Dialight

SafeSite® LED Stainless Steel Linear - ATEX / IECEx
for Indoor and Outdoor Industrial Applications

On when it matters most.

Products and solutions that protect your business

Features & Benefits

- L70 rated for >150,000 hours @ 25°C ambient
- 5 year full warranty
- Significant energy savings
- Easy retrofit solution for exisiting flourescent fittings due to same size and fixing centres
- Maintenance free
- Mercury free
- No UV or IR
- Resistant to shock and vibration
- Superior colour rendition index compared to HPS, LPS, MV
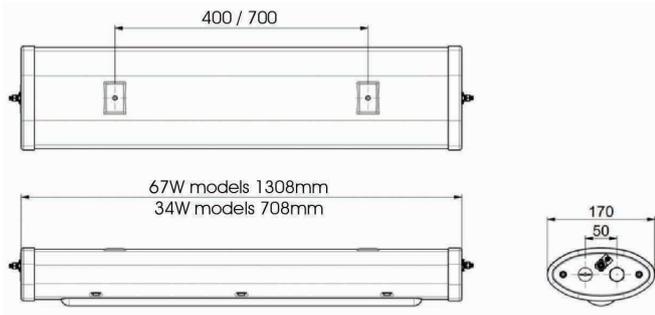- Temperature compensation for longer life

Application

The Dialight SafeSite® LED Linear luminaire with its low profile, rugged design ensures long life and high reliability for a wide variety of Industrial area applications. Offered in 34W and 67W versions to replicate the light output of typical 2 x 18W & 2 x 36W fluorescent luminaires respectively, Dialight offers a range of mounting options for use with the SafeSite® Linear luminaire.

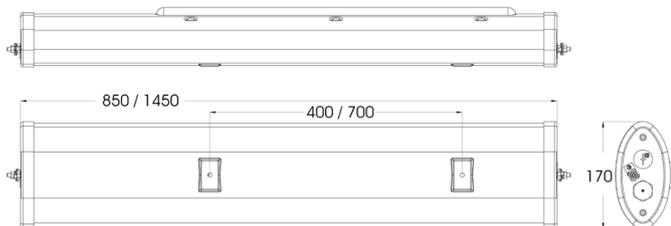# SafeSite® LED Stainless Steel Linear - ATEX / IECEx
Standard Models

Certifications & Ratings

- Ex 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 SIR 12.0093X
  SIRA12ATEX3217X
- ATEX Zones 1, 21
- ATEX Zones 2, 22

- CE
  EN 55015:2006
  EN 61547:2009
  EN 60598:2008
- IP66/67
- IK07 to EN 50102
- C & D shock compliant to MOD
  specification BR8470

Standard Models

400 / 700

67W models 1308mm
34W models 708mm

170
50

Dimensions in mm

Emergency Models

850 / 1450   400 / 700

170

Dimensions in mm

Mechanical Information:

Fixture weight:

Standard Models:	1308mm - 11.3 kg (25 lb)
	708mm - 6.8 kg (15 lb)
Emergency Models:	1450mm - 14.1 kg (31 lb)
	850mm - 9.1 kg (20 lb)

Shipping weight:

Standard Models:	1308mm - 14.1 kg (31 lb)
	708mm - 9.1 kg (20 lb)
Emergency Models:	1450mm - 17.2 kg (38 lb)
	850mm - 11.3 kg (25 lb)

Box dimensions:	1308mm - 240 x 160 x 1640
	708mm - 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 Models:	110-250 VAC, 50/60Hz
Emergency Models:	230/240 VAC, 50/60Hz
Total system power consumption:	See table
Operating Temp:	-20°C to +60°C
Noise Requirements/ EMC:	EN 61000-3-2: 2006
Transient protection:	EN61000-4-5
	1 kV line-to-line
	2 kV line-to-ground
Power Factor:	> 0.9

Emergency Models:

Battery:	3.6V 10Ah NiMH
Expected Battery Life*:	4 years
Battery Duration*:	>180 Minutes

Materials:

Housing and Fixings:	316 Marine grade stainless steel
Lens[1]:	High impact resistant polycarbonate
Mounting Brackets:	316L stainless steel
Safety Shackle:	Optional factory fitted stainless steel safety shackle with 1 meter safety cord

Photometric Information:

CRI:	70
CCT:	5000K (cool white)
	4000K (neutral white)

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

[1]For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide:
www.dialight.com/pubs/MDTFCHEMRFLX001.PDF

*@ 25°C ambient

SafeSite® LED Stainless Steel Linear - ATEX / IECEx
Mounting Options and Accessories

ELX-CMB-SS
- 316 Marine Grade stainless steel ceiling mount kit

ELX-EYE-SS
- 316 Marine Grade stainless steel eyelet kit

ELX-BATT-KIT
- 3.6V 10Ah NiMH battery kit

ELX-PC-SS-42
- 40Ø - 45mm range 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-47
- 47Ø - 51mm range 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-54
- 54Ø - 57mm range 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-59
- 59Ø - 62mm range 316 Marine Grade stainless steel pole clamp

ELX-WMB-SS-30
- 30° 316 Marine Grade stainless steel wall mount kit

ELX-WMB-SS-45
- 45° 316 Marine Grade stainless steel wall mount kit

ELX-WMB-SS-60
- 60° 316 Marine Grade stainless steel wall mount kit
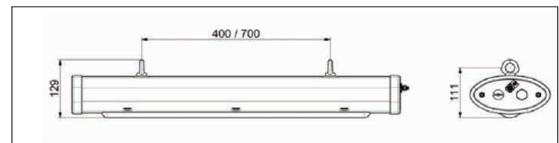
ELX-WMB-SS-90
- 90° 316 Marine Grade stainless steel wall mount kit

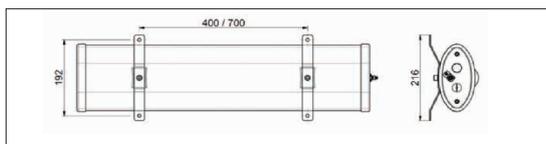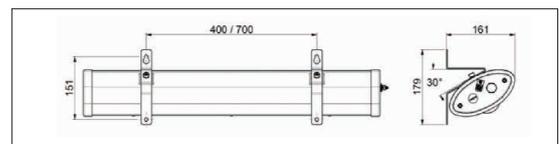### Mounting Options and Accessory Dimensions (mm)

Pole Clamp
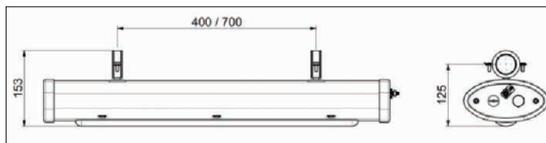
Eyelet

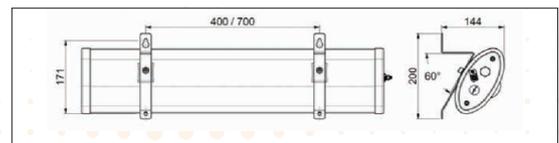#### Ceiling Mount
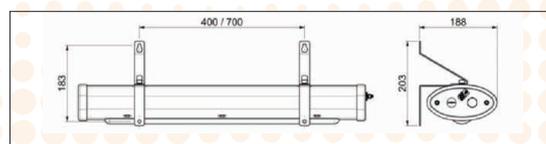

Wall Mount Bracket 30°

Wall Mount Bracket 45°
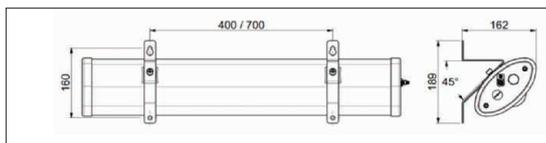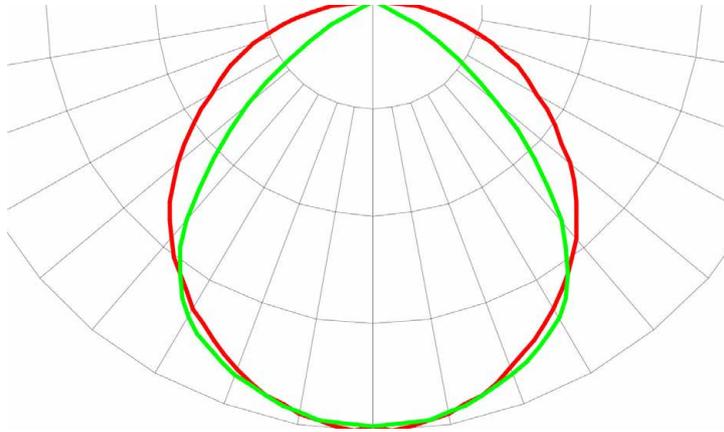

Wall Mount Bracket 60°

Wall Mount Bracket 90°

SafeSite® LED Stainless Steel Linear - ATEX / IECEx
Light Distribution

Light Distribution Pattern

SafeSite® LED Stainless Steel Linear - ATEX / IECEx
Ordering Information

Part Number	Fixture Lumens	Emergency Mode Lumens	Wattage	Lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Light Distribution
Standard Models									
ELA-1C3R-SSCB	5,100		67	76	IP66/67	110-250 VAC	5000K (cool white)	Polycarbonate	Medium
ELA-1N3R-SSCB	5,100		67	76	IP66/67	110-250 VAC	4000K (neutral white)	Polycarbonate	Medium
ELA-1C3M-SSCB	2,600		34	76	IP66/67	110-250 VAC	5000K (cool white)	Polycarbonate	Medium
ELA-1N3M-SSCB	2,600		34	76	IP66/67	110-250 VAC	4000K (neutral white)	Polycarbonate	Medium
Emergency Models									
ELEA-2C4R-SSCB	5.100	271	70	73	IP66/67	230/240 VAC	5000K (cool white)	Polycarbonate	Medium
ELEA-2N4R-SSCB	5,100	271	70	73	IP66/67	230/240 VAC	4000K (neutral white)	Polycarbonate	Medium
ELEA-2C4M-SSCB	2,600	271	35	74	IP66/67	230/240 VAC	5000K (cool white)	Polycarbonate	Medium
ELEA-2N4M-SSCB	2,600	271	35	74	IP66/67	230/240 VAC	4000K (neutral white)	Polycarbonate	Medium

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

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