



# STEIN EX Z1-700

ATEX Certified Zone 1 Hazardous Area Luminaire

ATEX Certified Zone 1 Protection

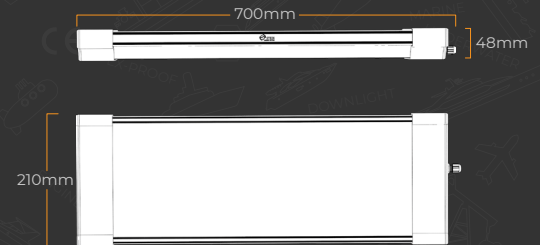
APPLICATIONS | Offshore Platforms | Engine Rooms | Fuel Handling Areas  
Chemical Processing Plants | LNG Facilities | Hazardous Areas

## KEY FEATURES

ATEX Certificate No	IEP 16 ATEX 0455
Certification	ATEX 2014/34/EU
Equipment Category	II 2G / II 2D
Gas Protection	Ex eb, mb IIC T5 Gb
Dust Protection	Ex tb IIIC T(95°C) Db
Hazardous Area Rating	Zone 1 / Zone 21
Gas Group	IIC (Hydrogen Compatible)
Temperature Class	T5
Ingress Protection	IP67
Operating Temperature	-20°C to +50°C

## DIMENSIONS

These dimensions can be optionally changed



## TECHNICAL SPECS

### ELECTRICAL DATA

System Power	148 Watt
Nominal Operating Voltage	20-30V DC
Energy Efficiency	Up to 98%

### OPTICAL PERFORMANCE

Luminous Flux	22.200 lm
Luminous Efficacy	150 lm/W
Color Rendering Index (CRI)	≥90
Beam Angle	100°
Rated Lifetime	L70 lifetime >80,000h
Color Consistency	3-Step MacAdam Ellipse

### EXPLOSION PROTECTION

- II 2G Ex emb IIC T5 Gb
- II 2D Ex tb IIIC T95°C Db
- Certified for Zone 1 Gas Areas
- Certified for Zone 21 Dust Areas
- Suitable for Hydrogen Atmospheres (IIC)
- IP67 Ingress Protection

## MATERIALS



PBT  
SIDE COVER



ALUMINUM  
BODY

## LIGHT COLORS

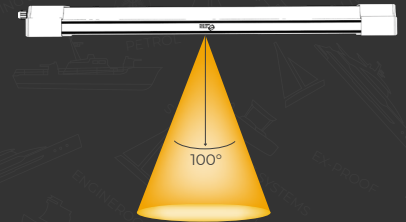


6500K

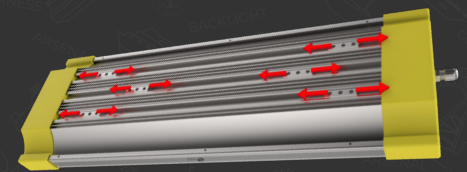


3000K

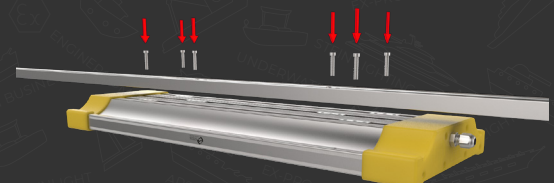
## BEAM ANGLE



## MOUNTING



Position the adjustable mounting brackets on the rear side of the luminaire according to the installation requirements.



After adjusting the mounting brackets, fasten the luminaire to the installation surface as illustrated.

