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

JUNE 2020
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.

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
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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Certifications & Ratings
- Ex e mb IIC T4 Gb (Ta = -20°C to +60°C)
- Ex tb III 235°C Db (Ta = -20°C to +60°C)
- Certificate numbers:
  - IECEx SR 12,0092X
  - SIRA12ATEX3217X
- ATEX Zones 1, 21
- ATEX Zones 2, 22
- CE
  - EN 55015:2006
  - EN 61547:2009
  - EN 60598:2008
- IP66/67
- Iko7 to EN 50102
- C & D shock compliant to MOD specification BR9470

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

ELX-PC-SS-47
- 44Ø - 50mm range 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-54
- 50Ø - 58mm range 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-59
- 58Ø - 68mm 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

![Pole Clamp Image](Image)

### Eyelet

![Eyelet Image](Image)

### Ceiling Mount

![Ceiling Mount Image](Image)

### Wall Mount Bracket 30°

![Wall Mount Bracket 30° Image](Image)

### Wall Mount Bracket 45°

![Wall Mount Bracket 45° Image](Image)

### Wall Mount Bracket 60°

![Wall Mount Bracket 60° Image](Image)

### Wall Mount Bracket 90°

![Wall Mount Bracket 90° Image](Image)

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

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Emergency Mode Lumens</th>
<th>Wattage</th>
<th>Lm/W</th>
<th>IP Rating</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Light Distribution</th>
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<tr>
<td>ELA-1C3R-SSCB</td>
<td>5,100</td>
<td></td>
<td>67</td>
<td>76</td>
<td>IP66/67</td>
<td>110-250 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
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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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