

## EXIR40F fixed IR illuminator

Explosion proof, fixed camera station



### Overview

The Oxalis EXIR40F is an explosion protected, IR nano-stack LED technology, infrared illuminator for use with fixed camera stations, for use in hazardous areas in onshore, offshore, marine and heavy industrial environments. The illuminator is designed for longevity in harsh environments with minimal maintenance.

### Features

- ATEX, IECEx and Class 1 Division 1 certified
  - Electro-polished 316L stainless steel on all welded assemblies
  - Pole or wall mounting options (see separate datasheets)
  - Supply voltage options (24 VAC)
  - Operating temperature from -60°C to +60°C\*
  - IP66/67
- \*Model dependent



## Certifications

<b>ATEX</b>	II 2 G Ex d (op pr) IIC T4 (T5 & T6 On Request) II 2 D Ex tb IIIC T135°C Db IP6x. ITS16ATEX101021X
<b>IECEX</b>	Ex d IIC T4 (T5 & T6 On Request) -60°C≤T <sub>a</sub> ≤ +60°C Gb Ex tb IIIC T135°C Db IP6x. Certificate Number: IECEX ITS 15.0068X
<b>INMETRO</b>	Ex d IIC T4 Gb -60°C≤T <sub>a</sub> ≤+60°C Ex tb IIIC T135°C Db IP66/67 Certificate Number:UL-BR 17.0063X
<b>cULus C1/D1</b>	Class I, Division 1, Groups B, C, D, -60°C≤T <sub>a</sub> ≤ +60°C T4/ Class II, Division 1, Groups E, F, G IP67. CSA-C22.2 No:30-M1986 No:25-1966(R2009) CSA-C22.2 No:60065-03(R2012) & UL1203,UL60065(ED.7) Certificate Number: 11671-1ML / 11677-1ML
<b>TR CU EAC</b>	IEx d IIC T4X -60°C≤T <sub>a</sub> ≤+60°C Ex tb IIIC T135°C Db IP67 Certificate Number: TCRUGB.ГБ.В00587
<b>CCOE</b>	Ex d IIC -60°C≤T <sub>a</sub> ≤+60°C Gb Ex tb IIIC T130°C Db IP6x Certificate Number: P400546/1
<b>CNEX</b>	Ex d IIC T4 GB / Ex tb IIIC 135°C Db IP6X Certificate Number: 17.1235X
<b>CERTEX</b>	II 2 G Ex d (op pr) IIC T4 II 2 D Ex tb IIIC T135°C Db IP6x Certificate Number: S-XLP/17.0244X

## Specifications

<b>Features</b>	
<b>Sun shield</b>	Standard stainless steel 316L mirror finish
<b>Range</b>	Up to 175m depending on associated camera technology
<b>Beam angle</b>	12°
<b>Wavelength</b>	850nm
<b>Control</b>	Autosensing ambient light sensor or logic input
<b>Electrical</b>	
<b>Supply voltage options</b>	24 VAC
<b>Power consumption</b>	13W maximum
<b>Electrical connections</b>	Terminal block for power
<b>Cable entry</b>	One M20 entry located in the side of the housing
<b>Mechanical</b>	
<b>Body material</b>	Electro-polished 316L stainless steel on all welded assemblies
<b>Fixings material</b>	A4 stainless steel
<b>Camera station window</b>	Toughened glass
<b>Mounting options</b>	Pole or wall (see separate datasheets)
<b>Operating temperature</b>	From -60°C to +60°C (model dependent)
<b>Weight (Kg)</b>	Up to 9 Kg depending on configuration
<b>Ingress protection rating</b>	IP66/67 (IP68)

## General arrangement drawing (all dimensions in mm)

