Dialight

Dialight's DuroSite® LED linear fixture replaces HID and fluorescent lighting fixtures in industrial applications. The DuroSite® 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 dusty & wet locations, its 1598 rating guarantees added protection from salt water spray. The DuroSite® LED Linear's superior design allows for mounting versatility and ease of installation for many lighting applications.

DuroSite® LED Linear Fixture

7.47 [189,6]
4.94 [125,5]
1.78 [45,2]
6.56 [166,6]
47.96 [213,2]
8.39 [213,1]

Bracket not included
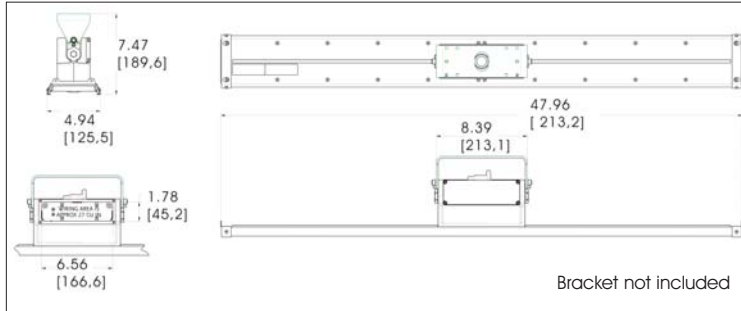
Certifications & Ratings

- UL 1598/A
- UL 8750
- CSA 22.2 No.250.0
- IP 66 rated
- NEMA 4X rated

Features & Benefits

- 5 year full performance warranty
- L70 rated for >100,000 hours @ 25°C
- Instant on/off operation
- Resistant to water, salt, dust & vibration
- Resistant up to 20 PSI of hose directed water
- Universal input (100-277V AC), 50/60Hz
- Mercury free
- Temperature compensation technology for longer life
- Factory sealed
- Intergrated wiring box

Mechanical Information

Fixture Weight:	11 lbs (4.99 kg) 4' 10 lbs (4.53 kg) 2'
Shipping Weight:	13 lbs (5.90 kg) 4' 12 lbs (5.44 kg) 2'
Mounting:	(3) 3/4" NPT openings Optional swivel bracket

Electrical Specifications

Operating Voltage:	100 - 277V 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 100 - 277V AC 50/60Hz:	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

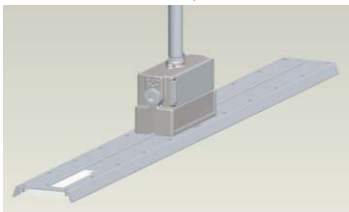|	
Body:	Powder coated aluminum
Lens:	Polycarbonate

Photometric Information

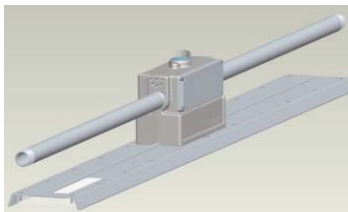|	
CRI:	70
CCT:	5,000K (cool white)
IES Files:	Available upon request

All values typical unless otherwise stated
All lumen values are typical (tolerance +/- 10%)
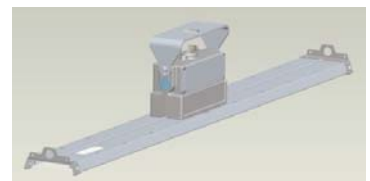*Consult factory for 80 min CRI

Mounting Options

Conduit Top Mount

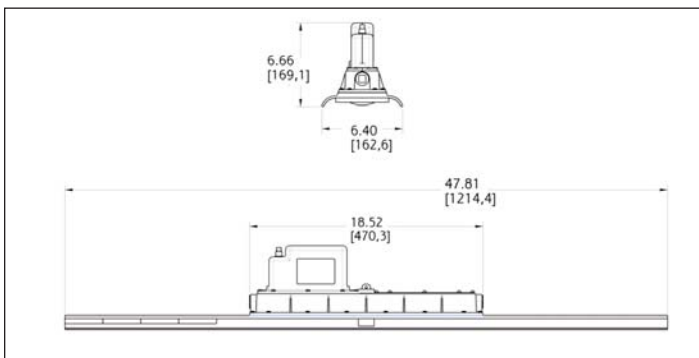### Conduit Side Mount

LTXW4

Dialight

DuroSite® LED Linear Fixture
Battery Backup Version

Certifications
- UL924
- IP66 rated
- NEMA 4X

Features & Benefits
- 3 year full performance warranty
- 450 lumens in battery backup mode consistent throughout life of battery
- Low power consumption
- Battery status indication light
- Instant on/off operation
- Push to test button
- Superior color rendition index compared to HPS, LPS, MV
- Mercury Free
- Resistant to shock and vibration
- Temperature compensation technology for longer life

Application:

Dialight's DuroSite® LED linear fixture replaces HID and fluorescent lighting fixtures in industrial applications. The DuroSite® 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 dusty & wet locations, its 1598 rating guarantees added protection from salt water spray. The DuroSite LED Linear's superior design allows for mounting versatility and ease of installation for many lighting applications.

This fixture is offered in maintained and non-maintained configurations.

Maintained has an AC input and Emergency (battery) mode is entered upon any loss of power. Fixture cannot be turned off without entering emergency mode.

Non-maintained has two AC inputs. The fixture can be turned on and off via AC-1 and Fixture only enters emergency (battery mode when AC-2 is lost or low.

Mechanical Information

Fixture Weight:	18.0 lbs (8.16 kg)
Shipping Weight:	21.0 lbs (9.53 kg)
Mounting:	(1) Threaded 3/4" NPT Side
	(2) Threaded 3/4" NPT Ends

Electrical specifications:

Operating Voltage:	100-277V AC 50/60 Hz
Power Consumption:	85W 4' version
Operating Temp:	-20°F to +149°F (-20°C to +65°C)
Battery:	3.6V 10Ah Nimh
Battery Life:	3 years
Battery Duration:	>3 hours
Harmonics:	IEC 61000-3-2
Surge Protection:	6 kV line to line
	6 kV line to ground
THD:	< 15%
Power Factor:	> 0.95

Construction

Body:	Powder Coated Aluminum
Lens:	Polycarbonate

Photometric Information

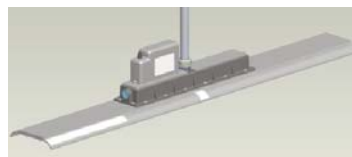|	
CRI:	70
CCT:	5,650K (cool white)
IES Files:	Available upon request

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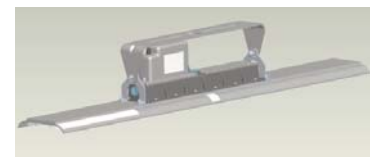All lumen values are typical (tolerance +/- 10%)

Mounting Options

In-line Conduit Mount
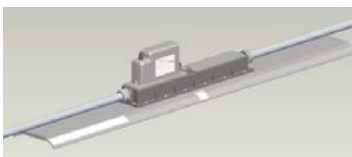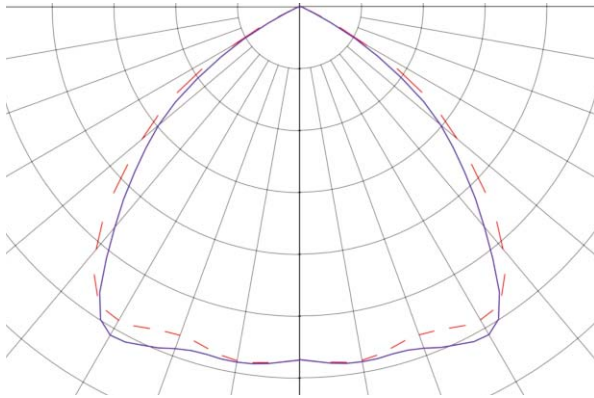

Overhead Conduit Mount
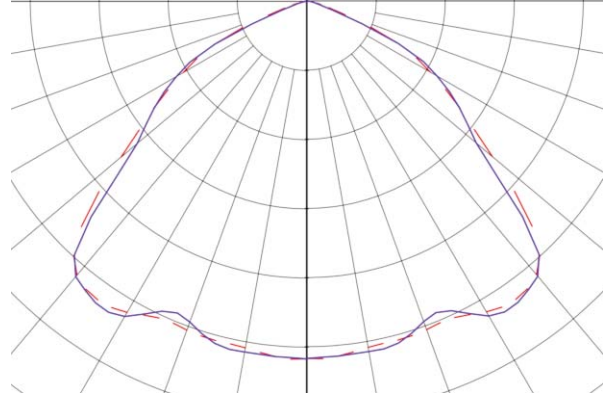

LSXW4

DuroSite® LED Linear Fixture

Candela Plots

Standard models

Battery Backup models

Ordering Information

Part Number	Length	Type	Lens	Initial Fixture Lumens [1,3,4]	Wattage	Lumens Per Watt
Standard Versions						
LTM3C4D2P	2'		Clear	3,500	33	106
LTM3C4M2P	4'		Clear	7,000	66	106
LTM3C4B2D	2'		Diffused	2,700	33	82
LTM3C4H2D	4'		Diffused	5,400	66	82
Battery Backup Versions						
LSM3C4MEP	4'	Maintained	Clear	7,000	85	85
LSM3C4MNP	4'	Non-Maintained	Clear	7,000	85	85

Notes:
[1]Part numbers listed in the above table are cool white. For neutral white version replace the 5th character with **N**. Ex. LTM3**C**4D2P becomes LTM3**N**4D2P
[2]450 Lumens in Battery Backup mode
[3]Expect a 10% reduction in Lumens for 80 CRI minimum fixtures
[1]All lumen values are typical (tolerance +/- 10%)

Battery Backup Wiring Configurations (Optional)

Add one of the following suffixes to the above Part Numbers for factory wired 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. LSM3C4D2P becomes LSM3C4D2P**GS**

Add one of the following suffixes to the above Part Numbers for factory wired 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. LSM3C4D2P becomes LSM3C4D2P**CT**

DuroSite® LED Linear Fixture
Options and Accessories

	Part Number	Description	Kit Includes
Standard Models			
	LTXW4	Mounting bracket Can be angled at 0°, 30°, 45°, 60° & 90°	Mounting bracket Mounting hardware
	LTXENDCAPKIT	Chain mount and secondary retention bracket	2 chain mount brackets Mounting hardware
	LTXSAFEKIT	Safety Cable Kit for secondary retention	2 Brackets 2 53" Safety cables Mounting hardware
Battery Backup Models			
	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
	LSXSAFEKIT	Safety Cable Kit	2 Eyelets 2 53" Safety cables Mounting hardware
	LSXBATREP1	Replacement Battery Kit (for Battery Backup versions only)	Batteries Wiring Connector
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	