

# .....Dialight



**DuroSite® LED Stainless Steel Linear - CE**  
for Indoor and Outdoor Industrial Applications



# On when it matters most.

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Products and solutions that protect your business





## Features & Benefits

- L70 rated for >150,000 hours @ 25°C ambient
- 5 year warranty
- Significant energy savings
- Easy retrofit solution for existing fluorescent fittings due to same size and fixing centres
- Mercury free
- No UV or IR
- Resistant to water, salt, dust & vibration
- Temperature compensation technology for longer life

## Application

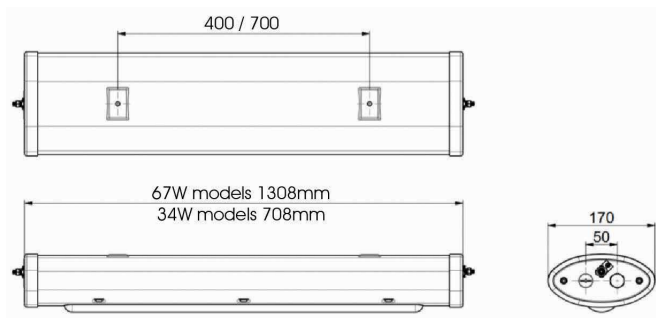
The Dialight DuroSite® LED Linear luminaire with its low profile, rugged design ensures long life and high reliability for a wide variety of Industrial area applications. Offered in 34W and 67W versions to replicate the light output of typical 2 x 18W & 2 x 36W fluorescent luminaires respectively, Dialight offers a range of mounting options for use with the DuroSite® Linear luminaire.

# DuroSite® LED Stainless Steel Linear - CE

## Standard Models

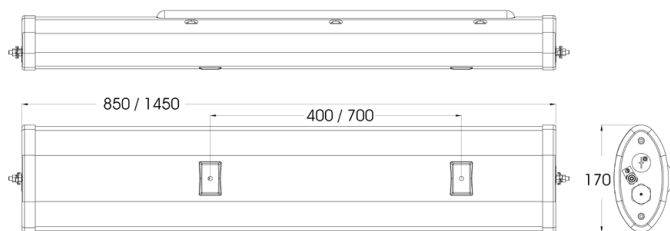


Standard Models



Dimensions in mm

Emergency Models



Dimensions in mm

### Certifications & Ratings

- CE
- EN 55015:2006
- EN 61547:2009
- EN 60598:2008
- IP66 / 67
- IK09 to EN50102
- C & D shock compliant to MOD specification BR8470

### Mechanical Information:

#### Fixture weight:

Standard Model:	1308mm - 11.4kg (25.1lbs)
	708mm - 6.5kg (15lbs)
Emergency Model:	1450mm - 14.2kg (31lbs)
	850mm - 8.8kg (20lbs)

#### Shipping weight:

Standard Model:	1308mm - 14.2kg (31.3lbs)
	708mm - 9.1kg (20lbs)
Emergency Model:	1450mm - 17.2kg (38lbs)
	850mm - 11kg (20lbs)

#### Box dimensions:

1308mm - 240 x 160 x 1640
708mm - 240 x 160 x 1040

#### Mounting:

(2) M8 fixing points

#### Cable Entry:

2 x M20 cable entries at both ends, through wired as standard. Consult factory for other options

### Electrical specifications:

#### Operating Voltage:

Standard Model:	100-277V AC, 50/60 Hz
Emergency Model:	230-240V AC, 50/60 Hz

#### Total system power consumption:

See table

#### Operating Temp:

-20°C to +60°C

#### Noise Requirements/ EMC:

EN 61000-3-2: 2006

#### Transient protection:

EN61000-4-5  
1 kV line to line  
2 kV line to ground

#### Power Factor:

&gt; 0.9

### Emergency Models:

#### Battery:

3.6V 10Ah NiMH

#### Expected Battery Life:

4 years

#### Battery Duration:

&gt;180 Minutes

### Materials:

#### Housing and Fixings:

316 Marine grade stainless steel

#### Lens<sup>1</sup>:

High impact resistant polycarbonate

#### Mounting Brackets:

316L stainless steel

#### Safety Shackle:

Optional factory fitted stainless steel safety shackle with 1 metre safety cord

### Photometric Information:

#### CRI:

75

#### CCT:

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

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

<sup>1</sup>For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide:  
[www.dialight.com/pubs/MDTFCHEMRFLX001.PDF](http://www.dialight.com/pubs/MDTFCHEMRFLX001.PDF)



# DuroSite® LED Stainless Steel Linear - CE

## Mounting Options and Accessories



### ELX-CMB-SS

- 316 Marine Grade stainless steel ceiling mount kit



### ELX-PC-SS-42

- 40Ø - 45mm range 316 Marine Grade stainless steel pole clamp



### ELX-WMB-SS-30

- 30° 316 Marine Grade stainless steel wall mount kit



### ELX-EYE-SS

- 316 Marine Grade stainless steel eyelet kit

### ELX-PC-SS-47

- 47Ø - 51mm range 316 Marine Grade stainless steel pole clamp

### ELX-WMB-SS-45

- 45° 316 Marine Grade stainless steel wall mount kit

### ELX-PC-SS-54

- 54Ø - 57mm range 316 Marine Grade stainless steel pole clamp

### ELX-WMB-SS-60

- 60° 316 Marine Grade stainless steel wall mount kit



### ELX-BATT-KIT

- 3.6V NiMH battery kit

### ELX-PC-SS-59

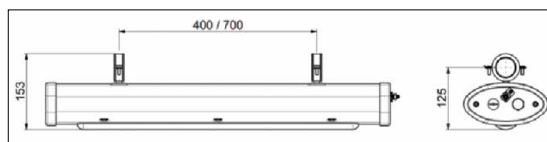
- 59Ø - 62mm range 316 Marine Grade stainless steel pole clamp

### ELX-WMB-SS-90

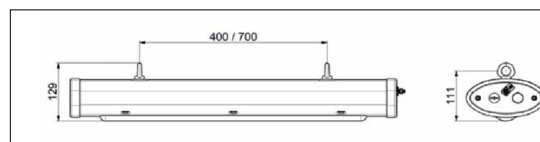
- 90° 316 Marine Grade stainless steel wall mount kit

## Mounting Options and Accessory Dimensions (mm)

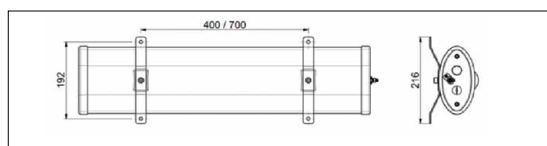
### Pole Clamp



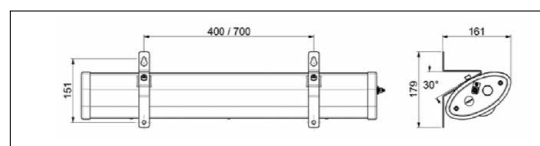
### Eyelet



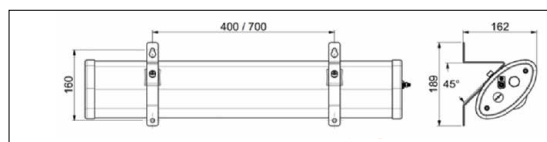
### Ceiling Mount



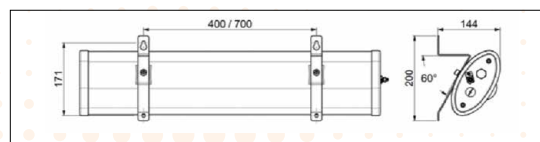
### Wall Mount Bracket 30°



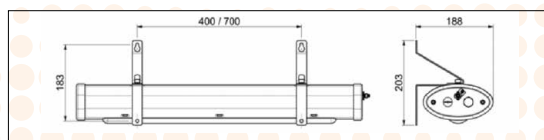
### Wall Mount Bracket 45°



### Wall Mount Bracket 60°



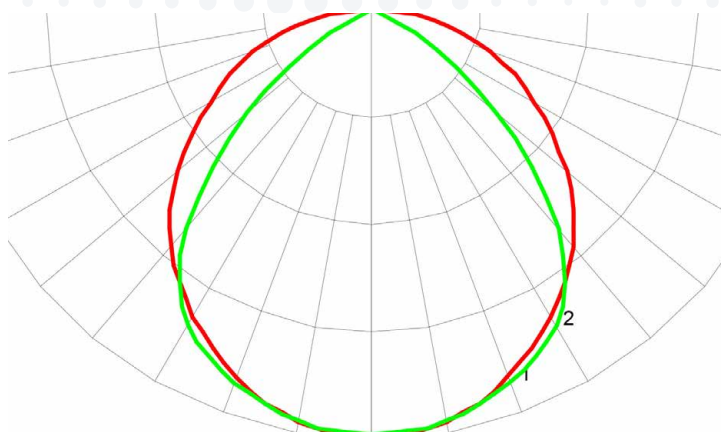
### Wall Mount Bracket 90°



# DuroSite® LED Stainless Steel Linear - CE

## Light Distribution

Light Distribution Pattern



# DuroSite® LED Stainless Steel Linear - CE

## Ordering Information

Part Number	Initial Fixture Lumens	Emergency Mode Lumens	Wattage	Lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Light Distribution
Standard Models									
EL-1C3R-SSCB	5,100		67	76	IP66/67	100-277V AC	5000K (cool white)	Polycarbonate	Circular
EL-1N3R-SSCB	5,100		67	76	IP66/67	100-277V AC	4000K (neutral white)	Polycarbonate	Circular
EL-1C3M-SSCB	2,600		34	76	IP66/67	100-277V AC	5000K (cool white)	Polycarbonate	Circular
EL-1N3M-SSCB	2,600		34	76	IP66/67	100-277V AC	4000K (neutral white)	Polycarbonate	Circular
Emergency Models									
ELE-2C4R-SSCB	5,100	271	70	73	IP66/67	230 / 240V AC	5000K (cool white)	Polycarbonate	Circular
ELE-2N4R-SSCB	5,100	271	70	73	IP66/67	230 / 240V AC	4000K (neutral white)	Polycarbonate	Circular
ELE-2C4M-SSCB	2,600	271	35	74	IP66/67	230 / 240V AC	5000K (cool white)	Polycarbonate	Circular
ELE-2N4M-SSCB	2,600	271	35	74	IP66/67	230 / 240V AC	4000K (neutral white)	Polycarbonate	Circular

Lm/W are under constant review and improvement, please consult technical department for latest achievable values  
For factory fitted safety shackle option, add 1 as a suffix to the part code. E.g.: EL-1C3R-SSCB-1

