SafeSite® 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® 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

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 SR 12.0092X
  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:
  Standard Models: 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 Shackles:
  Optional factory fitted stainless steel safety shackles 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.
## SafeSite® LED Stainless Steel Linear - ATEX / IECEx

### Mounting Options and Accessories

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELX-CMB-SS</td>
<td>316 Marine Grade stainless steel ceiling mount kit</td>
</tr>
<tr>
<td>ELX-EYE-SS</td>
<td>316 Marine Grade stainless steel eyelet kit</td>
</tr>
<tr>
<td>ELX-BATT-KIT</td>
<td>3.6V 10Ah NiMH battery kit</td>
</tr>
<tr>
<td>ELX-PC-SS-42</td>
<td>37Ø - 44mm range 316 Marine Grade stainless steel pole clamp</td>
</tr>
<tr>
<td>ELX-PC-SS-47</td>
<td>44Ø - 50mm range 316 Marine Grade stainless steel pole clamp</td>
</tr>
<tr>
<td>ELX-PC-SS-54</td>
<td>50Ø - 58mm range 316 Marine Grade stainless steel pole clamp</td>
</tr>
<tr>
<td>ELX-PC-SS-59</td>
<td>58Ø - 68mm range 316 Marine Grade stainless steel pole clamp</td>
</tr>
<tr>
<td>ELX-WMB-SS-30</td>
<td>30° 316 Marine Grade stainless steel wall mount kit</td>
</tr>
<tr>
<td>ELX-WMB-SS-45</td>
<td>45° 316 Marine Grade stainless steel wall mount kit</td>
</tr>
<tr>
<td>ELX-WMB-SS-60</td>
<td>60° 316 Marine Grade stainless steel wall mount kit</td>
</tr>
<tr>
<td>ELX-WMB-SS-90</td>
<td>90° 316 Marine Grade stainless steel wall mount kit</td>
</tr>
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</table>

### Mounting Options and Accessory Dimensions (mm)

#### Pole Clamp

<table>
<thead>
<tr>
<th>Option</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>ELX-CMB-SS</td>
<td>450 / 700</td>
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#### Eyelet

<table>
<thead>
<tr>
<th>Option</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>ELX-EYE-SS</td>
<td>450 / 700</td>
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</table>

#### Ceiling Mount

<table>
<thead>
<tr>
<th>Option</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>ELX-BATT-KIT</td>
<td>450 / 700</td>
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</table>

#### Wall Mount Bracket 30°

<table>
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<th>Option</th>
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</thead>
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<tr>
<td>ELX-WMB-SS-30</td>
<td>30° 450 / 700</td>
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#### Wall Mount Bracket 45°

<table>
<thead>
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<th>Option</th>
<th>Dimensions</th>
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<tr>
<td>ELX-WMB-SS-45</td>
<td>45° 450 / 700</td>
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#### Wall Mount Bracket 60°

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<thead>
<tr>
<th>Option</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>ELX-WMB-SS-60</td>
<td>60° 450 / 700</td>
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#### Wall Mount Bracket 90°

<table>
<thead>
<tr>
<th>Option</th>
<th>Dimensions</th>
</tr>
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<tbody>
<tr>
<td>ELX-WMB-SS-90</td>
<td>90° 450 / 700</td>
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</tbody>
</table>

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

### Ordering Information

<table>
<thead>
<tr>
<th>Current Part Number</th>
<th>Historic Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>Im/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
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<tbody>
<tr>
<td>Standard Models</td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ELA-1C6R-SSCB4</td>
<td>ELA-1C3R-SSCB</td>
<td>5,100</td>
<td>67</td>
<td>76</td>
<td>110-250 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
<tr>
<td>ELA-1N6R-SSCB4</td>
<td>ELA-1N3R-SSCB</td>
<td>4,800</td>
<td>67</td>
<td>72</td>
<td>110-250 VAC</td>
<td>4000K (neutral white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
<tr>
<td>ELA-1C6M-SSCB4</td>
<td>ELA-1C3M-SSCB</td>
<td>2,600</td>
<td>34</td>
<td>76</td>
<td>110-250 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
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<td>Emergency Models</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELEA-2C7R-SSCB4</td>
<td>ELEA-2C4R-SSCB</td>
<td>5,100</td>
<td>70</td>
<td>73</td>
<td>230/240 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
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<tr>
<td>ELEA-2N7R-SSCB4</td>
<td>ELEA-2N4R-SSCB</td>
<td>4,800</td>
<td>70</td>
<td>68</td>
<td>230/240 VAC</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-1C6R-SSCB-1

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www.dialight.com
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