

# Signal and Alarm: Traffic Light, DCT1-TF Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



## Application

The DCT1-TF is used for automatic lighting or traffic signaling in hazardous areas (Zone 1, Zone 2, and Zone 21, 22) where flammable gases, vapors, dusts, or flying fibers may be present, such as in oil refineries or petrochemical plants.

## Specification

- Body, cover : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)  
(optional offshore painting- acrylic polyurethane coating)
- Bolts : Stainless steel, SS 304  
(optional SS 316)
- Sealing (O-ring) : Silicone
- Sun shade : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)  
(optional offshore painting- acrylic polyurethane coating)
- Inspection window : Round type, Ø117 mm lens diameter  
Model LGCR-113

## Technical Data

| Hazardous Area           | Gas                                         | Dust                        |
|--------------------------|---------------------------------------------|-----------------------------|
| Zones                    | 1 & 2                                       | 21 & 22                     |
| Equipment Group/Category | Ex II 2G                                    | Ex II 2D                    |
| Symbol of Protection     | Ex db IIB T6/T5 Gb                          | Ex tb IIIC T85°C/ T100°C Db |
| Certificate              | TÜV CY 18 ATEX 0206140X                     |                             |
| Conformity to Standards  | EN IEC 60079-0, EN 60079-1, EN IEC 60079-31 |                             |
| Ambient Temperature      | -20°C to +55°C                              |                             |
| Index of Protection      | IP66                                        |                             |
| Entry Threads            | 2x M25x1.5 or 2x 3/4" NPT at Bottom         |                             |
| Mounting                 | Wall mount                                  |                             |
| Rated Voltage            | 110-240 V AC, 50/60 Hz or 24 V DC           |                             |

## Catalogue Number Logic

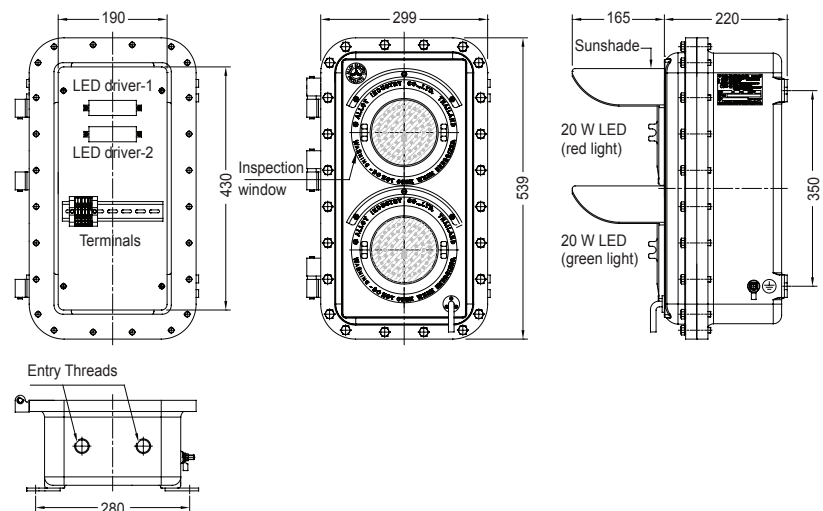
| DCT1   | 11218 - | TF            | 20        |                            | RG               |
|--------|---------|---------------|-----------|----------------------------|------------------|
| Series | Size    | Traffic light | LED power | Rated voltage              | Colour           |
|        |         |               | 20 20 W   | 22A 110-240 V AC, 50/60 Hz | R Red<br>G Green |
|        |         |               |           | 24D 24 V DC                |                  |

## Ordering Requirements

| Cat. No.             | LED power | Rated voltage          | Temp. Class (for zone 1 & 2) |         | Max. Surface Temp.* (for zone 21 & 22) |         |
|----------------------|-----------|------------------------|------------------------------|---------|----------------------------------------|---------|
|                      |           |                        | Ta 40°C                      | Ta 55°C | Ta 40°C                                | Ta 55°C |
| DCT1 11218-TF2022ARG | 20 W      | 110-240 V AC, 50/60 Hz | T6                           | T5      | T85°C                                  | T100°C  |
| DCT1 11218-TF2024DRG |           | 24 V DC                |                              |         |                                        |         |

Remark \* : The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.

## Dimensions (in mm)



## Diagram

