Dialight

The Dialight SafeSite® LED Linear luminaire with its low profile, rugged design ensures long life and high reliability for a wide variety of Hazardous Area applications. Offered in 32W and 64W versions to replicate the light output of typical 2 x 18W & 2 x 36W fluorescent luminaires respectively, it is ideally suited for oil & gas, chemical, petro-chemical and other potentially explosive industrial environments. Dialight offers a range of mounting options for use with the SafeSite® Linear luminaire.

SafeSite® Stainless Steel LED Linear Luminaire ATEX / IEXCEx Version

64W Version 1294mm
32W Version 694mm

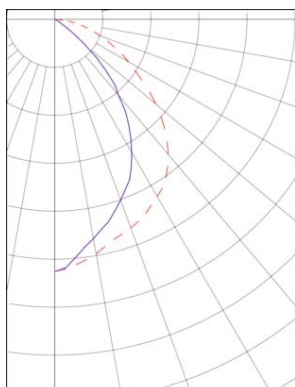400/700
170
50

Emergency Version

127
94
400 / 700
170
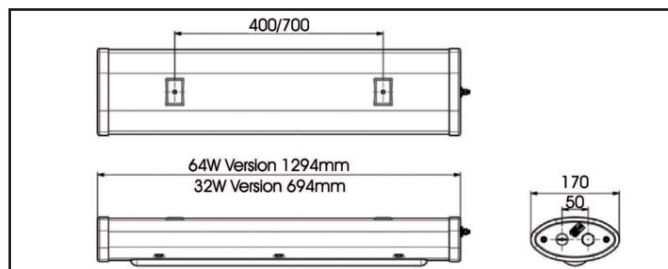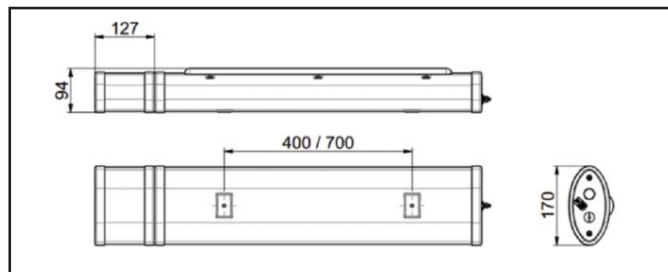
Certifications
- Ex II 2GD e mb IIC T4 Gb (Ta = -20°C to +60°C)
- Ex tb IIIC T135°C Db (Ta = -20°C to +60°C)
- Certificate numbers: IECEx SIR12.0093
  SIRA12ATEX3127
- ATEX Zones 1 & 21 and 2 & 22
- CE - Compliant with EN55015:2006 / EN61547:2009 / EN60598:2008
- IP 66/67 rated
- IK09 to EN 50102
- C & D shock compliant to MOD specification BR8470
- RoHS compliant

Features & Benefits
- L70 rated for >100,000 hours @ 25°C ambient
- 5 year full performance warranty (Battery not included)
- Instant on/off operation
- Universal input (110-250V AC, 50/60Hz),
  (Emergency 230-240V AC or 110-120V AC, 50/60Hz)
- Superior colour rendition index compared to HPS, LPS, MV
- Mercury free
- Resistant to shock and vibration
- Easy retrofit solution for existing fluorescent fittings due to same size and fixing centres
- Factory sealed option available
- Factory safety shackle option available
- Factory fitted wireguard option available

Photometric Information

Mechanical Information	
Fixture Weight:	
Standard Version:	1294mm - 11.4kg (25.1lbs)
	694mm - 6.5kg (14.3lbs)
Emergency Version:	1555mm - 14.5kg (32 lbs)
	955mm - 9.1kg (19.8 lbs)
Shipping Weight:	
Standard Version:	1294mm - 14.2kg (31.3lbs)
	694mm - 9.1kg (20lbs)
Emergency Version:	1555mm - 17.5kg (38.6 lbs)
	955mm - 11.3kg (25 lbs)
Shipping Dimensions:	1294mm - 240 x 160 x 1640
	694mm- 240 x 160 x 1040
Mounting:	(2) M8 fixing points
Cable Entry:	2 x M20 cable entries at both ends, through wired as standard. Consult factory for other options

Electrical specifications	
Operating Voltage	
Standard Version:	100-277V AC 50/60Hz
Emergency Version:	230-240V AC 50/60Hz or 110-120V AC 50/60Hz
Power Consumption:	See ordering information
Operating Temp:	-20°C to +60°C (-4°F to +140°F)
Noise Requirements/ EMC:	EN 61000-3-2: 2006
THD:	<15% @ 120 V AC
	<20% @ 277 V AC
Surge Protection:	EN-61000-4-5
	1 kV line to line
	2 kV line to ground
Power Factor:	> 0.9

Emergency Versions	
Battery:	3.6V 10Ah NiMH
Battery Life:	4 years
Battery duration:	>180 Minutes

Materials	
Housing and Fixings:	316 Marine grade stainless steel
Lens:	High Impact resistant polycarbonate
Mounting Brackets:	316 Stainless steel
Safety Shackle:	Optional factory fitted safety shackle with 1.5 metre safety cord

Photometric Information	
CCT:	5,650K (cool white)
CRI:	70 (cool white)
IES Files:	Consult factory

All values typical unless otherwise stated
All lumen values are typical (tolerance +/- 10%)

SafeSite® Stainless Steel LED Linear Luminaire

Ordering Information

Part Number	Voltage	Colour	Entry Options	Lumens	Watts	Lumens Per Watt
ELA-1C3R-SSCB	110 - 250V AC	CW	2 at each end	5,100	64	81
ELA-1C3M-SSCB	110 - 250V AC	CW	2 at each end	2,600	32	81
Emergency Version						
ELEA-1C4R-SSCB	230 / 240V AC	CW	2 at each end	5,100	70	73
ELEA-1C5R-SSCB	110 / 120V AC	CW	2 at each end	5,100	70	73
ELEA-1C4M-SSCB	230 / 240V AC	CW	2 at each end	2,600	35	74
ELEA-1C5M-SSCB	110 / 120V AC	CW	2 at each end	2,600	35	74

Lm/W are under constant review and improvement, please consult technical department for latest achievable values

For factory fitted safety shackle option, add 1 as a suffix to the part code. E.g ELA-1C3R-SSCB-1

Mounting Options & Accessories

	Part Number	Description	Kit Includes
	ELX-PC-SS-42	Ø40 - 45mm Range Marine Grade Stainless Steel Pole Clamp	2 x Pole clamp bracket Mounting hardware
	ELX-PC-SS-47	Ø47 - 51mm Range Marine Grade Stainless Steel Pole Clamp	
	ELX-PC-SS-54	Ø54 - 57mm Range Marine Grade Stainless Steel Pole Clamp	
	ELX-PC-SS-59	Ø59 - 62mm Range Marine Grade Stainless Steel Pole Clamp	
	ELX-EYE	Marine Grade Stainless Steel Eyelet kit	2 x M8 Eyelets Mounting Hardware
	ELX-CMB	Marine Grade Stainless Steel Ceiling Mount Kit	Bracket Mounting hardware
	ELX-WMB-SS-30	30° Marine Grade Stainless Steel Wall Mount Kit	Bracket Mounting hardware
	ELX-WMB-SS-45	45° Marine Grade Stainless Steel Wall Mount Kit	
	ELX-WMB-SS-60	60° Marine Grade Stainless Steel Wall Mount Kit	
	ELX-WMB-SS-90	90° Marine Grade Stainless Steel Wall Mount Kit	

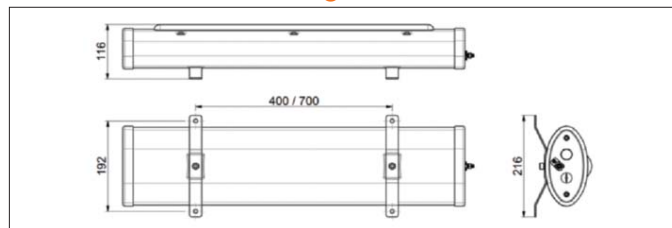## Mounting Options & Accessory Dimensions
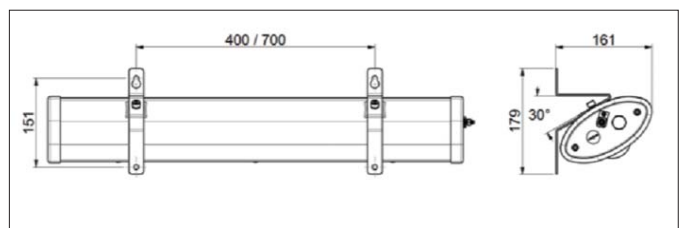
Pole Clamp
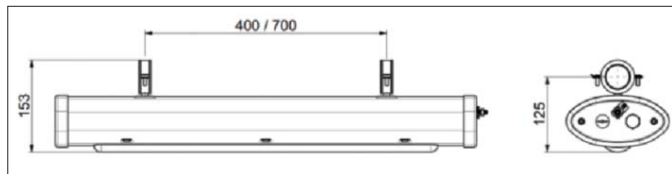
Eyelet
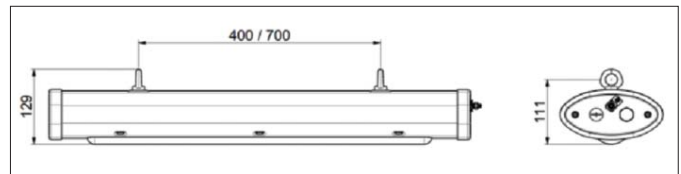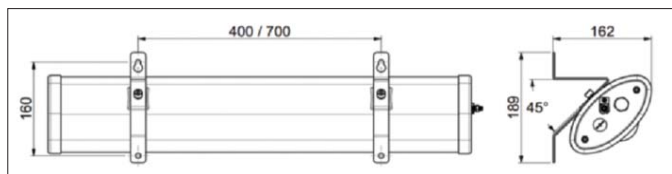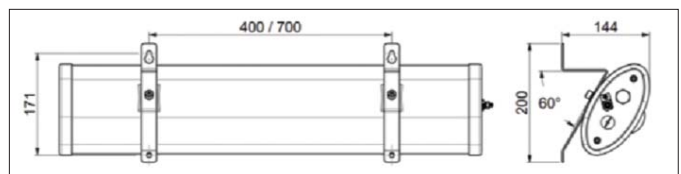

Ceiling Mount

Wall Mount Bracket 30°
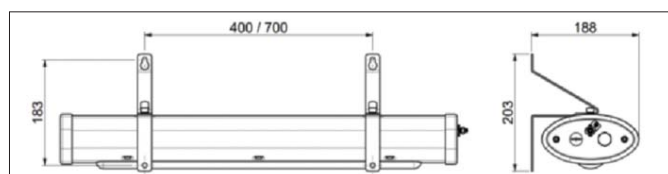

Wall Mount Bracket 60°

Wall Mount Bracket 45°

Wall Mount Bracket 90°