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 27W and 54W 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
• 10 year 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
SafeSite® LED Stainless Steel Linear - ATEX / IECEx
Standard Models - Zone 2, 21 & 22

Certifications & Ratings
- Ex ec mc IEC T4 Gc
- Ex tb IIIC T135°C Db
  - II 3 G
  - II 2 D
- ATEX/IECEx Zones 2, 21 & 22
  - IECEx SIR 19.0002X
  - Sira 19ATEX0002X
  - Sira 19ATEX3003X
  - EN 60079-0:2018
  - EN 60079-7:2016+A1:2018
  - EN 60079-31:2014
  - CE
    - EN 55015:2013
    - EN 61547:2009
    - EN 60598-1:2015
- IP66/67
- IK07 to EN 62262

Mechanical Information:
- Fixture weight: 1308mm - 11.3 kg (25 lb)
  708mm - 6.8 kg (15 lb)
- Shipping weight: 1308mm - 14.1 kg (31 lb)
  708mm - 9.1 kg (20 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 entries at each end

Electrical Specifications:
- Operating Voltage: 100-277 VAC, 50/60Hz
- Total System Power Consumption: See table
- Operating Temp: -20°C to +60°C
- Noise Requirements/EMC: EN 55015:2013
  EN 61547:2009
  EN 61000-3-2:2014-05
- Transient Protection:
  - EN 61000-4-5:2014
  - 6 kV line-to-line
  - 6 kV line-to-ground
- Power Factor: > 0.9

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

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
  4000K (neutral white)
  2700K (warm white)

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

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.

www.dialight.com
**SafeSite® LED Stainless Steel Linear - ATEX / IECEx**

**Mounting Options and Accessories**

<table>
<thead>
<tr>
<th>Mounting Option</th>
<th>Description</th>
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<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-PC-SS-42</td>
<td>40ø - 45mm range 316 Marine Grade stainless steel pole clamp</td>
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<tr>
<td>ELX-PC-SS-47</td>
<td>47ø - 51mm range 316 Marine Grade stainless steel pole clamp</td>
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<tr>
<td>ELX-PC-SS-54</td>
<td>54ø - 57mm range 316 Marine Grade stainless steel pole clamp</td>
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<tr>
<td>ELX-PC-SS-59</td>
<td>59ø - 62mm range 316 Marine Grade stainless steel pole clamp</td>
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<tr>
<td>ELX-WMB-SS-30</td>
<td>30° 316 Marine Grade stainless steel wall mount kit</td>
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<tr>
<td>ELX-WMB-SS-45</td>
<td>45° 316 Marine Grade stainless steel wall mount kit</td>
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<tr>
<td>ELX-WMB-SS-60</td>
<td>60° 316 Marine Grade stainless steel wall mount kit</td>
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<tr>
<td>ELX-WMB-SS-90</td>
<td>90° 316 Marine Grade stainless steel wall mount kit</td>
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<table>
<thead>
<tr>
<th>Pole Clamp</th>
<th>Eyelet</th>
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<tbody>
<tr>
<td><img src="image1" alt="Pole Clamp Diagram" /></td>
<td><img src="image2" alt="Eyelet Diagram" /></td>
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<table>
<thead>
<tr>
<th>Ceiling Mount</th>
<th>Wall Mount Bracket 30°</th>
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<tr>
<td><img src="image3" alt="Ceiling Mount Diagram" /></td>
<td><img src="image4" alt="Wall Mount Bracket 30° Diagram" /></td>
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<table>
<thead>
<tr>
<th>Wall Mount Bracket 45°</th>
<th>Wall Mount Bracket 60°</th>
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<tbody>
<tr>
<td><img src="image5" alt="Wall Mount Bracket 45° Diagram" /></td>
<td><img src="image6" alt="Wall Mount Bracket 60° Diagram" /></td>
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<table>
<thead>
<tr>
<th>Wall Mount Bracket 90°</th>
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</thead>
<tbody>
<tr>
<td><img src="image7" alt="Wall Mount Bracket 90° Diagram" /></td>
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</tbody>
</table>

**DISCLAIMER.** All product information provided is, to the best of Dialight’s knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.
## SafeSite® LED Stainless Steel Linear - ATEX / IECEx

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>IP Rating</th>
<th>Voltage</th>
<th>Color Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
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<tbody>
<tr>
<td>SBB5MC26NCN1NN</td>
<td>5,400</td>
<td>54</td>
<td>100</td>
<td>IP66/67</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
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<tr>
<td>SAB5MC23NCN1NN</td>
<td>2,700</td>
<td>27</td>
<td>100</td>
<td>IP66/67</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Polycarbonate</td>
<td>Medium</td>
</tr>
</tbody>
</table>
WARNING / DISCLAIMERS:

**Installation & secondary retention.** The use of this product 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) as applicable. Dialight products are intended for ultimate purchase, installation and operation by knowledgeable persons trained in the functional assessment, installation, use and maintenance of such products and all customers (including but not limited to end customers) are responsible for assessing the suitability of Dialight products for any given installation requirement. 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 as appropriate) and in compliance with all applicable laws and regulations.

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