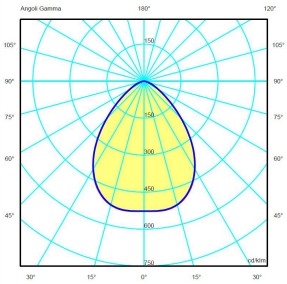
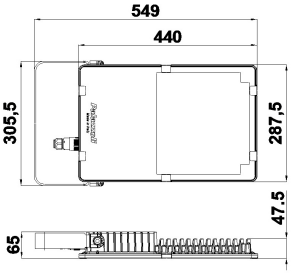
TIGUA-EX FLOODLIGHT 24LED 141W SYMMETRICAL OPTIC 81° IP66 2G 2D

SERIES TIGUA-EX FLOODLIGHT

CODE 817024EX







Model Code : TIGUA-EX F-Z1-TGL-24-DA-80-40-500-S81-PL20-000

Datasheet

Lighting characteristics

Output flux	16,560 lm
Luminous flux (TJ=25°C)	19,850 lm
Luminaire power	141 W
Output efficiency	117 lm/W
Color temperature	4000K
Optics type	UV-stabilized polycarbonate lens sealed on the led module with silicone resin
Optics	Symmetrical wide comfort 81°
CRI	>80
Color shift	4 MacAdam Step
Photobiological risk EN 62471	RG0 - Exempt Group
UGR index	-
Flicker free	< 1%
Life time	L90 B10 @230.000h Tq=25°C, L90/B10 @110.000h Tq=-30°+40°C
Emergency function	Obtainable with UPS/DALI
Emergency flux	-

Electrical characteristics

Insulation Class	I
Supply Voltage	160-277 Vac | 160-250 Vdc 0/50/60Hz
Control system/dimming	DALI
Surge protection	8kV common mode 6kV differential mode
Power factor	>0,98
Hole type	Terminal block with cable gland M20
Max conductor section	4 mm²
Tightening diameter	Min 7 mm; Max 13 mm

Equipment Included

Cable gland ATEX M20

Mechanical characteristics

Manufacturing material	Marine aluminium alloy (EN 44300)
Treatment type	Fluorozirconic passivation
Surface finishing	Atoxic, anti UV polyester paint oven polymerized
Colour	Black RAL 9005
Diffuser type	Extraclear tempered glass 4 mm
IP Protection degree	IP66
Shock resistance	4J (IEC 60079-0)
Corrosivity category	Equivalent to C5(M)/C4(H) (ISO 12944)
Mounting system	Adjustable bracket -135°+135°
Net Weight	6.6 KG
Working Environment Temp.	Tmin: -40°C ; Tmax1: +40°C ; Tmax2: +30°C
Warehousing Temperature	Tmin: -40°C ; Tmax: +70°C
Exposed surface	Lateral: 0,03 m2 - Front: 0,13 m2

Atex characteristics

ATEX application zone	Zones 1-2-21-22
Dust Atex execution (Tmax1)	II 2D - Ex tb IIIC T85°C Db
Gas Atex execution (Tmax1)	II 2G - Ex eb mb IIC T4 Gb
Dust Atex execution (Tmax2)	II 2D - Ex tb IIIC T85°C Db
Gas Atex execution (Tmax2)	II 2G - Ex eb mb IIC T5 Gb

Reference Standards and Directives

Warranty	2 years extendable to 7
Certification and approval marks	CE, IECEx, EX
Directives	2011/65/EU (RoHS), 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 60598-2 -5:2015, EN 61000-3-3:2013, EN 61000-3 -3:2013/A1:2019, EN 61000-3-3:2013/A2:2021, EN 62311:2008, EN 62471:2008, EN 62493:2015, EN IEC 55015:2019, EN IEC 55015:2019/A11:2020, EN IEC 60079-0:2018, EN IEC 60079-31:2024, EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN IEC 60598-2-1:2021, EN IEC 60598-2-22:2022, EN IEC 61000-3-2:2019, EN IEC 61000-3 -2:2019/A1:2021, EN IEC 61000-3-2:2019/A1:2024, EN IEC 61547:2023, EN IEC 63000:2018, IEC TR 62778:2014

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.

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