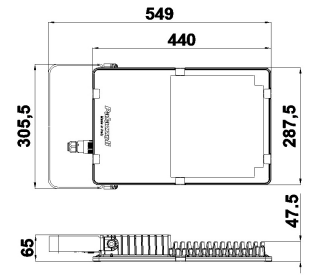
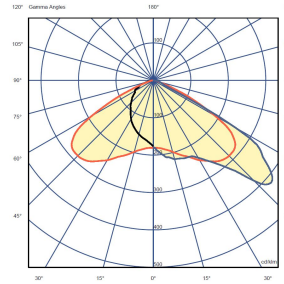




**SERIES TIGUA-EX  
FLOODLIGHT**  
**CODE 817222EX**



Model Code : TIGUA-EX F-Z1-TGL-12-DA-80-40-500-A50-PL20-000

### Datasheet

#### Lighting characteristics

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| Output flux                   | 8,280 lm                                                                      |
| Luminous flux (TJ=25°C)       | 9,950 lm                                                                      |
| Luminaire power               | 73 W                                                                          |
| Output efficiency             | 113 lm/W                                                                      |
| Color temperature             | 4000K                                                                         |
| Optics type                   | UV-stabilized polycarbonate lens sealed on the led module with silicone resin |
| Optics                        | Asymmetric wide 50°                                                           |
| 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         | 110-277 Vac   110-250 Vdc 0/50/60Hz   |
| Control system/dimming | DALI                                  |
| Surge protection       | 8kV common mode 6kV differential mode |
| Power factor           | >0,96                                 |
| Hole type              | Terminal block with cable gland M20   |
| Max conductor section  | 2.5 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                | 6.4 KG                                           |
| Working Environment Temp. | Tmin: -40°C ; Tmax1: +55°C ; Tmax2: +45°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 T95°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 | EX, IECEx, CE                                                                                                                                                                                                                                                                                                                                                 |
| 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 60598-2-5:2015, 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 60598-2-1:2021, 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.