIES

LED Lighting for Hazardous Areas

Flood & High Bay

RED SKY

SERIOUSLY SAFE LIGHTS™



DATE

PART #

PROJECT

LOCATION

QTY

FEATURES

- Compact & lightweight design
- Offering 15,000-66,000 Lm - wide range selection
- Safe & reliable heat transfer - can be used in high/low ambient temperatures - -49°F to +149°F for 15,000 - 30,000 Lm and -49°F to +131°F for 37,000 - 66,000 Lm
- Easy Installation - easy wiring with more room for wiring
- Warranty - standard: 7-years; extended 10-years

CERTIFICATIONS

- UL844
- UL1598
- UL1598A
- CSA C22.2 No. 250.0
- CSA C22.2 No. 137
- DLC Premium*
- FCC 47 CFR Part 15 Subpart B

* Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualification.

RATINGS

- Class I Division 2, Groups A, B, C, D
- Class II Division 1 Group E, F, G
- Class II Division 2, Groups F, G
- Class III
- Simultaneous Presence
- Class I, Zone 2, Group IIC
- Zone 20, 21 & 22
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type
- (Salt Water)
- IP66/67, NEMA 4X
- IK08(Glass)
- IK10 (Glass, Special ordering)
- 3G Vibration (ANSI C136.31)
- Salt Spray 720H (ASTM B117)

TECHNICAL PARAMETERS

Specification	MDX-15L	MDX-20-L	MDX-30L	MDX-40L	MDX-50L	MDX-60L	MDX-70L
Electrical Parameters							
Power	90W	120W	190W	260W	310W	380W	440W
Rated Input Current (120V AC)	0.833A	1.111A	1.759A	2.407A	2.870A	3.519A	4.074A
Rated Input Current (277V AC)	0.361A	0.481A	0.762A	1.043A	1.244A	1.524A	1.765A
Rated Input Current (347V AC)	0.288A	0.384A	0.607A	0.833A	0.933A	1.217A	1.409A
Rated Input Current (480V AC)	0.208A	0.278A	0.440A	0.602A	0.718A	0.880A	1.019A
Voltage/Frequency	100-277V AC, 347-480V AC 50/60Hz						
Power Factor	>0.90						
THD	<20%						
L70	230,000 hrs@149°F			230,000 hrs@131°F			
Dimming	0-10V, Range 10% - 100%						
Surge Protection	10KV						
Supply Wire	12-18AWG, Rated 90°C min			12-17AWG, Rated 90°C min			
Warranty	Standard: 7 Years, Extended: 10 years						
Optical Parameters							
Lumen Output*	15,074Lm	19,854Lm	29,148Lm	37,730Lm	47,974Lm	59,028Lm	66,313Lm
Lumen Efficacy*	166Lm/W						
Available Beam Angle	30° / 60° / 90° / 120° / T2 / T3 / T5						
CCT	2700K / 4000K / 5000K						
Color Rendering Index (CRI)	80 CRI						
Mechanical Parameters							
Housing Material	Copper-free (< 0.4%) die-cast aluminum						
Hardware	Stainless steel 316						
Lens Material	Tempered Glass						
Mounting Options	Pendant, Straight Yoke, Angled Yoke, Chain, Stanchion, Hook						
Product Weight	21.8lbs / 9.9kg			36.3lbs / 16.5kg			
Cable Entry	(5) 3/4" NPT**						
Product Dimensions(LxWxH)	14.1×9.8×7.4 in (357×250×189 mm)			9.9×14.1×7.4 in (505×357×189 mm)			
Environmental Parameters							
Corrosion Resistance	Salt Spray 720H (ASTM B117)						
T-Code Rating	3G (ANSI C136.31)***						
Ambient Operating Temperature	-49°F ~ +149°F (-45°C ~ 65°C)			-49°F ~ +131°F (-45°C ~ 55°C)			
T-Code Rating	CID2 – T3C, C2D1 – T4						
EPA wind rating (FT2)	1.753 (Yoke), 1.888 (Stanchion)			2.864 (Yoke), 2.999 (Stanchion)			

* Value calculated based on 5000K,80 CRI and Clear glass ,varies to different spec.

** Shipped with four blind plugs; Top entry open for pendant-mount models; Rear entry open for yoke-mount models.

*** Yoke Mount Only

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ORDERING INFORMATION

MDX	20L	100-277	5K	120	H2	CG	GRY	AYK	
PRODUCT SERIES	LUMEN LEVEL	VOLTAGE	CCT	BEAM	RATING	LENS	COLOR	MOUNTING	CRI
MDX	15L - 15,000Lm (Single Module) 20L - 20,000Lm (Single Module) 30L - 30,000Lm (Single Module) 40L - 40,000Lm (Single Module) 50L - 50,000Lm (Dual Module) 60L - 60,000Lm (Dual Module) 70L - 70,000Lm (Dual Module)	100 - 277 - 120-277V AC 347 - 480 - 347-480V AC	27K - 2700K** 4K - 4000K 5K - 5000K	30 - 30° (NEMA 3 - Medium Narrow) 60 - 60° (NEMA 4 - Medium) 90 - 90° (NEMA 5 - Medium Wide) 120 - 120° (NEMA 6 - Wide) T2 - Type II T3 - Type III T5 - Type V (NEMA 7 - Very Wide)	H2 - C1D2 / C2D1 / C3	CG - Clear Glass	GRY - Grey	PND - Pendant SYK - Straight Yoke* AYK - Angled Yoke*	BLANK - 80 CRI Standard CRI90 - 90 CRI**

* YOKE Pre-installed, no need to order YOKE separately.

** 2700K CCT and CRI 90 option – expect longer lead time.

MOUNTING OPTIONS



PENDANT



STRAIGHT YOKE



ANGLED YOKE



CHAIN



STANCHION

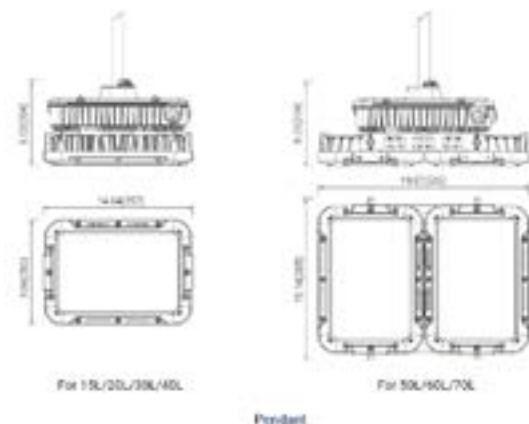


HOOK

MOUNTING ACCESSORIES

MOUNTING METHOD	PART #	DESCRIPTION	MPN CODE
STRAIGHT YOKE	MDX-S YOKE S	Straight Yoke, 0-90 Degrees Adjustable, SUS304, Powder-Coated Grey RAL 7037, only available with 15L/20L/30L/40L	210010043
	MDX-S YOKE D	Straight Yoke, 0-90 Degrees Adjustable, SUS304, Powder-Coated Grey RAL 7037, only available with 50L/60L/70L	210010045
ANGLED YOKE	MDX-A YOKE S	45-Degree Angled Yoke, 0-90 Degrees Adjustable, SUS304, Powder-Coated Grey RAL 7037, only available with MDX 15L/20L/	210010044
	MDX-A YOKE D	45-Degree Angled Yoke, 0-90 Degrees Adjustable, SUS304, Powder-Coated Grey RAL 7037, only available with 50L/60L/70L	210010046
CHAIN	CHAIN02	Chain Hang Kit, 4pcs×3ft, SUS304	210010100
STANCHION	STAN01*	Slip-Fit Stanchion Mount Kit for 2 inch (2-3/8 inch OD, 60mm OD) Poles, Non-Threaded, SUS304, Powder-Coated Grey RAL 7037	210010031
	STAN02**	Slip-Fit Stanchion Mount Kit for 2 inch (2 3/8 inch OD) Poles, Non-threaded, SUS304, Powder-Coated Grey RAL 7037	210010047
HOOK	HOOK2	M10 Hook with 3/4 inch NPT Threads, SUS316	210010097

DIMENSIONS



CRANE DAMPER BRACKET



The Damper bracket is specifically engineered to support MDX series floodlights, effectively minimizing vibrations when installed on moving cranes. This bracket ensures that your luminaire remains directed downward, regardless of its position along the crane boom.

PART #	DESCRIPTION	MPN CODE
DPY02	Crane Damper Bracket, SUS304, Fixed with M12 Bolts - (only available with MDX 15L/20L/30L/40L)	210010048

RESOURCES



SCAN FOR LATEST
PRODUCT INFORMATION

[LINK TO FULL SPECIFICATION](#)