



**Installation:** hazardous areas - Zone 1 / 2 (Gases)  
Zone 21 / 22 (Dusts)

**Classification:** Group II - Category 2G 2D



**REFERENCE STANDARDS**

Directive 2014/34/EU	
EXECUTION	⊗ II 2 G Ex d IIB + H2 T6...T4 Gb or ⊗ II 2 G Ex de IIB + H2 T6...T4 Gb ⊗ II 2 D Ex tb IIIC T85°C...T135°C Db
RULES OF COMPLIANCE	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31
EC Type-Examination Certificate	INERIS 01 ATEX 0018
PROTECTION DEGREE	IP66
AMBIENT TEMPERATURE	-20°C ÷ +60°C
OTHER AVAILABLE CERTIFICATES	IECEX: IECEX INE 15.0003X INMETRO: CEPEL 15.2363X EAC: TC RU C-IT.BH02.B.00602 (-60°C ÷ +60°C) RINA: ELE18111CS_014 RUSSIAN MARINE CERTIFICATE (RMRS): 19.02519.280

**Mechanical characteristics**

Body	marine grade copper free aluminium
Diffuser	tempered front glass
Support	adjustable type hot dip galvanized steel
Painting	external epoxy powders grey RAL-9006 COLOUR
Screws	external stainless steel
Gaskets	silicon rubber
Cable entry	3/4"NPT (Ex d version) / ISO-M25 (Ex de version)

**Electrical characteristics**

Power supply	100 - 277Vac electronic driver 50/60 Hz 141 - 273Vdc electronic driver with NTC thermal sensor on PCB
Input surge protection	DM 6KV, CM 10KV
Lamp type	LUXEON 5050 / LUMILEDS CRI 70, CCT 5700K. Lifetime: 60.000 hours L80 B20 @ta60
Inrush current	SFDL/SFDEL 40 : 81,5A -220Vac for 0.848ms SFDL/SFDEL 48 : 73,5A -220Vac for 1.340ms SFDL/SFDEL 56 : 73,5A -220Vac for 1.340ms
Internal wiring	high-temperature resistant silicon rubber insulation cables
Terminals	suitable up to 2.5sq/mm cables
Optic	with symmetrical lens vertex at 65deg



**On Request Accessories:**

- External painting colour on request
- Threaded cable entry different than standard

