Product Catalogue

Explosion Protected LED Luminaires for Use in Hazardous Locations

SUREALL TECHNOLOGY LIMITED

SEG Series LED Emergency Luminaires

Class I, Div.1, Group A,B,C,D	Hazardous Locations
Class II, Div.1, Group E,F,G	UL/cUL Listed
Class III	Wet Locations, Type 4X,IP66
Class I, Zone 1, Zone 2,Ex d	IECEx/ATEX

Applications

- In area requiring lasting and reliable illumination during failure or interruption of power to the normal lighting system
- Oil and gas plants, oil terminals, refineries, petrochemical and chemical plants, waste and sewage treatment facilities, food processing facilities, breweries and other industrial manufacturing facilities
- In area where corrosion, vibration ,moisture, dirt and fibers
- Classified and hazardous locations where flammable gases or vapors may present due to abnormal, unusual or accidental conditions

Features

- Metallic, enclosed, gasketed housing to endure harshest and corrosion environment
- Two assembled LED lamp heads, adjustable to focus light where you need it, resistant to corrosion, impact and water
- Lightweight, compact size and mounting feet ease installation and allow placement in confined area
- Two NPT3/4 drilled hubs and blind plugs to right and left feed
- Rugged, long life, maintenance−free, nickel cadmium battery or Ni−MH battery, last for emergency operation time at 6W LED for 90 minutes
- Factory−installed self−test, monitoring and diagnostics device to reduce the costly maintenance checks
- Solid battery charger, long−life and reliable, to prevent deep discharge by disconnecting luminaires from battery automatically
- Wall mounting and pendant mounting for option

Ex−mark	Ex d ib IIC T6 Gb
Rated Voltage	AC 220V 50/60Hz, DC 12/24/36V
Rated Wattage(W)	2x3W LED
Emergency Duration	90min
Battery Specification	Nickel Cadmium battery or Ni−MH battery
Luminous Flux(Lm)	600Lm
IP Grade	IP66
Ambient Temperature	−20° C~ +40° C / −4° F~+104° F
Cable Entry	NPT1/2" or NPT3/4" or M25 × 1.5
Terminals	Terminal blocks≤2.5mm², cable diameter 10−14mm
Installation	Wall / Pendant
Weight	3.2Kg

Certifications and Compliances

IEC Standard
IEC60079−0, IEC60079−1, IEC60079−11
Ex d ib IIC T6 Gb
Zone 1, Zone 2; Zone 21, Zone 22
IP66

EU Standard
EN60079−0, EN60079−1, EN60079−11
⟨Ex⟩ II 2 G Ex d ib IIC T6 Gb
Zone 1, Zone 2; Zone 21, Zone 22
IP66

NEC & CEC Standard
Class I, Div 2, Group A B C D
Class II, Div 1 & 2, Group E F G
Class III
Wet Locations, Type 4X, IP66
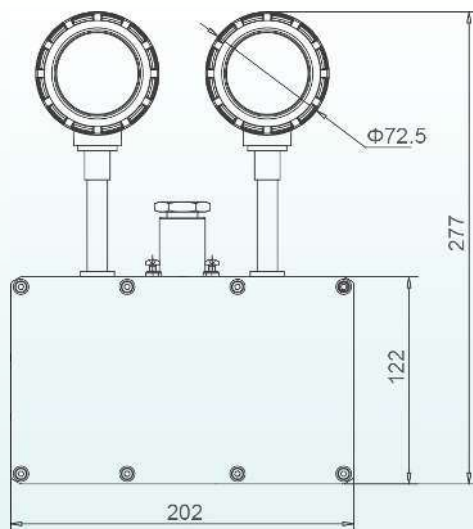
UL Standard
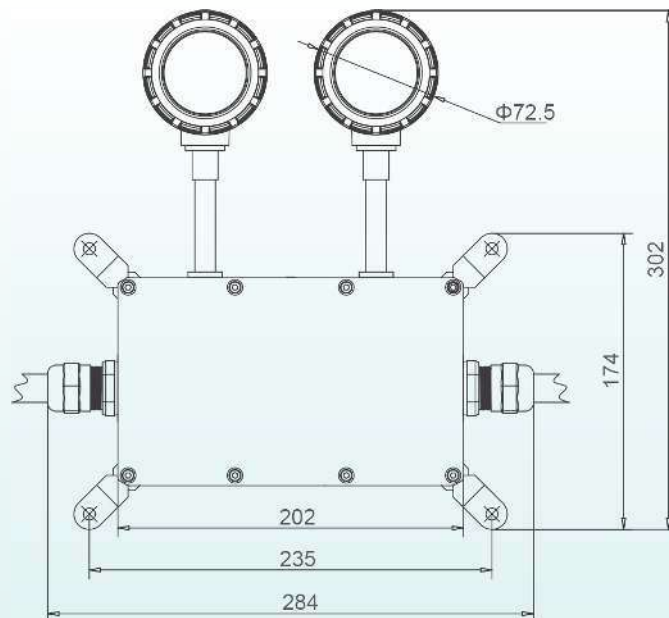UL844, UL1598, UL1598A

CSA Standard
CSA C22.2 No.137

Standard Materials

- Body: Copper−free content aluminum alloy
- Len: Shock and temperature resistant borosilicate glass
- Gaskets: Acid/hydrocarbon resistant silicone gasket for temperatures of −50° C
- Bolts and screws: Stainless steel
- Coating: Epoxy coating (grey)
- Corrosion resistance: The STANDARD of the aluminum alloy used by SUREALL has passed the tests required by standards EN60068−2−30 (hot/humid cycles) and EN60068−2−11 (salt mist tests)

Mounting Options & Dimensions (mm)

Pendant Type

Wall Type