

Rectangle Mini H1 Series

LED Explosion Proof Lighting

Rectangle Mini Series LED explosion-proof lighting is specifically engineered for installation in environments where flammable gases, vapors, or dust are present in quantities that pose a risk of explosion or fire. Built to endure shock and vibration, it delivers reliable performance even in the most hazardous conditions.

Compliance

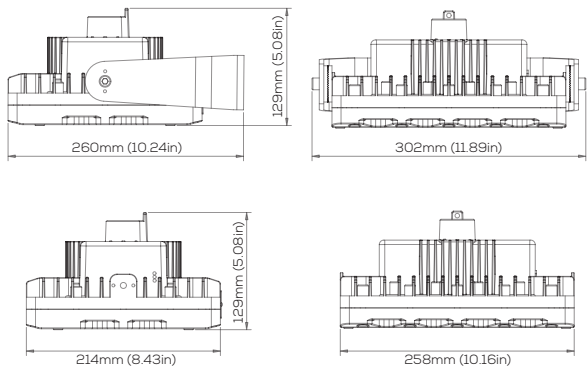
NEC/CEC Standard

- UL 844 Hazardous Locations
 - Class I Division 1, Groups B, C, D
 - Class I Division 2, Groups A, B, C, D
 - Class II Division 1, Groups E, F, G
 - Class II Division 2, Groups F, G
 - Class III
 - Class I, Zone 1, Group IIB+H2
 - Class I, Zone 2, Group IIC

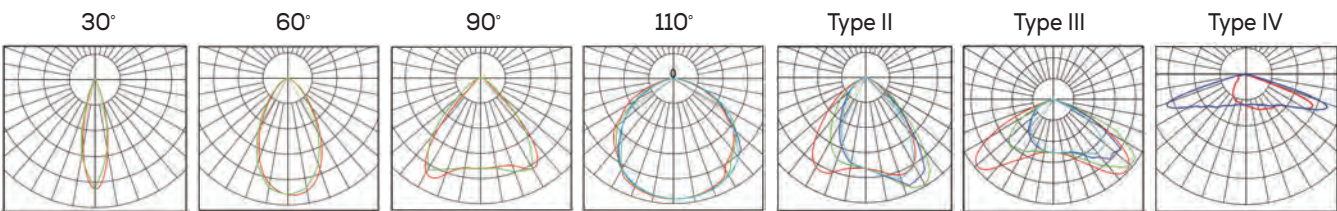
- CSA C22.2 No.137
- CSA C22.2 No.250.0:21
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type (Salt Water)
- UL 8750 LED Safety
- FCC
- IP66/67 | IK09 | 5G | NEMA 4X

Dimensions

unit: mm(in)



Beam Distribution



Technical Data

Electrical	
Rated Power	20W / 40W / 60W
Input Voltage	100-277, 347-480V/AC
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	~ 90%
DC output Ripple & Noise	< 200mVP-P

Optical	
Lumen Output	3200lm ~ 9600lm
Luminous Efficiency (Lumens per Watt)	160 lm/W
Beam Angle	30° / 60° / 90° / 110° / T2 / T3 / T4
Correlated Color Temperature (CCT)	3000K 4000K 5000K
CRI	Ra>70

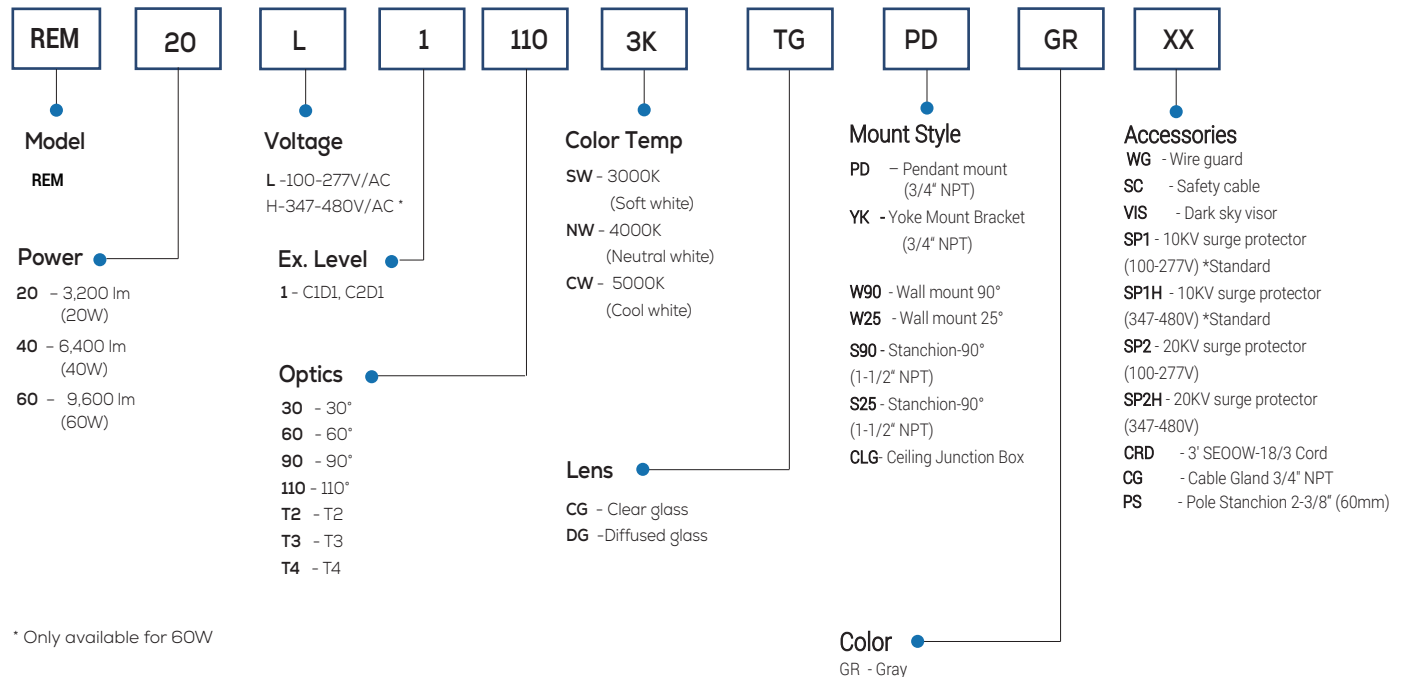
Environmental	
Ambient Operating Temperature	-40°C~+65°C
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

Technical	
Lens Material	Tempered glass
Mounting Options	Pendant / Ceiling / Wall mount / Stanchion
Cabling	1m leads standard (L/N/G, Dim+, Dim-) Special request for various length
Cable Entries	3/4" NPT, 1-1/2" NPT
Net Weight	5.2kg (11.5 lbs)

Warranty

10 year limited system warranty
Lumen Maintenance: L70 > 150,000 hours @ 25°C

Ordering Information and Mounting Accessories



Mounting Options



PD
Pendant Mount
3/4" NPT



YK
Yoke Mount Bracket



W90
Wall mount 90°
3/4" NPT



W25
Wall mount 25°
3/4" NPT



S90
Stanchion mount 90°
1-1/2" NPT



S25
Stanchion mount 25°
1-1/2" NPT

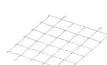


CLG
Junction Box
3/4" NPT

Accessories



YK
Yoke Mount Bracket
3/4" NPT



WG
Stainless steel
wire guard



SC
Stainless steel
safety cable
Ø8 (4mm)



VIS
Stainless steel
dark sky visor



10KV Surge Protector
*Standard
SP1
10KV (100-277V)
SP1H
10KV (347-480V)



20KV Surge Protector
SP2
20KV (100-277V)
SP2H
20KV (347-480V)



CRD
3' SE00W-18/3 Cord
(Factory installed)
Applicable to C1D2



CRD
Cable Gland
3/4" NPT
Suitable for C1D2



PS
Pole Stanchion
2-3/8" (60mm)