GRINSAFE™

BARREL™ GELT

Hazardous Location Lighting

Barrel™ GELT series linear luminaire with LED tube is designed with the type of protection “Ex d” and “Ex de”. Marine grade copper free aluminium (control gear & lamp body) high-temperature resistant polycarbonate tube ideal solution for many hazardous, high vibration, and corrosive environments.

Compliance

II 2G Ex db eb IIC T6 Gb
II 2D Ex tb IIIC T80°C Db

Ex db eb IIC T6 Gb
Ex tb IIIC T80°C Db

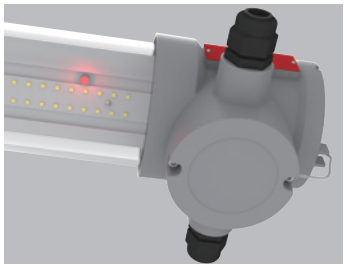
Zone 1,2 , Zone 21,22
CE EMC/LVD/EMF EN62471
IP67
IK10
5G vibration

Features

- UV resistant polycarbonate IK10 for extreme durability.
- Robust Ex-d housing
- 157mm fixture height, low profile and light weight
- 2 models from 3,200 to 9,600 lumens with 160Lm/W.
- 90 minute minimum run time in emergency mode.
- Ex eb compartment provides quick access to terminals.
- Resistant to shock and vibration
- High degree of protection IP67
- Easy connection to wire and disconnect with plug-in terminal blocks

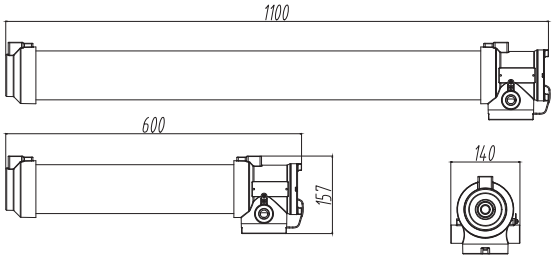
Emergency

90 minute minimum run time at 1500 lumens in emergency mode.



Dimensions

Dimensions in millimeters (mm)



Technical Data

Electric	
Rated Power	20W / 30W / 50W / 60W
Input Voltage	100-240VAC
Input Frequency	50/60Hz
Power Factor	› 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	‹200mVP-P

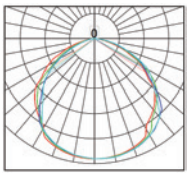
Emergency	
Emergency power	15W
Input Voltage	AC100-240VAC
Recharging time	24 hours
Rated autonomy	90 min

Optical	
Lumen Output	3,200lm / 4,800lm 8,000lm / 9,600lm
Luminous Efficacy (Lumens per Watt)	160Lm/W
Beam Angle	110°
Correlated Color Temperature (CCT)	2700K/3000K/4000K/5000K
CRI	Ra›70

Environmental	
Ambient Operating Temperature	-20°C ~ +55°C 0°C ~ +50°C (Emergency)
Ambient Operating Humidity	10%~90% RH

Techanical	
Lens Material	Polycarbonate
Mounting Options	Hanging, Ceiling, Pole
Cable Entries	M20, M25, 3/4” NPT
Net Weight	6 kg / 4.5kg
Warranty	5-year limited system warranty L70:150,000 hours@ 55°C

Beam Distribution



110°

Ordering Information and Mounting Accessories

GELT	05	P	110	NW	TPL	CM	GR	XX

Model
GELT
GELT-E

Power
03 – 3,200 lm (20w)
05 – 4,800 lm (30W)
08 – 8,000 lm (50W)
10 – 9,600 lm (60W)

Voltage
P - 100-240VAC

Optics
110 - 110°

Color Temp
WW - 2700K (Warm white)
SW - 3000K (Soft white)
NW - 4000K (Neutral white)
CW - 5000K (Cool white)

Lens
TPL - Transparent PC

Mount Style
HM – Hanging Mount
CM – Ceiling Mount
HCM – High Ceiling Mount
PCM – Pole Clamp Mount

Color
GR - Gray

Accessories
HR - Hanging Ring
PCMK - Pole clamp mount kit
CMK - Ceiling mount kit
SC - Safety cable
SP10U - 10KV surge protector (100-277V)
CG20 - Cable Gland M20
CG22 - Cable Gland M25

Mounting Options

HM
Hanging Mount

CM
Ceiling mount

HCM
High ceiling mount

PCM
Pole Clamp Mount

Accessories

HR
Hanging Ring
M12 eyebolt
1 pair

PCM
Pole Clamp Mount Kit
1 pair

CM
Ceiling mount kit
1 pair

HCM
High Ceiling mount kit
1 pair

SC2
Stainless steel safety cable

CG20
Cable Gland M20
CG25
Cable Gland M25

SP10U
10KV Surge Protector
10KV (100-277V)