

LINEAR SERIES

LED Lighting for Hazardous Areas
Area & Low Bay

RED SKY
SERIOUSLY SAFE LIGHTS™



DATE	DATE	
PART #	PART #	
PROJE	PROJECT	
LOCATI	LOCATION	
QTY	QTY	

FEATURES

- Rugged Construction - Built to withstand extreme temperatures, vibration, water and dust.
- Copper-free aluminum body and frame for enhanced corrosion-resistance.
- Easy and Through Wiring - Built-in wiring compartment with three NPT 3/4" entries and WAGO 221 lever connectors for easy wiring.
- Long Fixture Life - L70 >147,000 Hours@149°F. Maintenance-free and safe operation.

CERTIFICATIONS

- UL844
- UL1598
- UL1598A
- CSA C22.2 NO. 250.0
- CSA C22.2 No. 137
- DLC Standard*
- FCC 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
- Class I, Zone 2, Group IIC
- Zone 21, Group IIIC
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type (Salt Water)
- IP66
- IK08
- Salt Spray 720 hrs (ASTM B117)
- NEMA 4X

TECHNICAL PARAMETERS

Specification	LNR2-30	LNR2-40	LNR2-60	LNR2-80
Electrical Parameters				
Power	30W	40W	60W	80W
Rated Input Current (120V AC)	0.277A	0.370A	0.555A	0.740A
Rated Input Current (277V AC)	0.120A	0.160A	0.240A	0.320A
Rated Input Current (347V AC)	/	0.128A	0.192A	0.256A
Rated Input Current (480V AC)	/	0.092A	0.138A	0.185A
Voltage/Frequency	100-277V AC, 347-480V AC 50/60Hz			
Power Factor	≥0.90			
THD	<20%			
L70	147,000 hrs@149°F			
Dimming	0-10V, Range 10-100%			
Surge Protection	10KV			
Supply Wire	12-18AWG, Rated 90°C			
Warranty	LEDs: 10 years, Driver: 7 years			
Optical Parameters				
Lumen Output*	4,142Lm	5,403Lm	8,802Lm	11,536Lm
Lumen Efficacy*	150Lm/W			
CCT	3000K/4000K/5000K			
Color Rendering Index (CRI)	80 CRI			
Mechanical Parameters				
Housing Material	Copper-free (< 0.4%) aluminum			
Hardware	Stainless steel 316			
Lens Material	Polycarbonate			
Mounting Options	Pendant, Yoke, Chain, Pole, Stanchion			
Product Weight	11.0lbs/5.0kg		14.68lbs/6.66kg	
Cable Entry	(3) 3/4" NPT			
Product Dimensions(LxWxH)	23.6×5.0×6.6in(600×127×168mm)		47.2×5.0×6.6in(1200×127×168mm)	
Environmental Parameters				
Ambient Operating Temperature	C1D2@-40°F ~ 149°F (-40°C ~ 65°C), C2D1@-40°F ~ 122°F (-40°C ~ 50°C)			
T-Code Rating	T4A			
EPA wind rating (FT2)	1.463(Yoke), 1.448(Stanchion)		1.972(Yoke), 1.957(Stanchion)	

* LNR2-40-347-480V No dimming
** Value calculated based on 5000K,80 CRI and Clear PC ,varies to different spec.
70 CRI & 90 CRI optional, DLC available with 80 CRI only.

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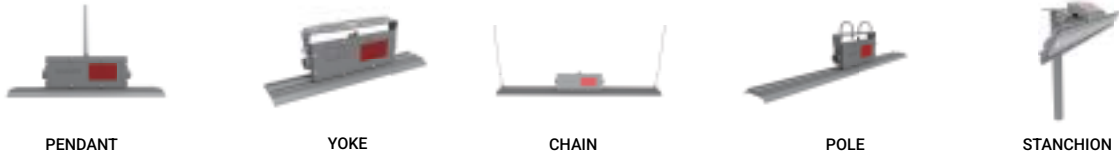
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ORDERING INFORMATION

LNR2	40	100-277	5K	H2	CG	GRY	PND	
PRODUCT SERIES	WATTAGE	VOLTAGE	CCT	RATING	LENS	COLOR	MOUNTING	CRI
LNR2	30 - 30W* (2ft) 40 - 40W (2ft) 60 - 60W (4ft) 80 - 80W (4ft)	100 - 277 - 100-277V AC 347 - 480 - 347-480V AC	3K - 3000K 4K - 4000K 5K - 5000K	H2 - C1D2 / C2D1 / C3	CG - Clear Glass DP - Diffused Poly-carbonate	GRY - Grey	PND - Pendant YKE - Yoke***	BLANK - 80 CRI Standard** CRI70 - 70 CRI CRI90 - 90 CRI**

* unavailable in 347-480V AC
** CRI 90 option – expect longer lead time.
** DLC available with 80 CRI only. Not all product variations listed on this page are DLC qualified.
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*** LNR-YOKE Pre-installed

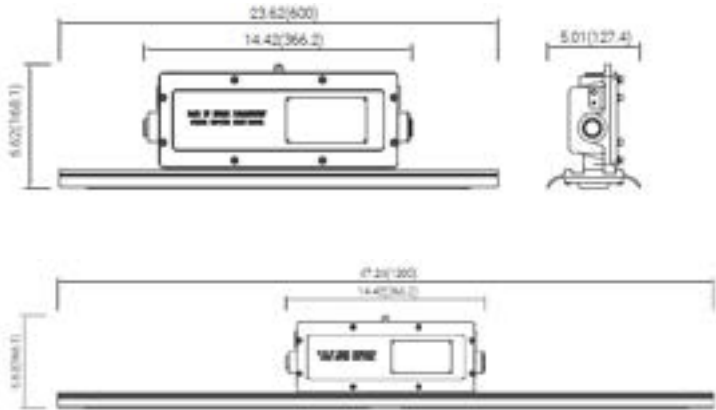
MOUNTING OPTIONS



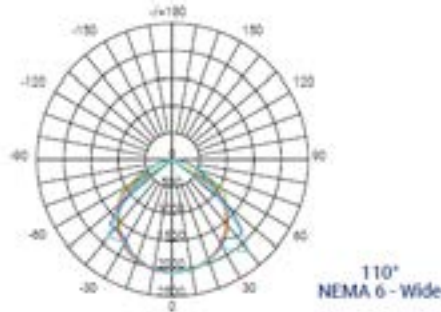
MOUNTING ACCESSORIES

MOUNTING METHOD	PART #	DESCRIPTION	MPN CODE
YOKE	LNR-YOKE	Yoke Mount, SUS304, Powder-Coated Grey RAL 7037	210010009
	LNR-YOKE P*	Yoke Plus Mount, SUS304, Powder-Coated Grey RAL 7037 (Check Compatibility)	210010041
CHAIN	CHAIN01	Chain Hang Kit, SUS304	210100110
PIPE CLAMP	CLAMP01	Pipe Clamp Kit for Round Pole 1-7/8 inch OD (48 mm), SUS304	210010011
	CLAMP02	Pipe Clamp Kit for Round Pole 2-3/8 inch OD (60 mm), SUS304	210010010
STANCHION	STAN01	Slip-Fit Stanchion Mount Kit for Φ2 inch (2-3/8 inch OD, 60mm OD) Poles, Non-Threaded, SUS304, Powder-Coated Grey RAL 7037 - Requires a Yoke Mount	210010031

DIMENSIONS



PHOTOMETRICS



RESOURCES



SCAN FOR LATEST
PRODUCT INFORMATION

[LINK TO FULL SPECIFICATION](#)