

.....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 performance 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

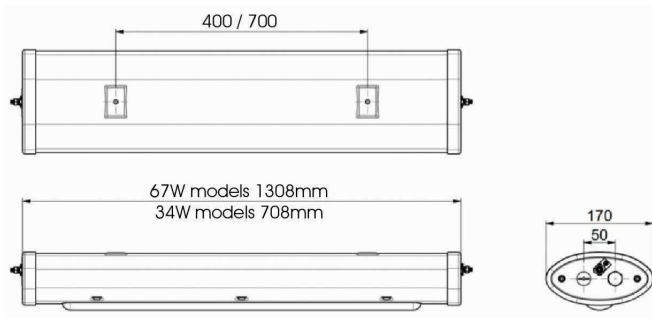
The Dialight SafeSite[®] LED Linear luminaire with its low profile, rugged design ensures long life and high reliability for a wide variety of Industrial area applications. Offered in 34W and 67W versions to replicate the light output of typical 2 x 18W & 2 x 36W fluorescent luminaires respectively,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

SafeSite® LED Stainless Steel Linear - ATEX / IECEx

Standard Models

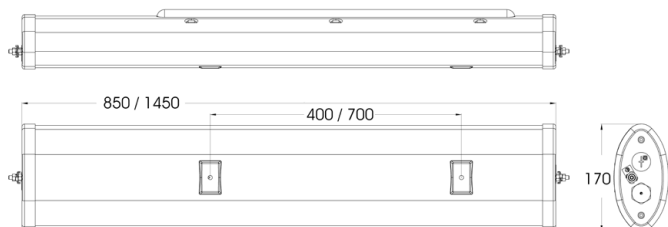


Standard Models



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 SIR12ATEX3217X
- ATEX Zones 1, 21
- ATEX Zones 2, 22
- CE
- EN 55015:2006
- EN 61547:2009
- EN 60598:2008
- IP66 / 67
- IK09 to EN50102
- C & D shock compliant to MOD specification BR8470

Mechanical Information:

Fixture weight:

Standard Models: 1308mm - 11.4kg (25.1lbs)
708mm - 6.5kg (15lbs)
Emergency Models: 1450mm - 14.2kg (31lbs)
850mm - 8.8kg (20lbs)

Shipping weight:

Standard Models: 1308mm - 14.2kg (31.3lbs)
708mm - 9.1kg (20lbs)
Emergency Models: 1450mm - 17.2kg (38lbs)
850mm - 11kg (20lbs)

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: 110-250V AC, 50/60 Hz
Emergency Models: 230-240V AC, 50/60 Hz

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

Lens¹:

High impact resistant polycarbonate

Mounting Brackets:

316L stainless steel

Safety Shackle:

Optional factory fitted stainless steel safety shackle with 1 metre safety cord

Photometric Information:

CRI:

70

CCT:

5000K (cool white)
4000K (neutral white)

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

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

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Mounting Options and Accessories



ELX-CMB-SS

- 316 Marine Grade stainless steel ceiling mount kit



ELX-PC-SS-42

- 40Ø - 45mm range 316 Marine Grade stainless steel pole clamp



ELX-WMB-SS-30

- 30° 316 Marine Grade stainless steel wall mount kit



ELX-EYE-SS

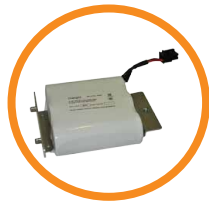
- 316 Marine Grade stainless steel eyelet kit

ELX-PC-SS-47

- 47Ø - 51mm 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

- 54Ø - 57mm 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

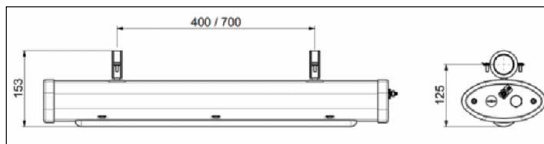
- 59Ø - 62mm range 316 Marine Grade stainless steel pole clamp

ELX-WMB-SS-90

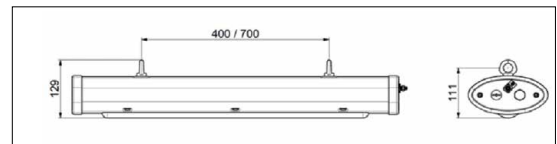
- 90° 316 Marine Grade stainless steel wall mount kit

Mounting Options and Accessory Dimensions (mm)

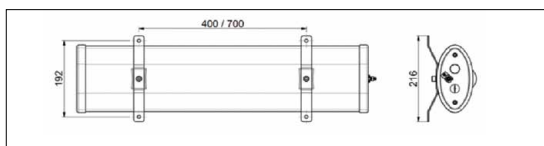
Pole Clamp



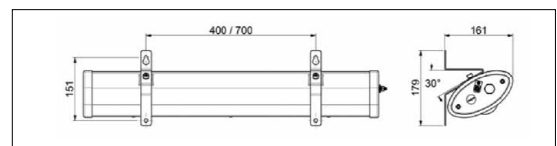
Eyelet



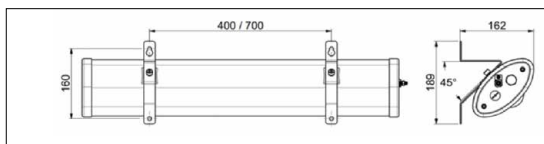
Ceiling Mount



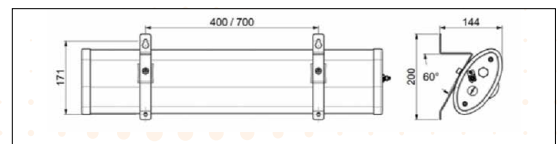
Wall Mount Bracket 30°



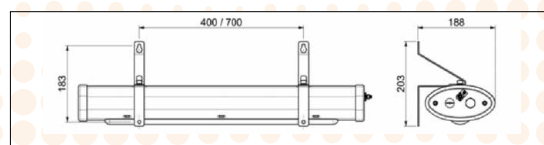
Wall Mount Bracket 45°



Wall Mount Bracket 60°



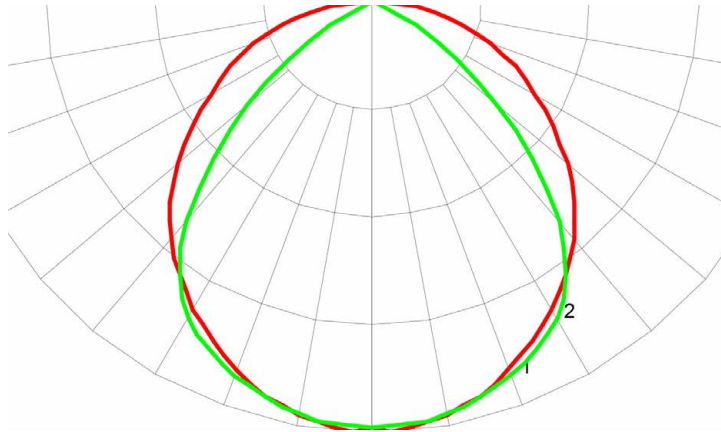
Wall Mount Bracket 90°



SafeSite® LED Stainless Steel Linear - ATEX / IECEx

Light Distribution

Light Distribution Pattern



SafeSite® LED Stainless Steel Linear - ATEX / IECEx

Ordering Information

Part Number	Initial 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	110-250V AC	5000K (cool white)	Polycarbonate	Circular
ELA-1N3R-SSCB	5,100		67	76	IP66/67	110-250V AC	4000K (neutral white)	Polycarbonate	Circular
ELA-1C3M-SSCB	2,600		34	76	IP66/67	110-250V AC	5000K (cool white)	Polycarbonate	Circular
ELA-1N3M-SSCB	2,600		34	76	IP66/67	110-250V AC	4000K (neutral white)	Polycarbonate	Circular
Emergency Models									
ELEA-2C4R-SSCB	5,100	271	70	73	IP66/67	230 / 240V AC	5000K (cool white)	Polycarbonate	Circular
ELEA-2N4R-SSCB	5,100	271	70	73	IP66/67	230 / 240V AC	4000K (neutral white)	Polycarbonate	Circular
ELEA-2C4M-SSCB	2,600	271	35	74	IP66/67	230 / 240V AC	5000K (cool white)	Polycarbonate	Circular
ELEA-2N4M-SSCB	2,600	271	35	74	IP66/67	230 / 240V AC	4000K (neutral white)	Polycarbonate	Circular

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

