

# SafeSite® LED Linear Fixture - UL 844

for Indoor & Outdoor Hazardous Applications





### **Features & Benefits**

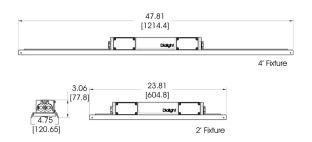
- 5-year warranty
- L70 rated for >100,000 hours @
  25°C ambient
- Instant on/off operation
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life

### **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.

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





Dimensions in inches [mm]

Temperature Ratings											
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code										
-4°F to +149°F (-20°C to +65°C)	-4°F to +113°F (-20°C to +45°C)										

#### **Certifications & Ratings**

• UL 1598/A

• UL 844

• CSA C22.2 No. 137

• CSA C22.2 No. 250

• IP66 / 67

• 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: (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)

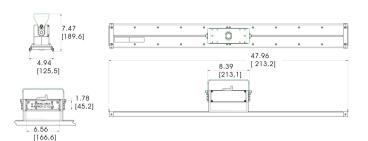
**IES files:** Available at www.dialight.com

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

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.

### Top Conduit - Class I, Div. 2 / Class II





Dimensions in inches [mm]

Temperatu	ıre Ratings
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)

#### **Certifications & Ratings**

• UL 1598/A

• 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)

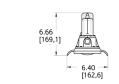
IES files: Available at www.dialight.com

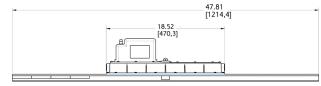
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### Battery Backup - Class I, Div. 2 / Class II







Dimensions in inches [mm]

#### **Temperature Ratings**

Ambient Temperature Range T4 Temperature Code

-40°F to +149°F (-40°C to +65°C)

#### **Certifications & Ratings**

• UL 1598/A

• UL 844

• UL 924

• CSA C22.2 No. 137

CSA C22.2 No. 250IP66

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: 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 topcoatChemical resistant epoxy primer

Lens: Polycarbonate

#### **Photometric Information:**

**CRI:** 75

CCT: 5000K (cool white)

**IES files:** available at www.dialight.com

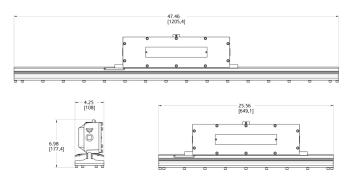
All values typical unless otherwise stated (tolerance +/- 10%)

\* @ 25°C ambient

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### Class I, Div. 1





Dimensions in inches [mm]

Temperature Ratings											
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code										
-40°F to +149°F (-40°C to +65°C)	-40°F to +113°F (-40°C to +45°C)										

#### **Certifications & Ratings**

• UL1598

• Class I, Div. 1 Groups C & D

• UL844

• CSA C22.2 No. 137

• NEMA 4X

• IP66

#### **Mechanical Information:**

**Fixture weight:** 4' - 26 lb (11.8 kg)

2' - 17.5 lb (7.9 kg)

**Shipping weight:** 4' - 28 lb (12.7 kg)

2' - 19.5 lb (8.8 kg)

**Mounting:** (1) Threaded 3/4" NPT side

(2) Threaded 3/4" NPT ends

#### **Electrical Specifications:**

Operating voltage: 100-277 VAC, 50/60Hz or

347/480 VAC, 50/60Hz

**Power consumption:** See ordering information

**Operating temp:**  $-40^{\circ}\text{F to } +149^{\circ}\text{F } (-40^{\circ}\text{C to } +65^{\circ}\text{C})$ 

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: Glass

#### **Photometric Information:**

**CRI:** 75

CCT: 5000K (cool white) 400K (neutral white)

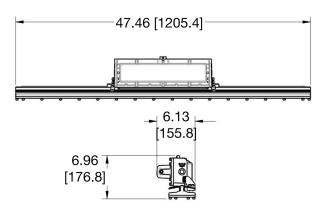
IES files: Available upon request

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

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### Battery Backup - Class I, Div. 1





Dimensions in inches [mm]

### **Temperature Ratings**

Ambient Temperature Range T4A Temperature Code

-4°F to +149°F (-20°C to +65°C)

#### **Certifications & Ratings**

UL 1598/A
 Class I, Div. 1 Groups C & D
 UL 844
 Class I, Div. 2 Groups A, B, C & D

CSA C22.2 No. 137
 CSA C22.2 No. 250
 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:**  $-4^{\circ}F$  to  $+149^{\circ}F$  (-20°C to  $+65^{\circ}C$ )

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 topcoatChemical resistant epoxy primer

Lens: Tempered glass

#### **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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### **Mounting and Accessories**

#### 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



#### **LTXENDCAPKIT**

304 Stainless steel chain mount and secondary retention bracket

#### Top Conduit Linear



#### LTXW4SS

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

#### LTXW4

- Aluminum 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



#### LTXLSXW4

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

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# **Mounting and Accessories**

#### Class I, Div. 2 / Class II, Div. 1 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



#### LSXBATREP1

• Battery Replacement Kit for CID2/CIID1 Linear

#### Class I, Div. 1 (Standard & BB Model)



#### LSXW5

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



#### **HZXSAFEKIT**

· Safety cable kit



#### LSXBATREP2

• Battery Replacement Kit for CID1 Linear

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

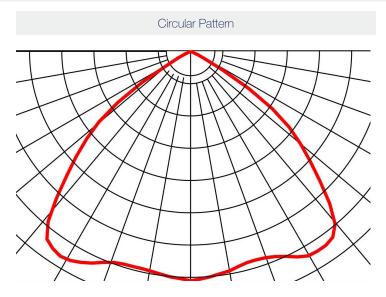
Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Fixture Lumens	Watt	lm/W	Voltage	ССТ	Lens	Beam Distribution
								Class I,	Div. 2 N	/lodels				
LPD3C4M2P	4'	80		•		•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LPD3C4H2W	4'	80		•		•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LPD3N4M2P	4'	80		•		•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LPD3N4H2W	4'	80		•		•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LPD3C4D2P	2'	80		•		•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LPD3C4B2W	2'	80		•		•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LPD3N4D2P	2'	80		•		•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LPD3N4B2W	2'	80		•		•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium
								Class II,	Div. I N	/lodels				
LPF3C4M2P	4'	80			•	•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LPF3C4H2W	4'	80			•	•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LPF3N4M2P	4'	80			•	•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LPF3N4H2W	4'	80			•	•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LPF3C4D2P	2'	80			•	•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LPF3C4B2W	2'	80			•	•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LPF3N4D2P	2'	80			•	•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LPF3N4B2W	2'	80			•	•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium

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. LPD3Q4M2P becomes LPD3N4M2P

#### **Beam Distribution**



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# Top Conduit - Class I, Div. 2 / Class II - Ordering Information

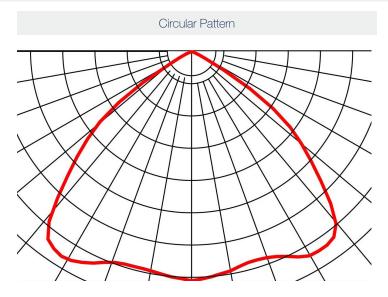
Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Fixture Lumens	Watt	lm/W	Voltage	ССТ	Lens	Beam Distribution
Class I, Div. 2 Models														
LTD3C4M2P	4'	80		•		•	•	7,900	7,900 60		100-277 VAC	5000K (cool white)	Clear	Medium
LTD3C4H2W	4'	80		•		•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LTD3N4M2P	4'	80		•		•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LTD3N4H2W	4'	80		•		•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LTD3C4D2P	2'	80		•		•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LTD3C4B2W	2'	80		•		•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LTD3N4D2P	2'	80		•		•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LTD3N4B2W	2'	80		•		•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium
								Class II,	Div. I N	/lodels				
LTF3C4M2P	4'	80			•	•	•	7,900	60	132	100-277 VAC	5000K (cool white)	Clear	Medium
LTF3C4H2W	4'	80			•	•	•	7,100	60	118	100-277 VAC	5000K (cool white)	Diffused	Medium
LTF3N4M2P	4'	80			•	•	•	7,300	60	122	100-277 VAC	4000K (neutral white)	Clear	Medium
LTF3N4H2W	4'	80			•	•	•	6,700	60	112	100-277 VAC	4000K (neutral white)	Diffused	Medium
LTF3C4D2P	2'	80			•	•	•	3,850	29	133	100-277 VAC	5000K (cool white)	Clear	Medium
LTF3C4B2W	2'	80			•	•	•	3,500	29	121	100-277 VAC	5000K (cool white)	Diffused	Medium
LTF3N4D2P	2'	80			•	•	•	3,600	29	124	100-277 VAC	4000K (neutral white)	Clear	Medium
LTF3N4B2W	2'	80			•	•	•	3,300	29	114	100-277 VAC	4000K (neutral white)	Diffused	Medium

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. LTD3Q4D2P becomes LTD3N4D2P

#### **Beam Distribution**



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### **Battery Backup - Ordering Information**

Classifications: CID1 C, D • CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIIID1 • CIIID2

This fixture is offered in sustained and maintained configurations.

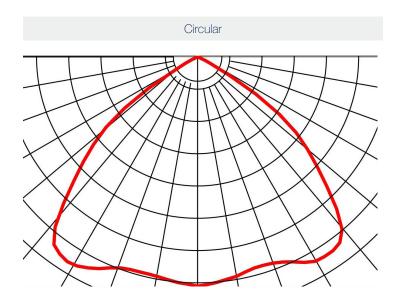
Sustained has a single AC input and battery backup mode is entered upon any loss of power. Fixture cannot be turned off without entering battery backup mode. Maintained has two AC inputs. The fixture can be turned on and off via AC-1 and Fixture only enters battery backup mode when AC-2 is lost or low.

Part Number	Length	CRI	Туре	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	ССТ	Fixture Lumens	Watt	lm/W	Beam Distribution
Class I, Div. 1 Models															
LSC3C4MEGEX	4'	75	Sustained	•					120-277 VAC	Clear	5000K (cool white)	7,250	85	85	Medium
	Class I, Div. 2 Models														
LSD3C4MEP	4'	75	Sustained		•				120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium
LSD3C4MNP	4'	75	Maintained		•				120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium
	Class II Models														
LSF3C4MEP	4'	75	Sustained			•	•	•	120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium
LSF3C4MNP	4'	75	Maintained			•	•	•	120-277 VAC	Clear	5000K (cool white)	7,000	85	82	Medium

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

#### **Beam Distribution**



DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to <a href="www.dialight.com">www.dialight.com</a> for current versions of: (a) 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 <a href="www.dialight.com">www.dialight.com</a> 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 <a href="www.dialight.com">www.dialight.com</a>, the latter shall prevail.

### Class I, Div. 1 - Ordering Information

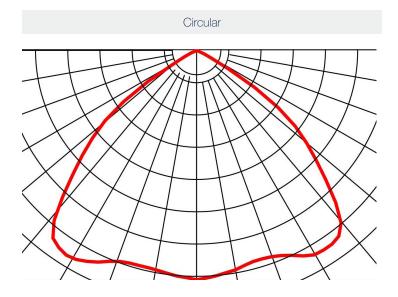
Classifications: CID1 C, D

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	ССТ	Fixture Lumens	Watt	lm/W	Beam Distribution
100-277 VAC Models														
LSC3C4M3GEX	4'	75	•					100-277 VAC	Tempered glass	5000K (cool white)	7,250	68	106	Medium
LSC3C4D3GEX	2'	75	•					100-277 VAC	Tempered glass	5000K (cool white)	3,600	34	106	Medium
347/480 VAC Models														
LSC3C5M3GEX	4'	75	•					347/480 VAC	Tempered glass	5000K (cool white)	7,250	100	72	Medium
LSC3C5D3GEX	2'	75	•					347/480 VAC	Tempered glass	5000K (cool white)	3,600	50	72	Medium

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. LSC3Q4D3GEX becomes LSC3N4D3GEX

#### **Beam Distribution**



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