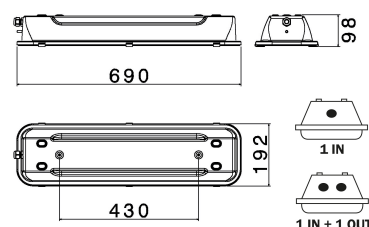
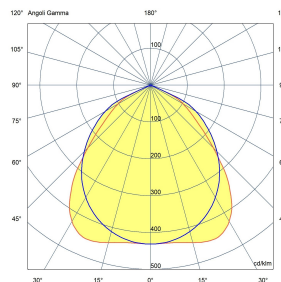




**SERIES RINO LED-EX  
FIXTURE**  
**CODE 821190EX**



Model Code : RINOLED-EX RL-Z2-EXE1-69-TGL-304-0045-048-00-80-40-500-WBC-PL20-1011-000



### Datasheet

#### Lighting characteristics

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| Output flux                   | 3,562 lm                                                                          |
| Luminous flux (TJ=25°C)       | 4,100 lm                                                                          |
| Luminaire power               | 26 W                                                                              |
| Output efficiency             | 137 lm/W                                                                          |
| Color temperature             | 4000K                                                                             |
| Optics type                   | Anti aging and UV resistant PMMA Lenses with efficiency>90% and transparency >95% |
| Optics                        | Symmetrical wide comfort 88°                                                      |
| CRI                           | >80                                                                               |
| Color shift                   | 3 MacAdam Step                                                                    |
| Photobiological risk EN 62471 | RG0 - Exempt Group                                                                |
| UGR index                     | <22                                                                               |
| Flicker free                  | < 1%                                                                              |
| Life time                     | L80/B10 @50.000h Tq=25°C                                                          |
| Emergency function            | Internal battery duration 1h recharge 24h                                         |
| Emergency flux                | 589 lm                                                                            |

#### Electrical characteristics

|                         |                                       |
|-------------------------|---------------------------------------|
| Insulation Class        | I                                     |
| Supply Voltage          | 220V-240V 50/60Hz                     |
| Control system/dimming  | Standard on-off                       |
| Surge protection        | 8kV common mode 6kV differential mode |
| Power factor            | >0,95                                 |
| Hole type               | Terminal block with cable gland M20   |
| Conductors section (Cu) | Min: 1 ;Max: 2.5 mm <sup>2</sup>      |
| Tightening diameter     | Min 10 mm; Max 14 mm                  |

Equipment Included 2 ATEX M20 caps, Cable gland ATEX M20, pair of stainless steel AISI 304 hooks (code 820011) power supply connector

#### Mechanical characteristics

|                                |                                     |
|--------------------------------|-------------------------------------|
| Manufacturing material         | Stainless steel AISI 304            |
| Treatment type                 | Natural finishing                   |
| Surface finishing              | -                                   |
| Colour                         | -                                   |
| Diffuser type                  | Extraclear tempered glass 5 mm      |
| IP Protection degree           | IP65                                |
| Additional IPdegree protection | IP66 (ONLY FOR IEC 60598-1)         |
| Shock resistance               | 7J Body / 4J Glass (IEC 60079-0)    |
| Corrosivity category           | Equivalent to C5-H (ISO 12944)      |
| Mounting system                | Pair of steel hooks                 |
| Net Weight                     | 5.25 KG                             |
| Working Environment Temp.      | Tmin: 0°C ; Tmax1: +45°C ; Tmax2: - |
| Warehousing Temperature        | Tmin: -20 °C ; Tmax: +60 °C         |

#### Atex characteristics

|                             |                             |
|-----------------------------|-----------------------------|
| ATEX application zone       | Zones 2-21-22               |
| Dust Atex execution (Tmax1) | II 2D - Ex tb IIIC T85°C Db |
| Gas Atex execution (Tmax1)  | II 3G - Ex ec mc IIC T6 Gc  |
| Dust Atex execution (Tmax2) | II 2D - -                   |
| Gas Atex execution (Tmax2)  | II 3G - -                   |
| Atex execution MINES        | -                           |

#### Reference Standards and Directives

|                                  |                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranty                         | 2 years extendable to 7                                                                                                                                                                                                                                                                                             |
| Certification and approval marks | IECEx, CE, EX                                                                                                                                                                                                                                                                                                       |
| Directives                       | 2011/65/EU (RoHS), 2012/19/EU (WEEE), 2014/30/EU (EMC), 2014/34/EU (ATEX)                                                                                                                                                                                                                                           |
| Reference Standards              | EN 60079-18:2015, EN 60079-18:2015/A1:2017, EN 60079-31:2014, EN 60079-7:2015, EN 60079-7:2015/A1:2018, EN 60598-2-24:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009, EN IEC 55015:2019, EN IEC 55015:2019/A11:2020, EN IEC 60079-0:2018, EN IEC 60598-1:2021, EN IEC 60598-2-22:2022, EN IEC 63000:2018 |

The images are purely indicative. The indicated values of luminous flux and declared power have tolerances of +/- 7%. Palazzoli reserves the right to make changes without notice.