



Patent Pending

## SafeSite<sup>®</sup> LED Linear Fixture - UL 844 for Indoor and Outdoor Hazardous Locations











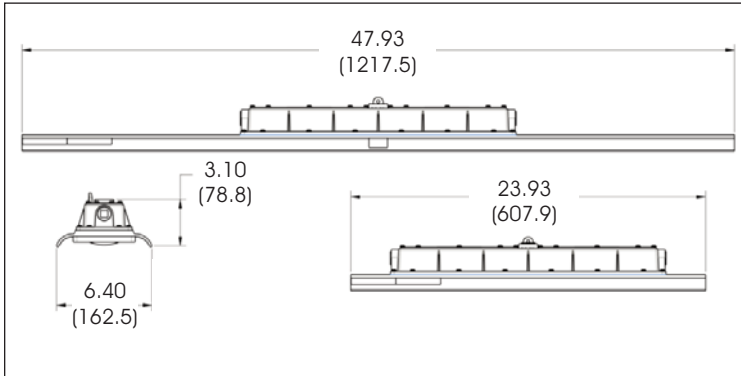
## SafeSite® LED Linear Fixture

Class II, Div. 1 / 2

### Application

The first of its kind, Dialight's SafeSite® LED linear fixture replaces HID and fluorescent lighting fixtures in industrial applications and hazardous location applications.

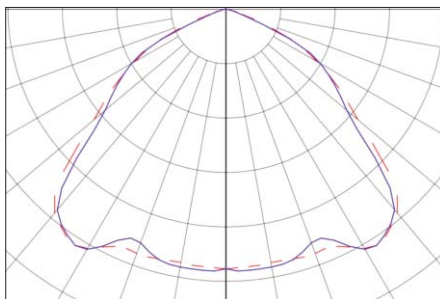
The SafeSite LED Linear fixture's rugged solid state design makes it highly resistant to shock and vibration. Its fully gasketed IP 66 rated enclosure makes it suitable for dust & wet locations, its 1598A rating guarantees added protection from salt water spray. The SafeSite LED Linear's superior design allows for mounting versatility and ease of installation for many lighting applications.



### Certifications & Ratings

- Class II Div. 1 Groups E, F, G
- Class II Div. 2 Groups F, G
- Class III Div. 1
- Class III Div. 2
- UL 1598/A
- UL 844
- UL 8750
- CSA 22.2 No.137-M81
- IP 66 rated
- NEMA 4X rated

### Candela Plot



### Mechanical Information

Fixture Weight:	17 lbs (7.71 kg) 4'
	12 lbs (5.44 kg) 2'
Shipping Weight:	19 lbs (8.62 kg) 4'
	14 lbs (6.35 kg) 2'
Mounting:	(3) 3/4" NPT openings Optional swivel bracket - LSXW4
Cabling:	10' (3.5m) SOOW Power cord (for Gx and Cx Models)

### Electrical Specifications

Operating Voltage:	100 - 277V AC 50/60Hz or 347 - 480V AC 50/60Hz
Power Consumption:	See ordering information
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	EC 61000-3-2
Surge Protection	EN 61000-4-5 6 kV line to line 6 kV line to ground
THD:	< 15%
Power Factor:	> 0.9

Power supply equipped with inline fuse

### Construction

Body:	Powder coated aluminum
Lens:	Polycarbonate

### Photometric Information

CRI:	70
CCT:	5,650K (cool white)
IES Files:	Available upon request

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

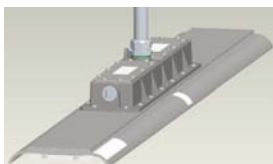
### Temperature Ratings

Ambient Temperature Range  
T5 Temperature Code

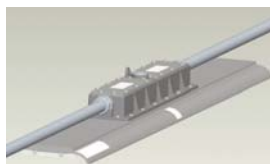
-40°F to +149°F (-40°C to +65°C)

## Mounting Options

### Conduit Top Mount



### Conduit Side Mount



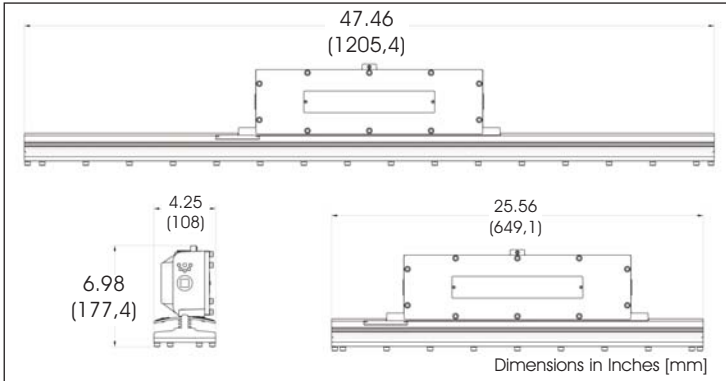
### LSXW4





## SafeSite® LED Linear Fixture

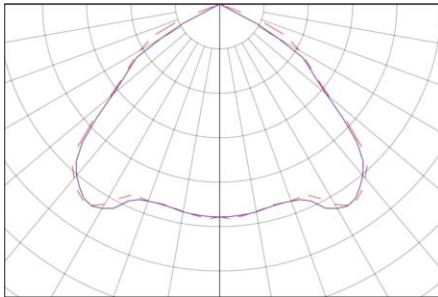
### Class I, Div. 1



#### Certifications

- Class I, Div 1 Groups C, D
- UL 844
- UL1598
- CSA 22.2 No.137-M81
- UL 8750
- ABS Design Assessed: # 12-HS942957-PDA
- IP66 rated
- NEMA 4X rated

#### Candela Plot



#### Application

The first of its kind, the Dialight SafeSite® LED linear luminaire was designed specifically to replace HID and fluorescent lighting fixtures in industrial and hazardous location applications.

The SafeSite LED Linear fixture's rugged solid state design makes it highly resistant to shock and vibration, while its superior design allows for increased mounting versatility and ease of installation.

#### Mechanical Information

Fixture Weight:	26.0 lbs (11.79 kg) 4' 17.5 lbs (7.94 kg) 2'
Shipping Weight:	28.0 lbs (12.70 kg) 4' 19.5 lbs (8.85 kg) 2'
Mounting:	(1) Threaded 3/4" NPT Side (2) Threaded 3/4" NPT Ends

#### Electrical specifications:

Operating Voltage:	100 - 277V AC 50/60Hz or 347 - 480V AC 50/60Hz
Power Consumption:	See ordering information
Operating Temp:	-40°F to +149°F (-40°C to +65°C)
Harmonics:	IEC 61000-3-2
Surge Protection	EN 61000-4-5 6 kV line to line 6 kV line to ground

THD:	< 15%
Power Factor:	> 0.9

#### Construction

Body:	Powder Coated Aluminum
Lens:	Glass

#### Photometric Information

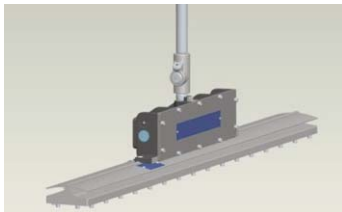
CRI:	70
CCT:	5,650K (cool white)
IES Files:	Available upon request

All values typical unless otherwise state  
All lumen values are typical (tolerance +/- 10%)

#### Temperature Ratings

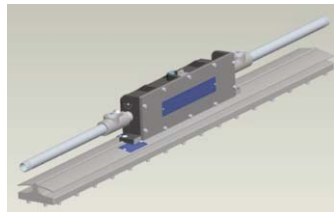
LSC3C4M3GEX (4ft) Ambient Temperature Range T4a Temperature Code	LSC3C4D3GEX (2ft) Ambient Temperature Range T5 Temperature Code
-40°F to +149°F (-40°C to +65°C)	-40°F to +149°F (-40°C to +65°C)

#### Conduit Top Mount

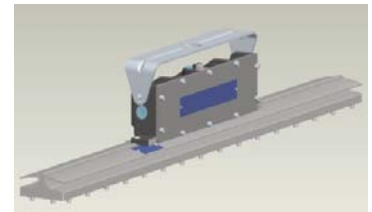


#### Mounting Options

#### Conduit Side Mount



#### LSXW5



# SafeSite® LED Linear Fixture

## Class I Div. 2 Ordering Information

Part Number	Length	Type	Voltage	Lens	Initial Fixture Lumens	Watt	Lumens Per Watt
Class I, Div 2							
LTD3C4D2P	2'		100 - 277V AC	Clear	3,500	33	106
LTD3C4M2P	4'		100 - 277V AC	Clear	7,000	66	106
LTD3C4B2D	2'		100 - 277V AC	Diffused	2,700	33	82
LTD3C4H2D	4'		100 - 277V AC	Diffused	5,400	66	82
Battery Back Up Version							
LSD3C4MEP	4'	Sustained	100 - 277V AC	Clear	7,000	85	85
LSD3C4MNP	4'	Maintained	100 - 277V AC	Clear	7,000	85	85

**Notes:**

Part numbers listed in the above table are cool white. For neutral white version replace the 5th character with **N**. Ex. LSD3**C**4MEP becomes LSD3**N**4MEP

\*450 Lumens in Battery Backup mode

Expect a 10% reduction in Lumens for 80 CRI minimum fixtures

\*All lumen values are typical (tolerance +/- 10%)

\*See application note on page 3 regarding "sustained" and "maintained" battery modes

## Class II Div. 1 / 2 Ordering Information

Part Number	Length	Class II, Div 1	Class II, Div 2	Class III, Div 1	Class III, Div 2	Voltage	Lens	Initial Fixture Lumens	Watt	Lumens Per Watt
Class II, Div 1 / 2										
LSF3C4D2P	2'	E / F / G	F / G	•	•	100 - 277V AC	Clear	3,600	39	92
LSF3C4M2P	4'	E / F / G	F / G	•	•	100 - 277V AC	Clear	7,250	78	93
LSF3C5D2P	2'	E / F / G	F / G	•	•	347 - 480V AC	Clear	3,600	39	92
LSF3C5M2P	4'	E / F / G	F / G	•	•	347 - 480V AC	Clear	7,250	78	93

**Notes:**

Part numbers listed in the above table are cool white. For neutral white version replace the 5th character with **N**. Ex. LSF3**C**4D2P becomes LSF3**N**4D2P

## Class II Div. 1 / 2 Wiring Configurations (Optional)



Add one of the following suffixes to the above Part Numbers for factory sealed and installed 10' cable and cable gland:

- GS added for installed on one of the side entries (shown to the left)
- GT added for installed on the top entry (not shown)

Ex. LSF3C4D2P becomes LSF3C4D2**PGS**



Add one of the following suffixes to the above Part Numbers for factory sealed and installed 10' cable and 3/4" conduit fitting.:

- CT added for installed on the top entry (shown to the left)
- CS added for installed on one the side entries (not shown)

Ex. LSF3C4D2P becomes LSF3C4D2**PCT**

## Class I Div. 1 Ordering Information

Part Number	Length	Voltage	Lens	Initial Fixture Lumens	Watt	Lumens Per Watt
Class I, Div 1						
LSC3C4M3GEX	4'	100 - 277V AC	Clear	7,250	78	93
LSC3C5M3GEX	4'	347 - 480V AC	Clear	7,250	78	93
LSC3C4D3GEX	2'	100 - 277V AC	Clear	3,600	39	92
LSC3C5D3GEX	2'	347 - 480V AC	Clear	3,600	39	92

**Notes:**

Part numbers listed in the above table are cool white. For neutral white version replace the 5th character with **N**. Ex. LSC3**C**4D3GEX becomes LSC3**N**4D3GEX

# SafeSite® LED Linear Fixture

## Options and Accessories

	Part Number	Description	Kit Includes
Class I, Div. 2			
	LTXW4	Mounting bracket Can be angled at 0°, 30°, 45°, 60° & 90°	Mounting bracket Mounting hardware
	LTXENDCAPKIT	Chain mount and secondary retention bracket	2 brackets Mounting hardware
	LTXSAFEKIT	Safety Cable Kit for secondary retention	2 Brackets 2 53" Safety cables Mounting hardware
Class II, Div 1 / 2			
	LSXW4	Mounting bracket Can be angled at 0°, 30°, 45°, 60° & 90°	Mounting bracket Mounting hardware
	LSXENDCAPKIT	Chain mount brackets	2 Mounting brackets Mounting hardware
	HZXSAFEKIT	Safety Cable Kit	2 Eyelets 2 53" Safety cables Mounting hardware
Class I, Div 1			
	LSXW5	Mounting bracket Can be angled at 0°, 30°, 45°, 60° & 90°	Mounting bracket Mounting hardware
	HZXSAFEKIT	Safety Cable Kit	2 Eyelets 2 53" Safety cables Mounting hardware
All Models			
	HZXSTAN100S	1.00" Slip-Fit Stanchion Mount Junction Box	Junction box Mounting hardware
	HZXSTAN125S	1.25" Slip-Fit Stanchion Mount Junction Box	
	HZXSTAN150S	1.50" Slip-Fit Stanchion Mount Junction Box	
	HZXSTAN200S	2.00" Slip-Fit Stanchion Mount Junction Box	
	HZXSTAN100T	1.00" NPT Threaded Stanchion Mount Junction Box	
	HZXSTAN125T	1.25" NPT Threaded Stanchion Mount Junction Box	
	HZXSTAN150T	1.50" NPT Threaded Stanchion Mount Junction Box	
	HZXSTAN200T	2.00" NPT Threaded Stanchion Mount Junction Box	

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