SafeSite® LED Linear Fixture - UL 844
for Indoor and Outdoor Hazardous Applications
**Features & Benefits**

- 5-year warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Instant on/off operation
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life

**Application**

The SafeSite® LED Linear fixture’s rugged solid state design makes it highly resistant to shock and vibration. Its fully gasketed IP66/67 rated enclosure makes it suitable for dust & wet locations, its 1598/A rating guarantees added protection from salt water spray. The SafeSite® LED Linear’s superior design allows for wiring and mounting versatility and ease of installation for many lighting applications.
**Mechanical Information:**

- **Fixture weight:**
  - 4' - 10 lb (4.5 kg)
  - 2' - 7 lb (3.2 kg)
- **Shipping weight:**
  - 4' - 11 lb (5.0 kg)
  - 2' - 8 lb (3.6 kg)
- **Mounting:**
  - (4) 3/4" NPT openings
  - Optional swivel bracket - LPXW4
  - Optional low profile bracket - LPXW4LP

**Electrical Specifications:**

- **Operating voltage:**
  - 100-277 VAC, 50/60Hz
- **Power consumption:**
  - See ordering information
- **Operating temp:**
  - -40°F to +149°F (-40°C to +65°C)
- **Harmonics:**
  - IEC 61000-3-2
- **Noise Requirements/EMC:**
  - FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
- **Surge protection:**
  - EN 61000-4-5
  - 4 kV line-to-line
  - 4 kV line-to-ground
- **THD:**
  - < 20%
- **Power factor:**
  - > 0.9

**Construction:**

- **Finish:** Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- **Lens:**
  - Polycarbonate

**Photometric Information:**

- **CRI:**
  - 80
- **CCT:**
  - 5000K (cool white)
  - 4000K (neutral white)
- **IES files:**
  - Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)
SafeSite LED Linear - UL 844
Top Conduit - Class I, Div. 2 / Class II

Certifications & Ratings
- UL 1598A
- UL 844
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66
- Class I, Div. 2 Groups A, B, C & D
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups F & G
- Class III
- NEMA 4X

Mechanical Information:
- Fixture weight:
  4’ - 10 lb (4.5 kg)
  2’ - 7 lb (3.2 kg)
- Shipping weight:
  4’ - 11 lb (5.0 kg)
  2’ - 8 lb (3.6 kg)
- Mounting:
  (3) 3/4" NPT openings
  Optional swivel bracket - LTXW4
  Optional low profile bracket - LTXW4LP

Electrical Specifications:
- Operating voltage: 100-277 VAC, 50/60Hz
- Power consumption: See ordering information
- Operating temp: -40°F to +149°F (-40°C to +65°C)
- Harmonics: IEC 61000-3-2
- Noise Requirements/EMC:
  FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
- Surge protection: EN 61000-4-5
  4 kV line-to-line
  4 kV line-to-ground
- THD: < 20%
- Power factor: > 0.9

Construction:
- Finish: Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- Lens: Polycarbonate

Photometric Information:
- CRI: 80
- CCT:
  5000K (cool white)
  4000K (neutral white)
- IES files: Available at www.dialight.com

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.
SafeSite LED Linear - UL 844
Battery Backup - Class I, Div. 2 / Class II

Certifications & Ratings
- UL 1598/A
- UL 844
- UL 924
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- IP66
- Class I, Div. 2 Groups A, B, C & D
- Class II, Div. 1 Groups E, F & G
- Class II, Div. 2 Groups E, F & G
- Class III
- NEMA 4X

Mechanical Information:
- Fixture weight: 18 lb (8.2 kg)
- Shipping weight: 21 lb (9.5 kg)
- Mounting: (1) Threaded 3/4" NPT side
  (2) Threaded 3/4" NPT ends

Electrical Specifications:
- Operating voltage: 120-277 VAC, 50/60Hz
- Power consumption: 85W
- Operating temp: -4°F to +149°F (-20°C to +65°C)
- Battery: 3.6V 10Ah NiMH
- Expected battery life*: 3 years
- Battery duration*: > 3 hours
- Harmonics: IEC 61000-3-2
- Noise Requirements/EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
- Surge protection: EN 61000-4-5
  1 kV line-to-line
  2 kV line-to-ground
- THD: < 20%
- Power factor: > 0.9

Construction:
- Finish: Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- Lens: Polycarbonate

Photometric Information:
- CRI: 75
- CCT: 5000K (cool white)
- IES files: available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

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SafeSite LED Linear - UL 844
Battery Backup - Class I, Div. 1

Certifications & Ratings
- UL 1598/A
- UL 844
- CSA C22.2 No. 137
- CSA C22.2 No. 250
- Class I, Div. 1 Groups C & D
- Class I, Div. 2 Groups A, B, C & D
- IP66
- NEMA 4X

Mechanical Information:
- Fixture weight: 32 lb (14.5 kg)
- Shipping weight: 35 lb (15.9 kg)
- Mounting: (1) Threaded 3/4" NPT side
  (2) Threaded 3/4" NPT ends

Electrical Specifications:
- Operating voltage: 120-277 VAC, 50/60Hz
- Power consumption: 85W
- Operating temp: -4°F to +149°F (-20°C to +65°C)
- Battery: 3.6V 10Ah NiMH
- Expected battery life*: 3 years
- Lumen output in battery mode: 500lm
- Battery duration*: > 3 hours
- Harmonics: IEC 61000-3-2
- Noise Requirements/EMC: FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
- Surge protection: EN 61000-4-5
  1 kV line-to-line
  2 kV line-to-ground
- THD: < 20%
- Power factor: > 0.9

Construction:
- Finish: Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- Lens: Tempered glass

Photometric Information:
- CRI: 75
- CCT: 5000K (cool white)
- IES files: available at www.dialight.com

Dimensions in inches [mm]

Temperature Ratings
Ambient Temperature Range T4A Temperature Code
-4°F to +149°F (-20°C to +65°C)

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www.dialight.com
SafeSite LED Linear - UL 844
Mounting and Accessories

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**Low Profile Linear**

- **LPXW4LP**
  - 316 Stainless steel low profile mounting bracket
  - Can be angled at 0° and 15°

- **LPXW4**
  - 316 Stainless steel mounting bracket
  - Can be angled at 0°, 30°, 45°, 60° & 90°

- **LTXSAFEKIT**
  - Safety cable kit for secondary retention

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**Top Conduit Linear**

- **LTXW4SS**
  - 316 Stainless steel mounting bracket
  - Can be angled at 0°, 30°, 45°, 60° and 90°

- **LTXW4LP**
  - Aluminum low profile mounting bracket
  - Can be angled at 0° and 15°

- **LTXSAFEKIT**
  - Safety cable kit for secondary retention

- **LTXENDCAPKIT**
  - 304 Stainless steel chain mount and secondary retention bracket

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**Retrofit Bracket Adapter**

- **LTXLSXW4**
  - Retrofit bracket adapter used to connect LTM model fixtures to an existing LSXW4 bracket

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www.dialight.com
SafeSite LED Linear - UL 844
Mounting and Accessories

Battery Backup Linear

- **LSXW4**
  - Aluminum mounting bracket
  - Can be angled at 0°, 30°, 45°, 60° and 90°

- **LSXENDCAPKIT**
  - 304 Stainless steel chain mount brackets

- **HZXSAFEKIT**
  - Safety cable kit

Class I, Div. 1

- **LSXW5**
  - Aluminum mounting bracket
  - Can be angled at 0°, 30°, 45°, 60° & 90°

- **HZXSAFEKIT**
  - Safety cable kit

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### SafeSite LED Linear - UL 844

#### Low Profile - Class I, Div. 2 / Class II - Ordering Information

Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Length</th>
<th>CRI</th>
<th>CID1</th>
<th>CID2</th>
<th>CIID1</th>
<th>CIID2</th>
<th>CIII</th>
<th>Fixture Lumens</th>
<th>Watt</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
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<tr>
<td><strong>Class I, Div. 2 Models</strong></td>
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</tbody>
</table>

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%). Part numbers listed in the table above are cool white. For neutral white model, replace the 5th character with N. Ex. LPD3C4M2P becomes LPD3N4M2P

**Beam Distribution**

#### Circular Pattern

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www.dialight.com
SafeSite LED Linear - UL 844
Top Conduit - Class I, Div. 2 / Class II - Ordering Information

Classifications:  CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CII

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<th>CID2</th>
<th>CIID1</th>
<th>CIID2</th>
<th>CIII</th>
<th>Fixture Lumens</th>
<th>Watt</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
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<td>3,500</td>
<td>29</td>
<td>121</td>
<td>5000K (cool white)</td>
<td>Diffused</td>
<td>Medium</td>
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<tr>
<td>LTD3N4D2P</td>
<td>2’</td>
<td>80</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>3,600</td>
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<td>124</td>
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<tr>
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<tr>
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<td>5000K (cool white)</td>
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<tr>
<td>LTF3C4B2W</td>
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<td>5000K (cool white)</td>
<td>Diffused</td>
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<td>4000K (neutral white)</td>
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<td>4000K (neutral white)</td>
<td>Diffused</td>
<td>Medium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated. Lumen values are typical (tolerance +/- 10%).
Part numbers listed in the table above are cool white. For neutral white model, replace the 5th character with N. Ex. LTD3C4D2P becomes LTD3N4D2P

Beam Distribution

[Diagram of Circular Pattern]
SafeSite LED Linear - UL 844

Battery Backup - Ordering Information

Classifications: CID1, C, D  •  CID2 A, B, C, D  •  CIID1 E, F, G  •  CIID2 F, G  •  CIID1  •  CIID2

This fixture is offered in sustained and maintained configurations. Sustained has a single AC input and battery backup mode is entered upon any loss of power. Fixture cannot be turned off without entering battery backup mode. Maintained has two AC inputs. The fixture can be turned on and off via AC-1 and Fixture only enters battery backup mode when AC-2 is lost or low.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Length</th>
<th>CRI</th>
<th>Type</th>
<th>CID1</th>
<th>CID2</th>
<th>CIID1</th>
<th>CIID2</th>
<th>Voltage</th>
<th>Lens</th>
<th>CCT</th>
<th>Lumens</th>
<th>Watt</th>
<th>lm/W</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSC3C4MEGEX</td>
<td>4’</td>
<td>75</td>
<td>Sustained</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td>120-277 VAC</td>
<td>Clear</td>
<td>5000K (cool white)</td>
<td>7,250</td>
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<td>85</td>
<td>Medium</td>
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<tr>
<td>LSD3C4MEP</td>
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<td>75</td>
<td>Sustained</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td>120-277 VAC</td>
<td>Clear</td>
<td>5000K (cool white)</td>
<td>7,000</td>
<td>85</td>
<td>82</td>
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<td>Maintained</td>
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<td></td>
<td></td>
<td>120-277 VAC</td>
<td>Clear</td>
<td>5000K (cool white)</td>
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<td>Medium</td>
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<td>75</td>
<td>Sustained</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td>120-277 VAC</td>
<td>Clear</td>
<td>5000K (cool white)</td>
<td>7,000</td>
<td>85</td>
<td>82</td>
<td>Medium</td>
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<tr>
<td>LSF3C4MNP</td>
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<td>75</td>
<td>Maintained</td>
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<td></td>
<td>120-277 VAC</td>
<td>Clear</td>
<td>5000K (cool white)</td>
<td>7,000</td>
<td>85</td>
<td>82</td>
<td>Medium</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%). Part numbers listed in the above table are cool white. For neutral white models replace the 5th character with N. Ex. LSF3C4MEP becomes LSF3N4MEP.

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**SafeSite LED Linear - UL 844**  
Class I, Div. 1 - Ordering Information

Classifications: CID1 C, D

<table>
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<th>Part Number</th>
<th>Length</th>
<th>CRI</th>
<th>CID1</th>
<th>CID2</th>
<th>CID1</th>
<th>CID2</th>
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<th>CID2</th>
<th>CID1</th>
<th>CID2</th>
<th>Voltage</th>
<th>Lens</th>
<th>CCT</th>
<th>Lumens</th>
<th>Watt</th>
<th>lm/W</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td><strong>100-277 VAC Models</strong></td>
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<td></td>
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<tr>
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<td></td>
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<td></td>
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<td>100-277 VAC</td>
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<td>5000K (cool white)</td>
<td>7,250</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>100-277 VAC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>3,600</td>
<td>34</td>
<td>106</td>
<td>Medium</td>
</tr>
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<td><strong>347/480 VAC Models</strong></td>
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<td></td>
</tr>
<tr>
<td>LSC3C5M3GEX</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>347/480 VAC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>7,250</td>
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<td></td>
<td></td>
<td></td>
<td>347/480 VAC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>3,600</td>
<td>50</td>
<td>72</td>
<td>Medium</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated. Lumen values are typical (tolerance +/- 10%). Part numbers listed in the table above are cool white. For neutral white, model replace the 5th character with N. Ex. LSC3C4D3GEX becomes LSC3N4D3GEX

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**Beam Distribution**

Circular

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