

# .....Dialight



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



JANUARY 2021



## Features & Benefits

- L70 rated for >150,000 hours @ 25°C ambient
- 5 year full warranty
- Significant energy savings
- Easy retrofit solution for existing fluorescent 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

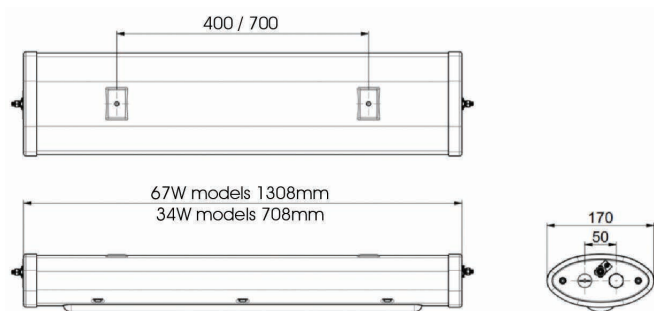
The Dialight SafeSite<sup>®</sup> LED Linear luminaire with its low profile, rugged design ensures long life and high reliability for a wide variety of Industrial area applications. Offered in 34W and 67W versions to replicate the light output of typical 2 x 18W & 2 x 36W fluorescent luminaires respectively,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

# SafeSite® LED Stainless Steel Linear - ATEX / IECEx

## Standard Models

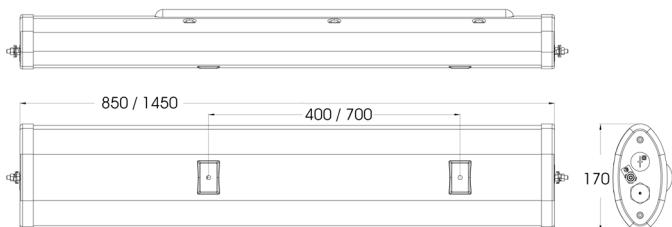


Standard Models



Dimensions in mm

Emergency Models



Dimensions in mm

### 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

### 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 M25 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:

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%)

\*@ 25°C ambient

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

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## Mounting Options and Accessories



### ELX-CMB-SS

- 316 Marine Grade stainless steel ceiling mount kit



### ELX-PC-SS-42

- 37Ø - 44mm range 316 Marine Grade stainless steel pole clamp



### ELX-WMB-SS-30

- 30° 316 Marine Grade stainless steel wall mount kit



### ELX-EYE-SS

- 316 Marine Grade stainless steel eyelet kit

### ELX-PC-SS-47

- 44Ø - 50mm range 316 Marine Grade stainless steel pole clamp

### ELX-WMB-SS-45

- 45° 316 Marine Grade stainless steel wall mount kit



### ELX-BATT-KIT

- 3.6V 10Ah NiMH battery kit

### ELX-PC-SS-54

- 50Ø - 58mm range 316 Marine Grade stainless steel pole clamp

### ELX-WMB-SS-60

- 60° 316 Marine Grade stainless steel wall mount kit

### ELX-PC-SS-59

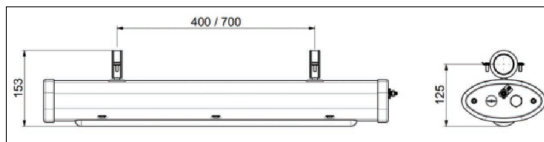
- 58Ø - 68mm range 316 Marine Grade stainless steel pole clamp

### ELX-WMB-SS-90

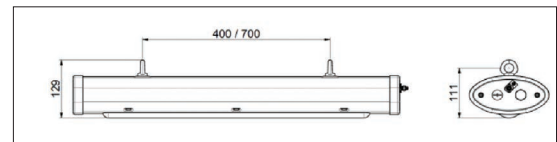
- 90° 316 Marine Grade stainless steel wall mount kit

## Mounting Options and Accessory Dimensions (mm)

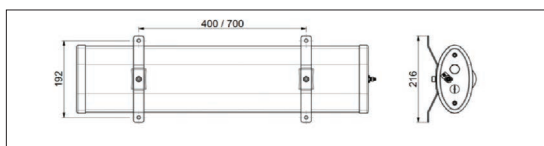
### Pole Clamp



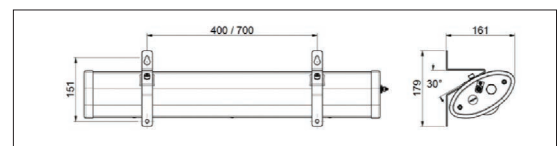
### Eyelet



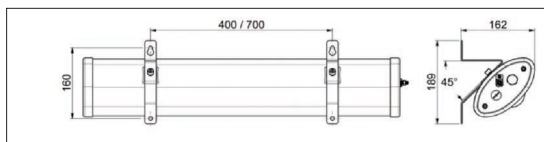
### Ceiling Mount



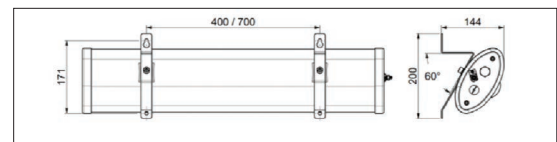
### Wall Mount Bracket 30°



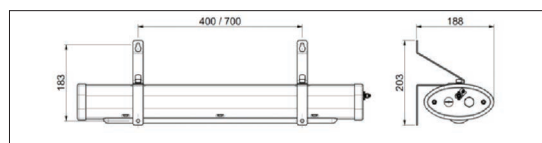
### Wall Mount Bracket 45°



### Wall Mount Bracket 60°



### Wall Mount Bracket 90°



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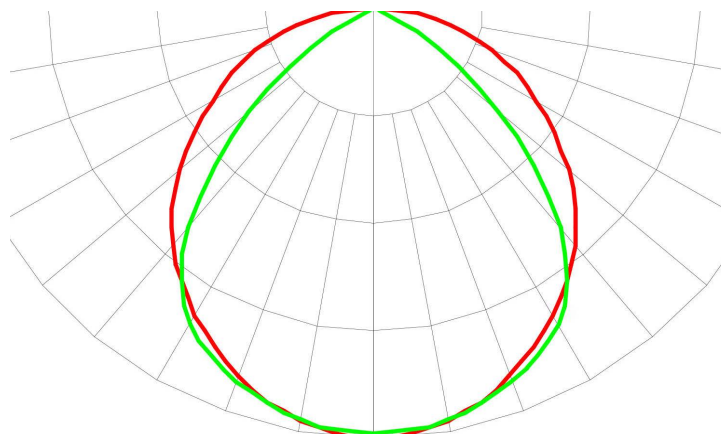
# SafeSite® LED Stainless Steel Linear - ATEX / IECEx

## Ordering Information

Current Part Number	Historic Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
<b>Standard Models</b>								
ELA-1C6R-SSCB4	ELA-1C3R-SSCB	5,100	67	76	110-250 VAC	5000K (cool white)	Polycarbonate	Medium
ELA-1N6R-SSCB4	ELA-1N3R-SSCB	4,800	67	72	110-250 VAC	4000K (neutral white)	Polycarbonate	Medium
ELA-1C6M-SSCB4	ELA-1C3M-SSCB	2,600	34	76	110-250 VAC	5000K (cool white)	Polycarbonate	Medium
ELA-1N6M-SSCB4	ELA-1N3M-SSCB	2,450	34	72	110-250 VAC	4000K (neutral white)	Polycarbonate	Medium
<b>Emergency Models</b>								
ELEA-2C7R-SSCB4	ELEA-2C4R-SSCB	5,100	70	73	230/240 VAC	5000K (cool white)	Polycarbonate	Medium
ELEA-2N7R-SSCB4	ELEA-2N4R-SSCB	4,800	70	68	230/240 VAC	4000K (neutral white)	Polycarbonate	Medium
ELEA-2C7M-SSCB4	ELEA-2C4M-SSCB	2,600	35	74	230/240 VAC	5000K (cool white)	Polycarbonate	Medium
ELEA-2N7M-SSCB4	ELEA-2N4M-SSCB	2,450	35	70	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

Light Distribution Pattern



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