

ROUND MAX EMERGENCY SERIES

LED Lighting for Hazardous Areas
Area & Flood

RED SKY
SERIOUSLY SAFE LIGHTS™



DATE	
PART #	
PROJECT	
LOCATION	
QTY	

FEATURES

- Built for the Toughest Conditions - NEMA 4X, IP66 / 67, IK10, and 3G vibration rated, the RDX EM withstands explosive gases, dust, and extreme environments with unwavering reliability.
- Reliable Emergency Protection - UL 924-certified for emergency lighting, the RDX EM features a LiFePO4 battery system delivering 3,000 lm for 90 minutes or 1,500 lm for 180 minutes, keeping workers safe when the power goes out.
- Adaptable to Every Application - With five beam options and eight mounting configurations, the RDX EM provides versatile lighting for oil & gas, chemical, and industrial facilities.

CERTIFICATIONS

- UL 844
- UL924
- UL1598
- UL1598A
- CSA C22.2 No. 137
- CSA C22.2 No. 141
- CSA C22.2 No. 250.0
- FCC Part 15, Subpart B

RATINGS

- Class I Division 2, Group A, B, C, D
- Class II Division 1 Group E, F, G
- Class II Division 2, Group 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)
- NEMA 4X, IP66 / 67
- IK08(Glass) / IK10(PC)
- Salt Spray 720 hrs (ASTM B117)
- 3G Vibration (ANSI C136.31)

TECHNICAL PARAMETERS

Specification	RDX-5L-EM	RDX-7L-EM	RDX-9L-EM	RDX-12L-EM	RDX-18L-EM	RDX-22L-EM	RDX-28L-EM
Electrical Parameters							
Power	40W	50W	65W	85W	130W	160W	200W
Rated Input Current (120V AC)	0.370	0.463	0.602	0.787	1.204	1.481	1.852
Rated Input Current (277V AC)	0.160	0.201	0.261	0.341	0.521	0.642	0.802
Voltage/Frequency	100-277VAC 50/60Hz						
Power Factor	≥0.90						
THD	<20%						
L70	>102,000 hrs@60°C						
Dimming	0-10V, Range 10%-100%						
Surge Protection	10KV						
Supply Wire	18-12 AWG						
Charge Time	24 hours						
Emergency Run Time*	3,000Lm@90mins / 1,500Lm@180mins						
Battery	LiFeP04 Rechargeable battery						
Warranty	Fixture: 5 years, Battery: 3 years						
Optical Parameters							
Lumen Output*	6,039Lm	7,580Lm	9,873Lm	12,957Lm	19,714Lm	23,551Lm	28,654Lm
Lumen Efficacy*	150Lm/W						
Available Beam Angle	30°/ 60°/T1/T3/T5						
CCT	3000K/4000K/5000K						
Color Rendering Index (CRI)	80 CRI						
Mechanical Parameters							
Housing Material	Marine Grade Aluminium						
Hardware	Stainless Steel 316						
Lens Material	Tempered Glass or Polycarbonate						
Mounting Options	Pendant , Ceiling, Yoke, Wall, Stanchion slip fitter, Stanchion, Pole, Junction Box						
Product Weight	28lbs / 12.7kg						
Cable Entry	(5) NPT 3/4"						
Product Dimensions(LxWxH)	Flat lens - 13x10.7 in (330x271.5 mm) / Drop lens - 13x12.9 in (330x327.3 mm)						
Environmental Parameters							
Corrosion Resistance	Salt Spray 720 hrs (ASTM B117)						
Vibration Resistance	3G (ANSI C136.31) **						
Ambient Operating Temperature	32°F ~+140°F (0°C ~ +60°C)						32°F ~ +131°F (0 ~ +55°C)
T-Code Rating	CID2-T5, CIID1&CIID-T5			CID2-T4A CIID1&CIID-T5	CID2-T4, CIID1&CIID-T4A		CID2-T3C CIID1&CIID-T4
EPA wind rating (FT2)	1.14 (Ceiling)/1.47 (Yoke)/1.49 (Stanchion Slip Fitter)/1.22 (Stanchion)/ 1.61 (Junction Box)						

* Value calculated based on 5000K and CRI80 and Clear glass ,varies to different spec.

** Yoke Mount

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