Dialight

SafeSite® LED Linear Fixture - UL 844

for Indoor and Outdoor Hazardous Applications

DESIGN ABS ASSESSED

Features & Benefits

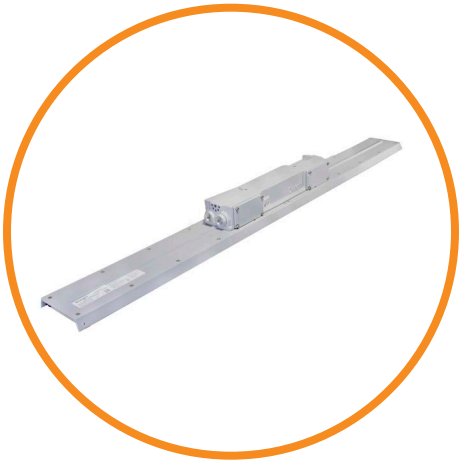
- 5-year warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Instant on/off operation
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life

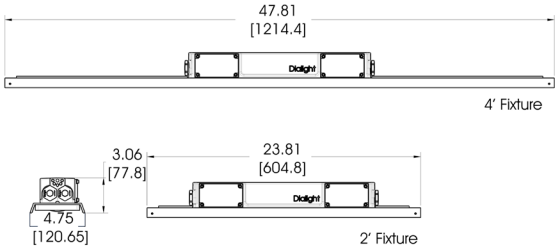
Application

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.

SafeSite LED Linear - UL 844

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
-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 / 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

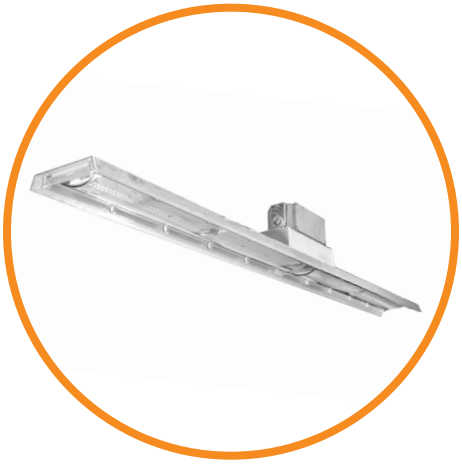
CCT: 5000K (cool white)
4000K (neutral white)

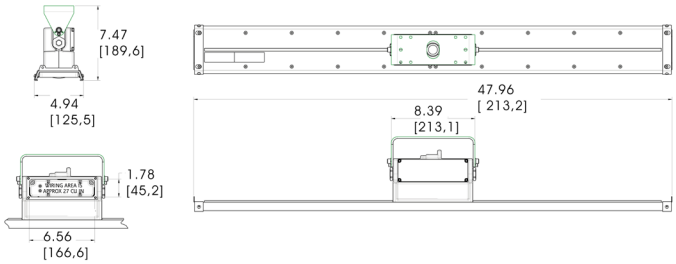
IES files: Available at www.dialight.com

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

SafeSite LED Linear - UL 844

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





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

- 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

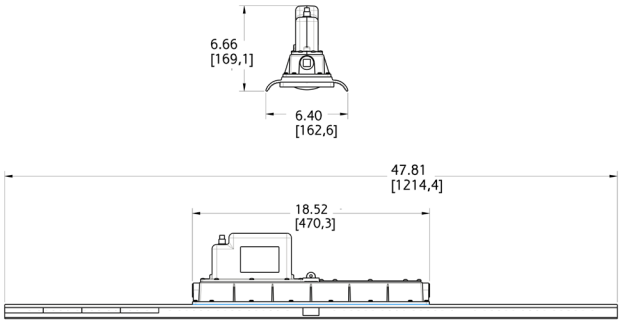
CCT: 5000K (cool white)
4000K (neutral white)

IES files: Available at www.dialight.com

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

SafeSite LED Linear - UL 844

Battery Backup - 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
- 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 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)

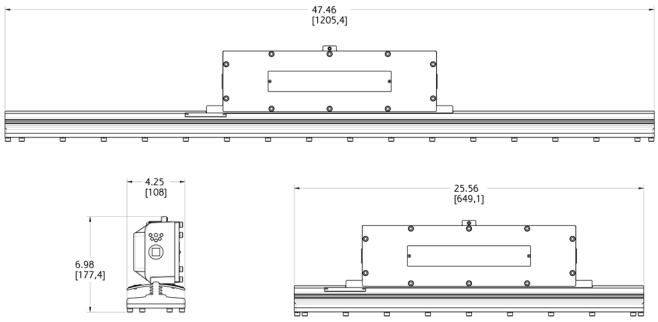
IES files: available at www.dialight.com

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

* @ 25°C ambient

SafeSite LED Linear - UL 844

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
- UL844
- CSA C22.2 No. 137
- Class I, Div. 1 Groups C & D
- IP66
- NEMA 4X

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°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:	Glass

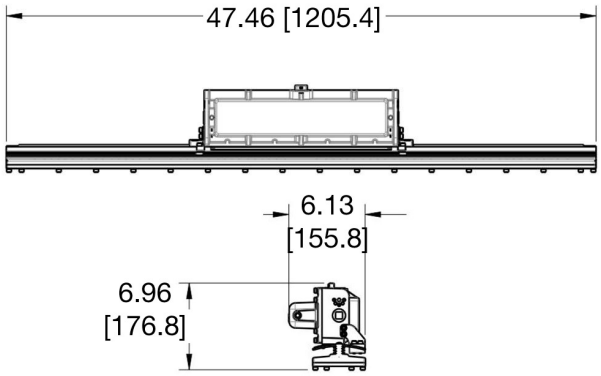
Photometric Information:

CRI:	75
CCT:	5000K (cool white) 400K (neutral white)
IES files:	Available upon request

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

SafeSite LED Linear - UL 844

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
- 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

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

* @ 25°C ambient

SafeSite LED Linear - UL 844

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

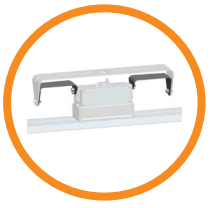
LTXW4SS
- 316 Stainless steel mounting bracket
- Can be angled at 0°, 30°, 45°, 60° and 90°

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

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

SafeSite LED Linear - UL 844

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

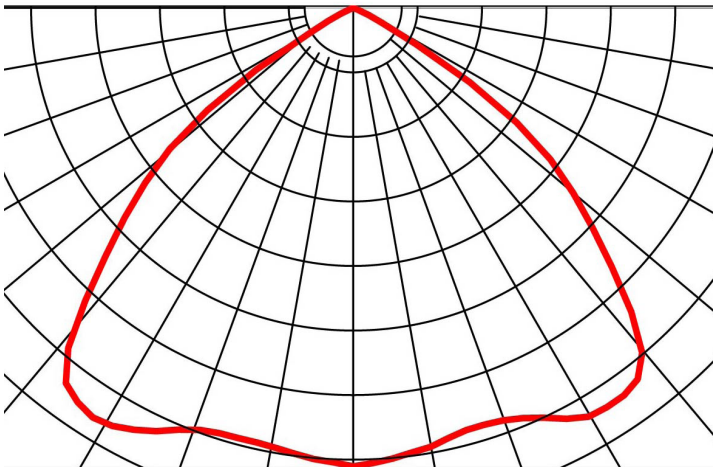
Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
Class I, Div. 2 Models														
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 Models														
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. LPD3C4M2P becomes LPD3N4M2P

Beam Distribution

Circular Pattern



SafeSite LED Linear - UL 844

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

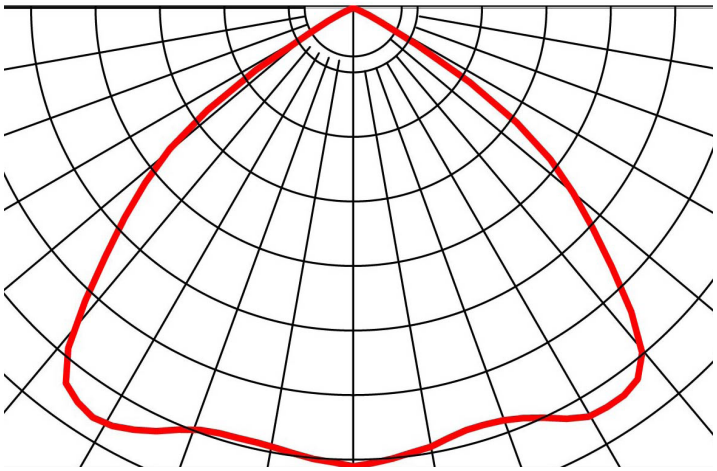
Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Fixture Lumens	Watt	lm/W	Voltage	CCT	Lens	Beam Distribution
Class I, Div. 2 Models														
LTD3C4M2P	4'	80		•		•	•	7,900	60	132	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 Models														
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. LTD3C4D2P becomes LTD3N4D2P

Beam Distribution

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 • CIIID1 • CIIID2

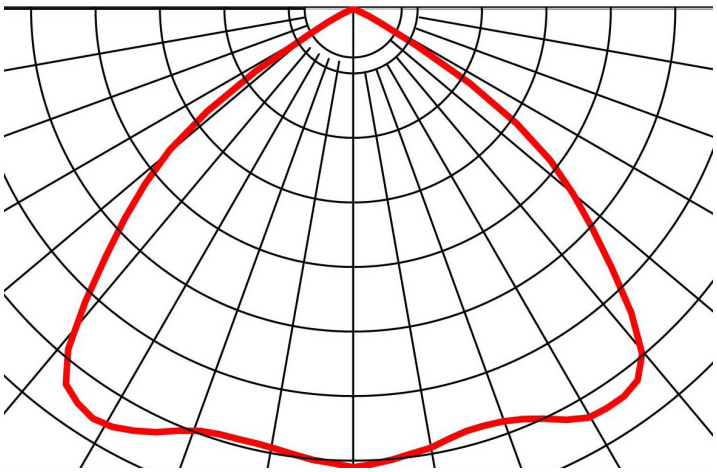
This fixture is offered in sustained and maintained configurations.
Sustained has a single AC input and battery backup mode is entered upon any loss of power. Fixture cannot be turned off without entering battery backup mode.
Maintained has two AC inputs. The fixture can be turned on and off via AC-1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

Part Number	Length	CRI	Type	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	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

Circular



SafeSite LED Linear - UL 844

Class I, Div. 1 - Ordering Information

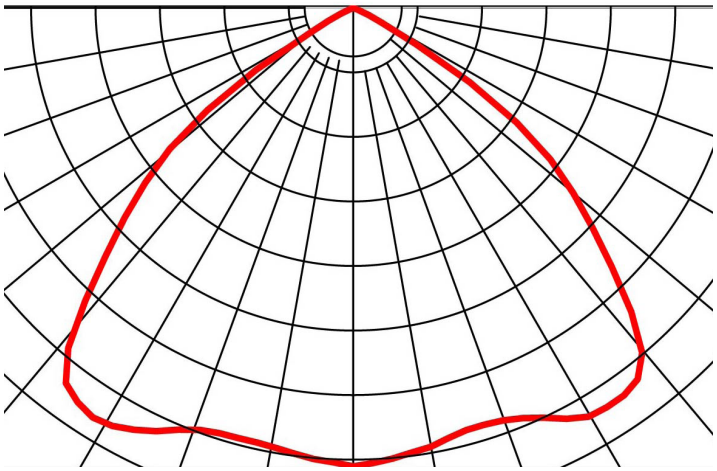
Classifications: CID1 C, D

Part Number	Length	CRI	CID1	CID2	CIID1	CIID2	CIII	Voltage	Lens	CCT	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. LSC3C4D3GEX becomes LSC3N4D3GEX

Beam Distribution

Circular



North American HQ
1501 Route 34 South
Farmingdale, NJ 07727
Tel: 732-919-3119
Fax: 732-751-5778
info@dialight.com

EMEA Technical Centre
Ejby Industrivej 91 B
2600 Glostrup
Tel: +45 8877 4545 (Denmark)
Tel: +44 1638 666541 (UK)
Tel: +49 89 12089 5713 (Germany)
Tel: +33 3 23 22 62 58 (France)
sales-europe@dialight.com

Houston
16830 Barker Springs Rd
Ste 407
Houston, TX 77084
Tel: 732-919-3119
Faz: 281-492-1531
info@dialight.com

Middle East
Level 42
Emirates Towers (Office Tower)
Sheikh Zayed Road
Dubai, United Arab Emirates
Fax: +971 (0) 4319 7686
Tel: +971 (0) 4319 7686

Australia
108 Howe Street
Osborne Park, WA 6017
Tel: +61 (0) 8 9244 7600
Fax: +61 (0) 8 9244 7601
info@dialight.com.au

Southeast Asia
33 Ubi Avenue 3
#07-72 Vertex (Tower A)
Singapore 408868
Tel: +65 6578 7157
Fax: +65 6578 7150
enquiry@dialight.com.sg

Brazil
Alameda Mercurio,
225 – American Park Empresarial NR
Indaiatuba – SP – 13347– 662
Tel: +55 (19) 3113-4300
Fax: +55 (19) 3113-4300
brasil@dialight.com