Dialight

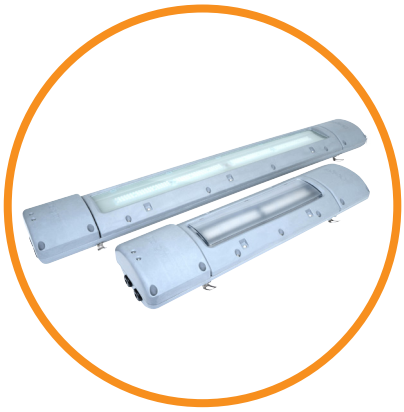
Dialight® LED GRP Linear - ATEX / IECEx

Technical Specification Sheet - EMEA

OCTOBER 2026

SafeSite® LED GRP Linear

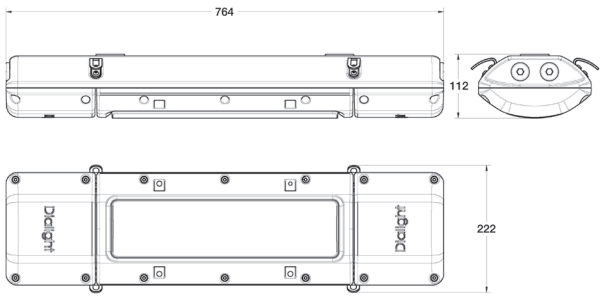
ATEX / IECEx



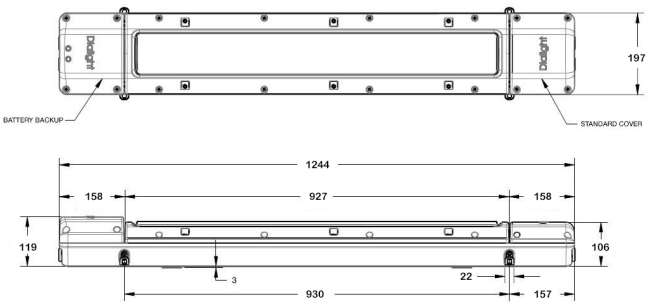
Certifications & Ratings

- 10 year warranty
- CE
- IP66/67
- ATEX/IECEx Zone 1, 2, 21 & 22
  - Ex II 2 GD
    - Ex eb mb op is IIC T4 Gb
    - Ex tb op is IIIC T130°C Db
    - Certification numbers:
      - Sira 19ATEX4226X
      - IECEx SIR 19.0068X
- ATEX/IECEx Zones 2, 21 & 22
  - Ex II 3 GD
    - Ex ec IIC T4 Gc
    - Ex tc IIIC T130°C Dc
    - Sira 19ATEX4227X
    - IECEx SIR 19.0069X
  - Ex II 2 D
    - Ex tb op is IIIC T130°C Db
    - Sira 19ATEX9228X
    - IECEx SIR 19.0069X
- DALI 1.0/2.0 compatible
- Up to 2,875 & 5,750 (nominal) lumen outputs
- Available in 764 mm & 1244 mm models
- Wireless controls available on select models (Zone 2 models only, please consult factory)

764 mm Model



1244 mm Model



Dimensions in mm

Mechanical Information:

Fixture weights:	
Standard models:	764 mm: 7.9 kg (17.4 lbs) 1244 mm: 10.9 kg (24 lbs)
Emergency models:	764 mm: 8.7 kg (19.2 lbs) 1244 mm: 11.9 kg (26.2 lbs)
Mounting:	(2) M8 fixing points Other mounting options available
Cable entry:	(2) M25 cable entries at both ends, through wired as standard. Consult factory for other options
Impact rating:	IK 08
Safety Retention:	(4) 316 Stainless steel tabs as standard

Electrical Specifications:

Operating voltage:	Standard: 100-277 VAC, 50/60Hz 120-250 VDC Emergency: 230/240 VAC, 50Hz
Operating temperature:	
Standard models:	-40°C to +65°C
Emergency models:	-20°C to +50°C
Harmonics & emissions:	IEC 55015 (conducted & radiated) IEC 61000-3-2 IEC 61000-3-3 IEC 61547
Transient protection:	IEC 61000-4-5 6 kV line-to-line & line-to-ground
Power factor:	> 0.9

Emergency Models:

Lumen output in EM mode:	10-25% of initial light output (depending on selected duration and length of fitting)
Battery duration*:	180 min. (standard) 60/90 min. (optional, field-configurable)

Materials:

Housing:	Glass-reinforced polyester
Lens:	- Textured polycarbonate convex lens (standard) - Textured flat glass lens (optional)

Photometric Information:

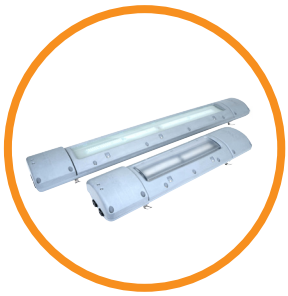
CRI:	80 minimum
CCT:	5000K (cool white) 4000K (neutral white) Green LEDs for Shower Safe version

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

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.

Ordering Information

SafeSite® LED GRP Linear - ATEX / IECEx

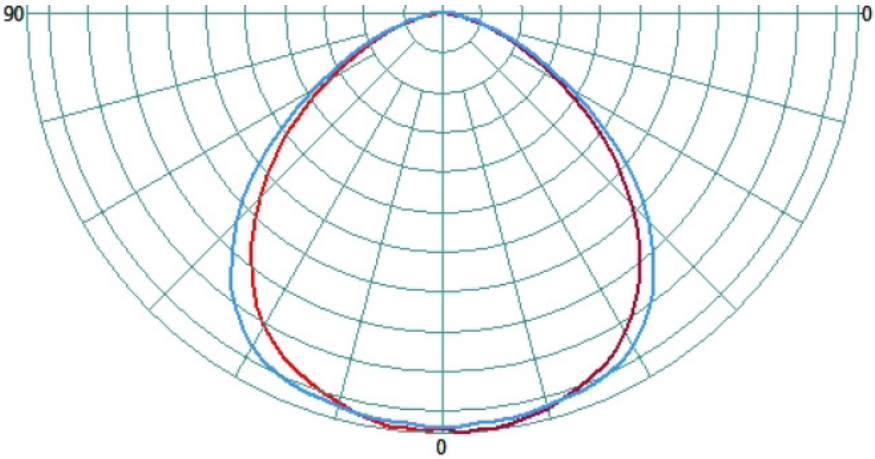


Part Number	Legacy Part Number	Fixture Lumens (Nominal)	Wattage	lm/W	Voltage	CCT	Lens
Zone 1, 2, 21 & 22 Models (Standard)							
P2ABMC23A54WGN		2,875	25	115	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P4ABMC26A54WGN		5,750	47	123	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P2ABMN23A54WGN		2,785	25	111	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
P4ABMN26A54WGN		5,575	47	119	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
Zone 2, 21 & 22 Models (Standard)							
P2BBMC23A54WGN	P2BBMC23A5NWGN	2,875	25	115	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P4BBMC26A54WGN	P4BBMC26A5NWGN	5,750	47	123	100-277 VAC/120-250 VDC	5000K (cool white)	Textured Polycarbonate
P2BBMN23A54WGN	P2BBMN23A5NWGN	2,785	25	111	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
P4BBMN26A54WGN	P4BBMN26A5NWGN	5,575	47	119	100-277 VAC/120-250 VDC	4000K (neutral white)	Textured Polycarbonate
Zone 1, 2, 21 & 22 Models (Emergency Backup)							
P2ABMCG3A54WGG		2,875	29	99	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P4ABMCG6A54WGG		5,750	51	113	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P2ABMNG3A54WGG		2,785	29	96	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
P4ABMNG6A54WGG		5,575	51	109	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
Zone 2, 21 & 22 Models (Emergency Backup)							
P2BBMC23A54WGG	P2BBMC23A5NWGF	2,875	29	99	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P4BBMC26A54WGG	P4BBMC26A5NWGF	5,750	51	113	230/240 VAC	5000K (cool white)	Textured Polycarbonate
P2BBMN23A54WGG	P2BBMN23A5NWGF	2,785	29	96	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
P4BBMN26A54WGG	P4BBMN26A5NWGF	5,575	51	109	230/240 VAC	4000K (neutral white)	Textured Polycarbonate
Shower-Safe/Eye-Wash Station Version - Zone 1, 2, 21 & 22 (Emergency Backup)							
P2ABMGG3A54WGG			29		230/240 VAC	Green	Textured Polycarbonate
P4ABMGG6A54WGG			51		230/240 VAC	Green	Textured Polycarbonate
Shower-Safe/Eye-Wash Station Version - Zone 2, 21 & 22 (Emergency Backup)							
P2BBMG23A54WGG	P2BBMG23A5NWGF		29		230/240 VAC	Green	Textured Polycarbonate
P4BBMG26A54WGG	P4BBMG26A5NWGF		51		230/240 VAC	Green	Textured Polycarbonate

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

DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to *www.dialight.com* for current versions of: (a) relevant product documentation (including the 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 *www.dialight.com* 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 *www.dialight.com*, the latter shall prevail.

Beam Distribution



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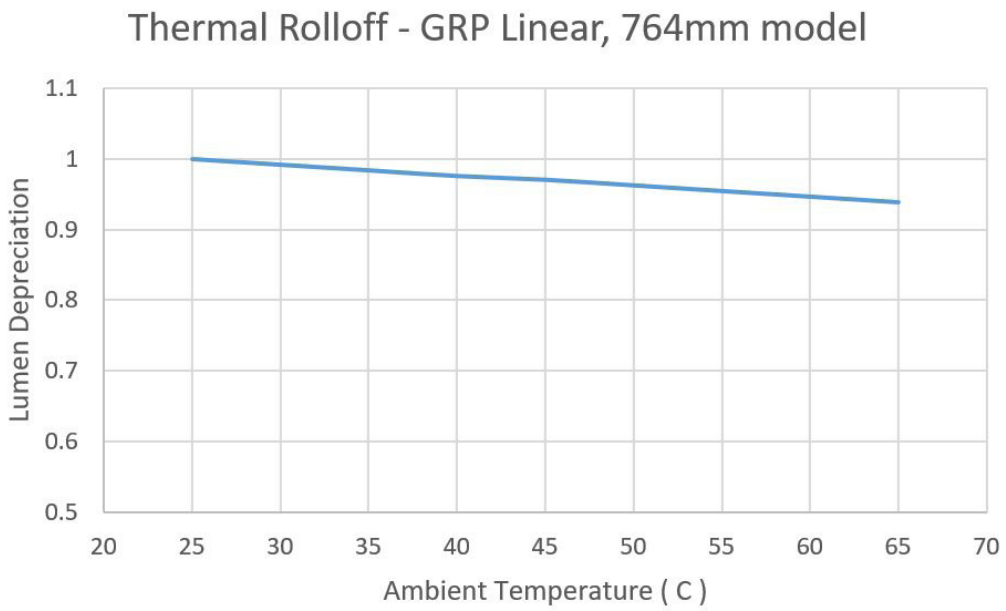
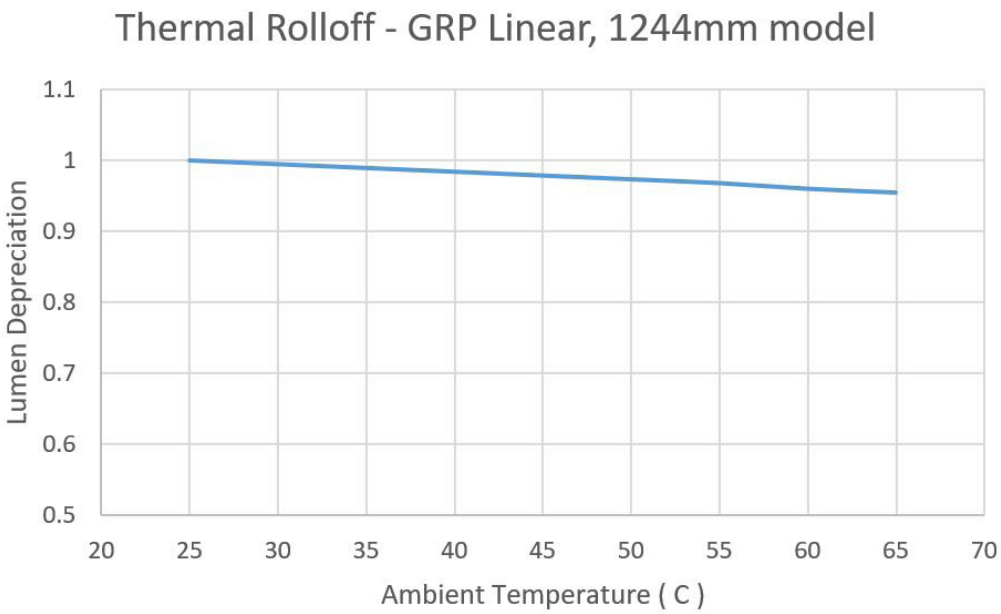
Thermal Roll-Off





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Lumen Maintenance Factor

764mm GRP Linear									
Ambient Temperature	Hours								
	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	96%	95%	94%	92%	91%	90%	86%
30°C	99%	97%	96%	94%	93%	92%	90%	89%	85%
35°C	98%	96%	95%	93%	92%	91%	90%	89%	85%
40°C	98%	95%	94%	93%	91%	90%	89%	88%	84%
45°C	97%	95%	94%	92%	91%	90%	88%	88%	84%
50°C	96%	94%	93%	91%	90%	89%	88%	87%	83%
55°C	96%	93%	92%	91%	89%	88%	87%	86%	82%
60°C	95%	92%	91%	90%	89%	87%	86%	85%	82%
65°C	94%	91%	90%	88%	87%	85%	84%	83%	78%

1244mm GRP Linear									
Ambient Temperature	Hours								
	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	96%	95%	94%	92%	91%	90%	86%
30°C	99%	97%	96%	94%	93%	92%	91%	90%	86%
35°C	99%	97%	95%	94%	93%	91%	90%	89%	85%
40°C	98%	96%	95%	93%	92%	91%	90%	89%	85%
45°C	98%	96%	94%	93%	92%	90%	89%	88%	84%
50°C	97%	95%	94%	92%	91%	90%	89%	88%	84%
55°C	97%	95%	93%	92%	91%	89%	88%	87%	83%
60°C	96%	94%	92%	91%	90%	89%	87%	87%	83%
65°C	96%	93%	92%	91%	89%	88%	87%	86%	82%

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Accessories

ELX-CMB-SS
- 316 Marine Grade stainless steel ceiling mount kit

ELX-PC-SS-42
- 37-44mm Ø 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-47
- 44-50mm Ø 316 Marine Grade stainless steel pole clamp

ELX-PC-SS-54
- 50-58mm Ø 316 Marine Grade stainless steel pole clamp

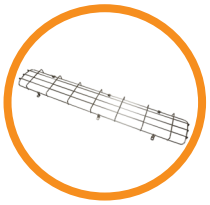
ELX-PC-SS-59
- 58-68mm Ø 316 Marine Grade stainless steel pole clamp

ELX-WMB-SS-45
- 45° 316 Marine Grade stainless steel wall mount kit

ELX-WMB-SS-60
- 60° 316 Marine Grade stainless steel wall mount kit

HBXCAB48
- 1.2m long stainless steel safety rope (for use with safety bracket)

ELX-EYE-SS
- 316 Marine Grade stainless steel eyelet kit



RLX-WG-2
- Wire guard for 764mm model

RLX-WG-4
- Wire guard for 1244mm model

RLX-BATT-KIT-2
- 764mm replacement battery kit

RLX-BATT-KIT-4
- 1244mm replacement battery kit

RL-WIRELESS-2*
- Wireless controls kit for 764mm models (Zone 2 only)

RL-WIRELESS-4*
- Wireless controls kit for 1244mm models (Zone 2 only)

*Must be fitted to GRP Linear by authorized Dialight personnel prior to delivery

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