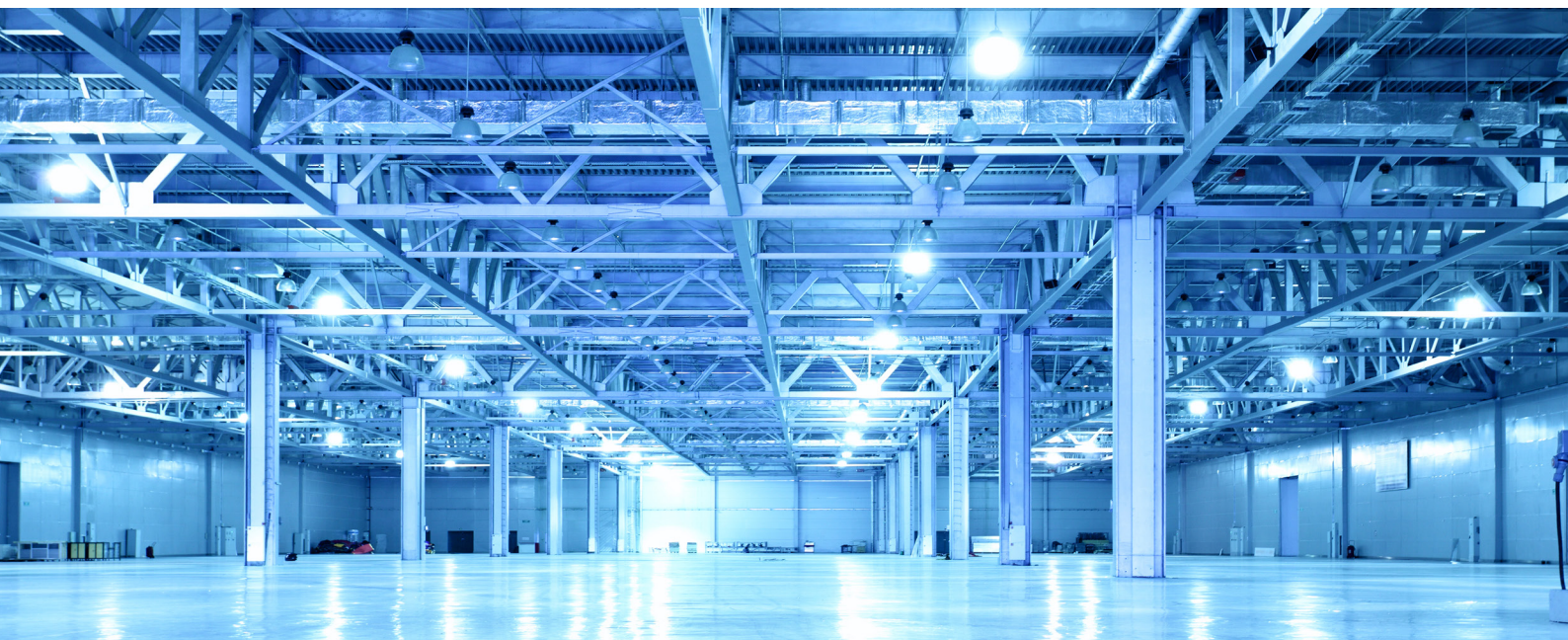
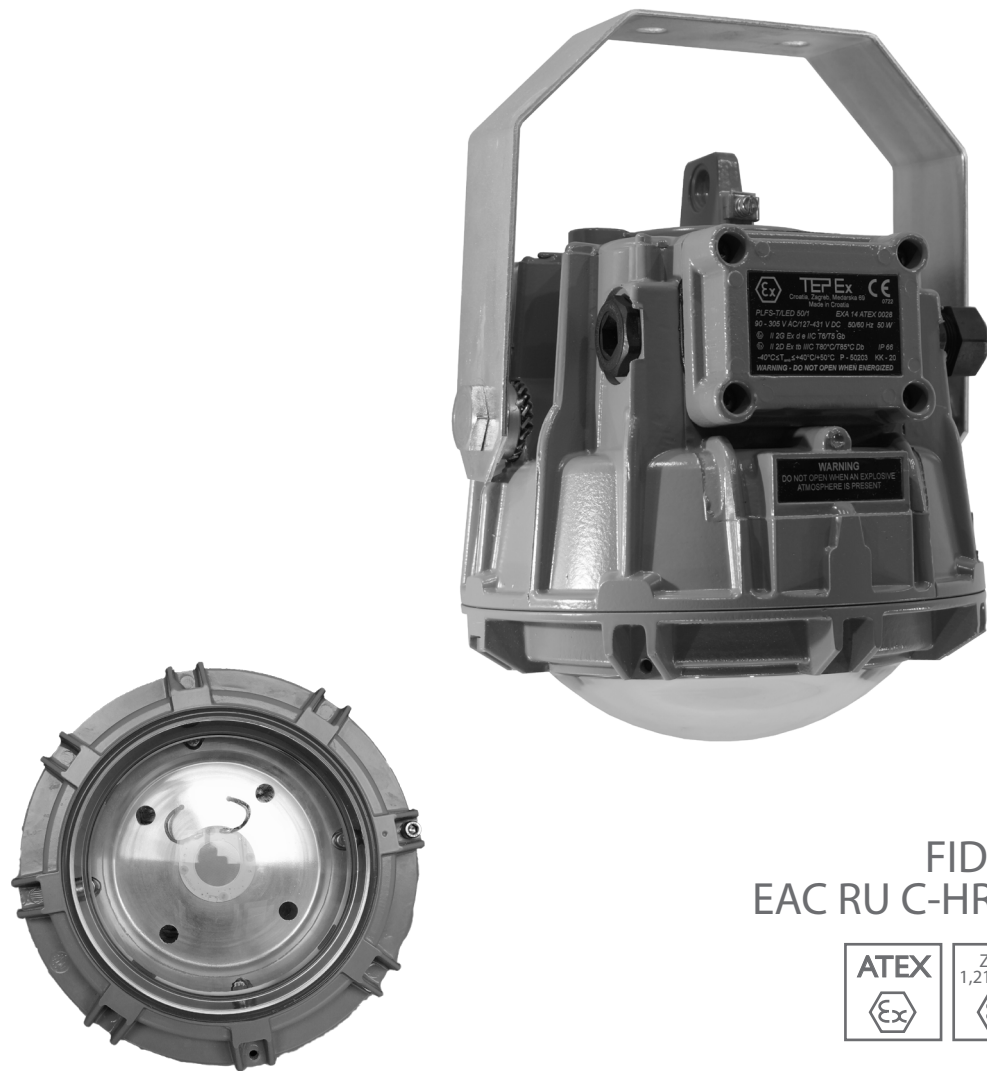


ZONE 1,21&2,22



PLFS 50 LED





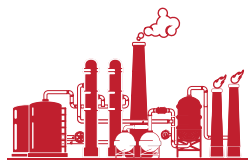
FIDI 19 ATEX 0030  
EAC RU C-HR.AB24.B.03244



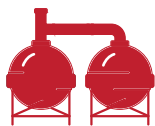
CECHA EX:

II 2G Ex d e IIC T6/T5 Gb  
II 2D Ex tb IIIC T80°C/ T85°C Db

EXEMPLARY APPLICATIONS



REFINERIES



FUEL  
TANKS



CHEMICAL  
PLANTS



CHEMICAL  
WAREHOUSES








FUEL  
RELOADING  
AREAS

Explosionproof light fitting with **LED modules**. Designed to work in the zone **1.21 & 2.22** of the explosion hazard of gases, vapors and mists of flammable liquids with air, as well as of flammable dusts and fibers.

## FEATURES

## MECHANICAL PARAMETERS

	housing	cast aluminum
	diffuser	borossilicate glass
	ingress protection	IP66
	protection class	I
	mounting	suspended on a pipe, surface or recessed,
	weight	7,4 kg

## ELECTRICAL PARAMETERS

2,5 mm<sup>2</sup>90-305V, 50-60Hz,  
127-431V 0Hzintrinsically safe  
LED module



&gt;0,95

M25

connection  
terminalsinput  
voltagelight  
sourcepower  
factor

gland

## WORK PARAMETERS

	ambient temperature	-40°C up to +60°C <i>check: types comparison</i>
	lifetime	>70.000h L <sub>80</sub> B <sub>30</sub>

## PHOTOMETRICAL PARAMETERS

&gt;80

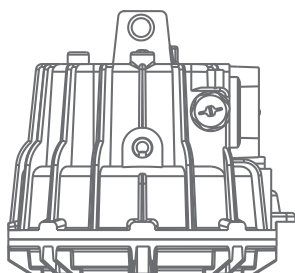
4000K

CRI

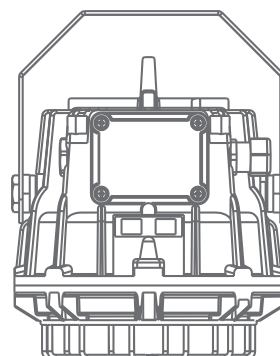
color  
temperature

## MOUNTINGS

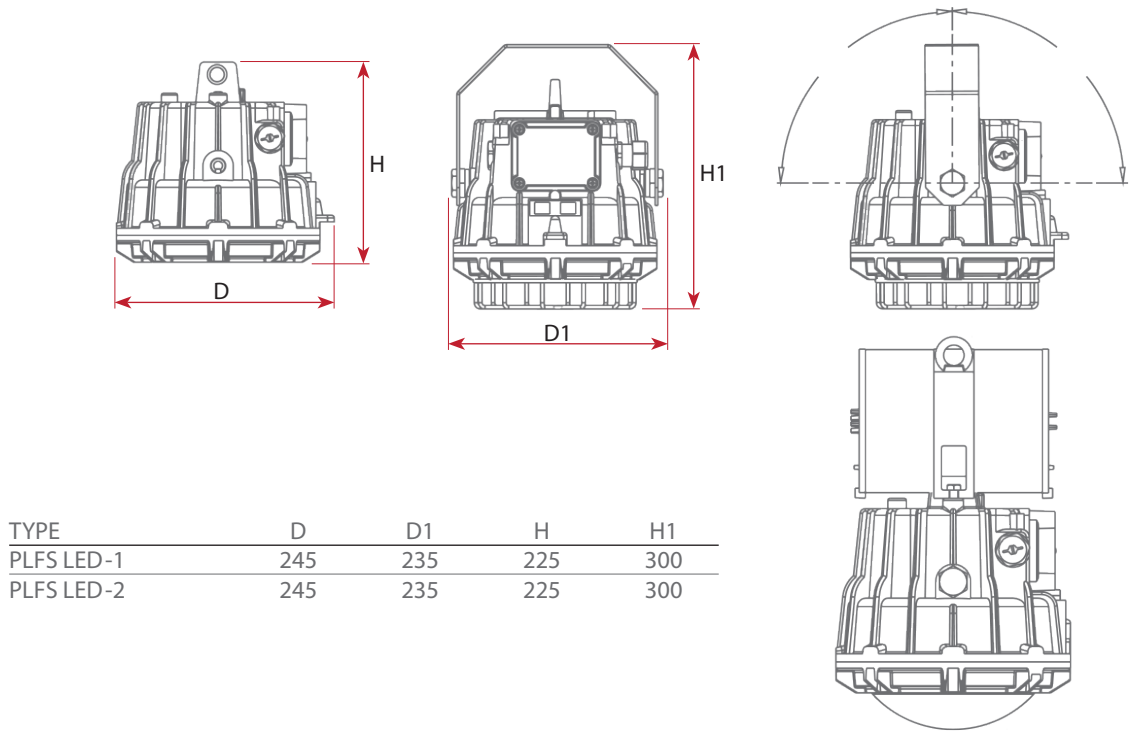
HANDLE



BRACKET



DIMENIONS



TYPES COMPARISON

TYPE	LUMINOUS FLUX [lm]	POWER CONSU. [W]	EFFICIENCY [lm/W]	MAX. TEMP. [°C]
PLFS 50 LED-1	4520	35,0	129	60
PLFS 50 LED-2	6460	50,0		55



Luminous flux tolerance +/- 10%  
Power tolerance +/- 10%  
The parameters given in the following data sheet has been determined for the temperature Ta=25°C.

Luminous flux, light intensity distribution and efficiency has been tested on the basis of the standards EN ISO 17025:2005, norm series EN13032 and LM-79.

The actual data and General Warranty Conditions are available on our website [www.atmlighting.pl](http://www.atmlighting.pl)

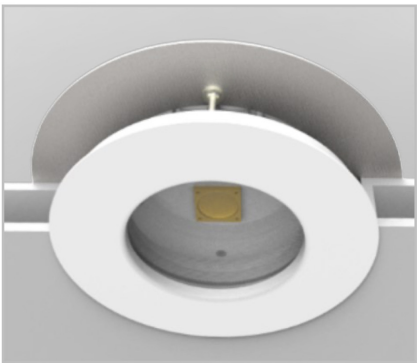
OPTIONAL VERSIONS



diffuer shape:  
spherical or flat


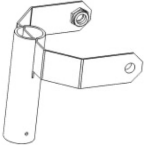
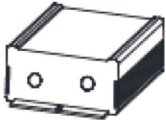
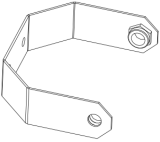



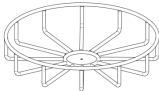


diffuser typ :  
transparent or opal glass



Recessed type with transparent glass.

## ACCESSORIES AND SPARE PARTS

	Removable diffuser PLFS LED	PLFS LED 10-110		Bracket PLFS-T for pipe R 1 1/2"	PLFS 20-120
	LED driver	PLFS 50 LED 10-130		Bracket PLFS-T for surfaces	PLFS 20-140
	Radiator with LED modules	PLFS 50 LED 10-150		External reflector kit	PLFS 50 LED 20-110
	Chamber Ex eb	PLFS 50 LED 10-120		Protection grid PLFS LED	PLFS LED 20-130

## PHOTOMETRY

