

# GREY-N-LED

## Technical conditions of the lighting fixture installation

06.12.2022 rev.0



### phX 22 UKEX 1204X

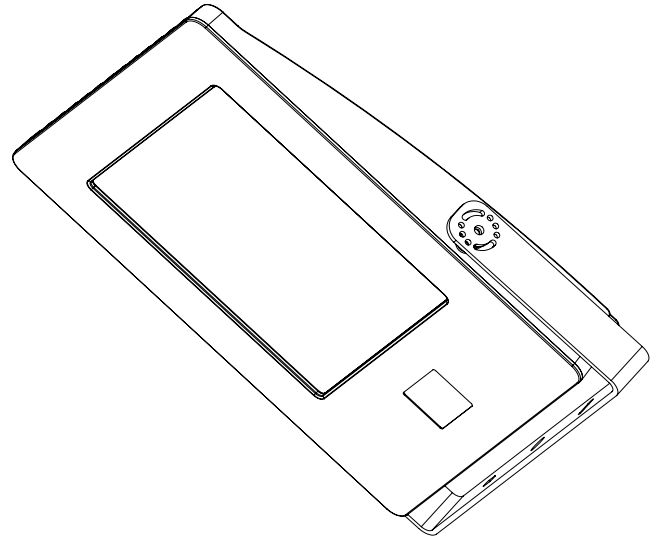
Ex II 3G Ex nR IIC T6 Gc

Ex II 3D Ex tc IIIC T85°C Dc

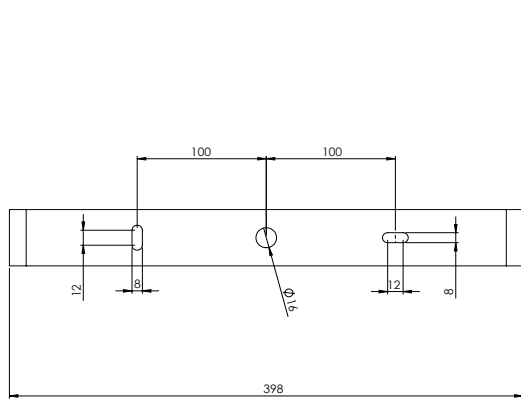
IP66, insulation class I

The explosion proof light fittings meet the standards according to the UK SI 2016 No.1107 (as amended). They can be used in areas with danger of explosion according to the following chart:

Area with danger of explosive	Marking of exterior ambient	Classification of area	
		Marking	Complusory regulation
Danger of explosion of inflammable dust	BE3N1	ZONE 22	EN 60079-14 EN 60079-10-2
Danger of explosion of inflammable gas and vapors	BE3N2	ZONE 2	EN 60079-14 EN 60079-10-1



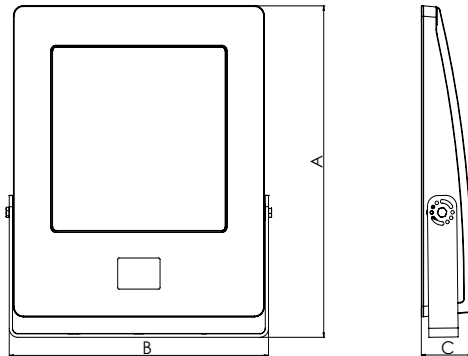
#### Mounting bracket dimensions:



Pic. 1

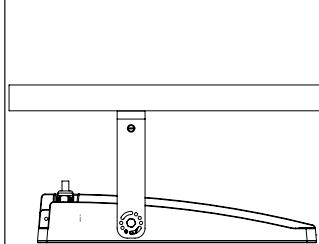
#### Lighting fixture dimensions:

Typ	Pic.	A(mm)	B (mm)	C (mm)
GREY-N-LED-X	2	480	400	80

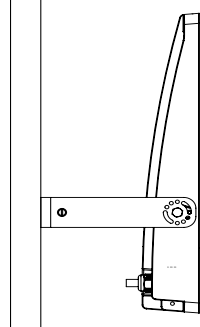


Pic. 2

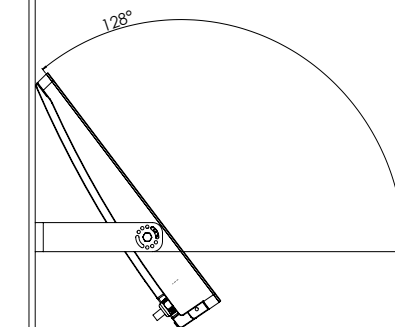
#### Ceiling installation:



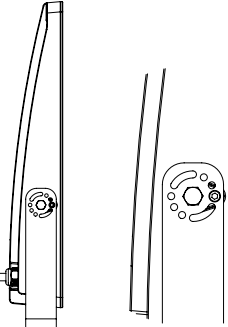
#### Wall installation:



#### Wall installation: max. tilt angle of the luminaire:



#### Holes for adjusting the position of bracket:



Securing with screw M5 with tightening torque 5Nm.

Pic. 3

#### Technical data:

Permitted range of operating temperatures for 220-240V, 50/60Hz:

GREY-N-LED-17000-4K	/103W/	-40 °C to +60 °C
GREY-N-LED-18500/24500-4K	/113/164W/	-40 °C to +55 °C
GREY-N-LED-21000-4K	/133W/	-40 °C to +50 °C
GREY-N-LED-29500-4K	/222W/	-40 °C to +45 °C
GREY-N-LED-18500/21000-T60-4K	/113/133W/	-40 °C to +60 °C

#### Nominal voltage and frequency:

Electronic ballast

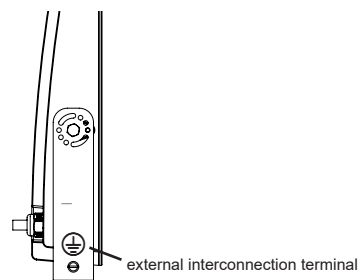
HELVAR:

220 - 240V, 50/60 Hz

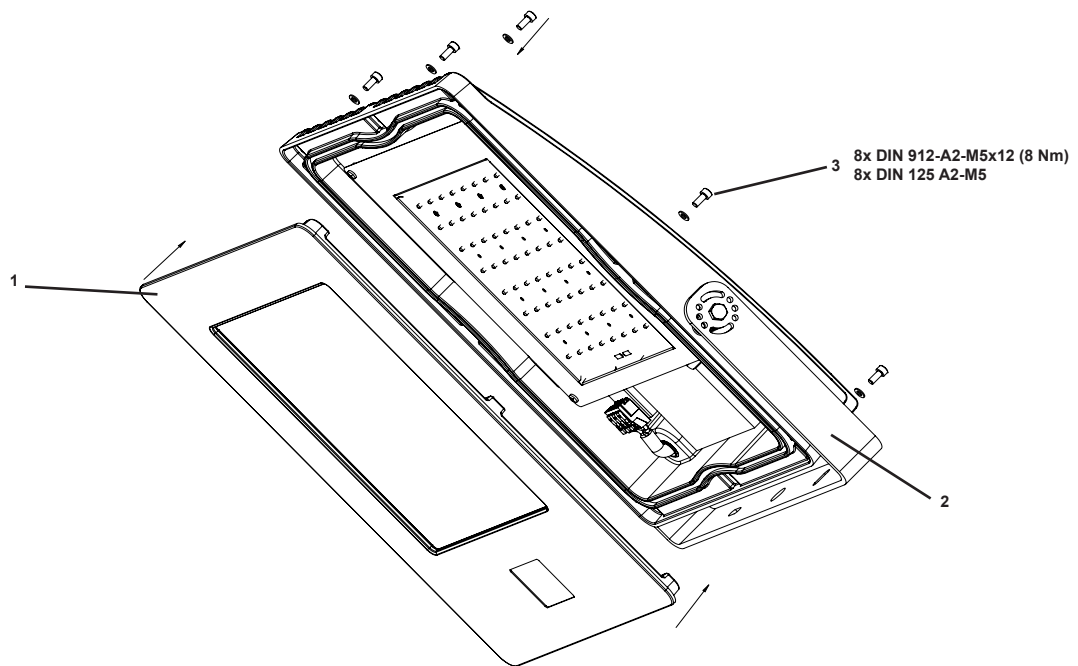
MEANWELL:

220 - 240V, 50/60 Hz

#### Lighting fixture for external interconnection:

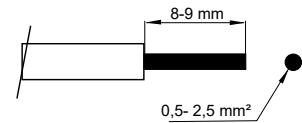
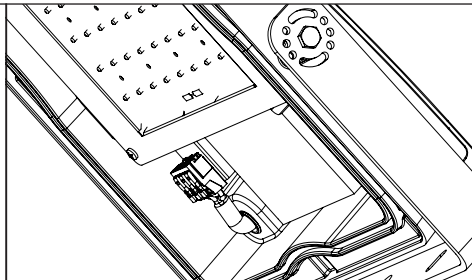
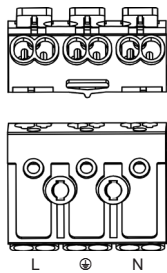


Pic. 4



**Installation of lighting fixtures:**

1. Prepare spans for the lighting fixture fastening according to the span of fixing holes, see figure 1 and prepare the lighting fixture bracket (2).
2. Loosen 8 pcs of M5 screws (3) and remove the front frame with glass (1).
3. Pull the supplying cable through the packing gland. Tighten the packing glands properly until the rubber sealing washer is partially deformed, tightening torque 2.5 Nm. The outer dimension of the lighting fixture incoming cable must be within the range according to the gland type – Table of Sealed Areas, which is the necessary condition for proper function of the packing gland.
4. Connect the supplying cable to the free part of incoming terminal strip as follows:



Clip	GREY-N-LED
L	phase conductor
N	neutral conductor
⊕	protective conductor

\* The marking and connection of individual terminals may differ depending on the required lighting fixture equipment. In case of uncertainties contact the technical support of VYRTYCH a.s..

5. Put on the frame with glass and screw the M5 screws with tightening torque of 8 Nm.
6. The lighting fixture is provided with a terminal for external interconnection (Fig. 4).

**Table sealing areas for different types of cable gland**

Cable gland	Diameter of cable for the cable glands M20x1,5
OBO V-TEC Ex	∅ 7 mm - 12 mm
CEAG CHG 960 92.. P...	∅ 5,5 mm - 13 mm
WISKA ESKE/1 (S)(-L)(-+)(-RDE)	∅ 7 mm - 13 mm
ELFIT UNI	∅ 7 mm - 12 mm
BIMED LYRA (EURO-TOP)	∅ 7 mm - 12 mm

In case of any interventions on fixture lighting in premises with danger of explosion, the national safety rules and regulation for prevention of accidents are to be observed.



The light source and gasket in this lighting fixture can be replaced only producer or its contractual service technique or a similarly qualified person. When installing lighting fixture, observe the ESD safety using appropriate tools!  
When the mounting instructions are not observed, the producer can't be responsible for incidental damages incurred.

The light source and gasket in this lighting fixture can be replaced only producer or its contractual service technique or a similarly qualified person. Any modification or replacement of components on the luminaire that affects the protection against dangerous explosions is prohibited.  
Repairs to luminaires may only be carried out by a suitably qualified person and only with original spare parts.



**ATTENTION!!!**

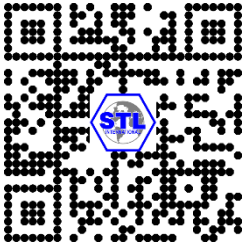
**For wall installation of lighting fixture must be LED driver positioned facing downwards**

**WARNING – potential danger of electrostatic charging.**

**WARNING – the lighting fixture must be installed in the position, which does not allow the touch of persons and parts of the fixture. WARNING – the lighting for fixed installation.**

**WARNING – the fixture should be cleaned with damp duster only. It is necessary to keep periodic cleaning intervals of lighting fixture WARNING – do not open under voltage.**

**WARNING – replace protective cover**



SCAN QR FOR STL WEBSITE


# Declaration of Conformity

**Product:** LED Floodlight series GREY

**Models:** GREY-N-LED-yy-17000-4K/95W-110W -40°C < ta <+60°C  
GREY-N-LED-yy-18500-4K/110W-130W -40°C < ta <+55°C  
GREY-N-LED-yy-21000-4K/130W-140W -40°C < ta <+50°C  
GREY-N-LED-yy-22500-4K/130W-150W -40°C < ta <+50°C  
GREY-N-LED-yy-24500-4K/140W-170W -40°C < ta <+55°C  
GREY-N-LED-yy-29500-4K/200W-225W -40°C < ta <+45°C

(yy = S, AS, H, AH))

IP66, Class I,  
phX 22 UKEX 1204X

 II 3G Ex nR IIC T6 Gc  
II 3D Ex tc IIIC T85°C Dc

**UK  
CA**

**Manufacturer: STL INTERNATIONAL LTD**

Hill Farm, Linton Hill, Maidstone, Kent, ME17 4AL, United Kingdom

**We declare, under our sole responsibility, that the object of the declaration described above is in conformity with the relevant UK Statutory Instruments (and their amendments):**

- 2016 No.1107 The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016
- 2016 No.1091 The Electromagnetic Compatibility Regulations 2016
- 2012 No.3032 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

**The following standards have been applied for certification:**

- EN 60079-0:2018 including amendments
- EN 60079-15:2017
- EN 60079-31:2014
- EN 60598-1:2015 including amendments
- EN 60598-2-1:1989 including amendments
- EN 60598-2-5:1998
- EN 60598-2-24:2013
- EN 62471:2008
- EN 55015:2013 including amendments
- EN 61000-3-2:2014 including amendments
- EN 61547:2009

Maidstone, 12 December 2022

Place and date of issue

  
Ing Peter Heyse  
Managing Director