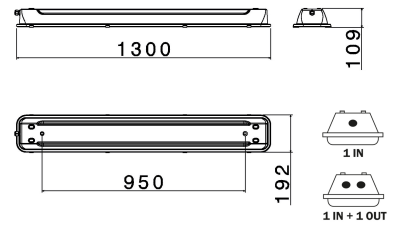
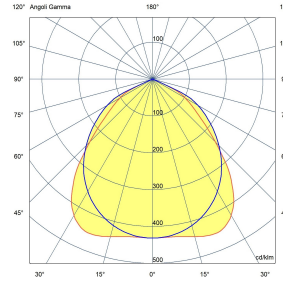




**SERIES RINO LED-EX
FIXTURE**
CODE 821390EX



Model Code : RINOLED-EX RL-Z2-EXE1-13-TGL-304-0045-096-00-80-40-500-WBC-PL20-1011-000

Datasheet

Lighting characteristics

Output flux	7,072 lm
Luminous flux (TJ=25°C)	8,200 lm
Luminaire power	52 W
Output efficiency	136 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	1054 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 mm²
Tightening diameter	Min 10 mm; Max 14 mm

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

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	7.75 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 IIC 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	CE, IECEx, 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.