



# ProSite LED Floodlight

## Technical Specification Sheet - APAC

## ProSite LED Floodlight - Non-Hazardous

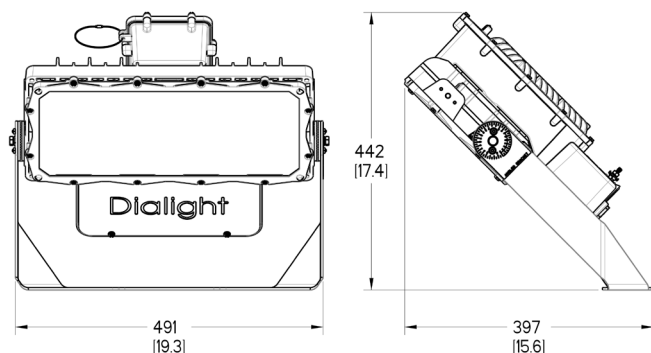
### F1 Models



#### Certifications & Ratings

- 10 year warranty
- CE / ENEC / RCM
- IP66/67
- DNV TAE00004GM
- IK10 - Integrated PC optic only
- IK10 - Polycarbonate lens
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient

#### Angled Bracket



Dimensions in mm [inches]  
Additional dimensional drawings on pages 16-17

#### Mechanical Information:

<b>Fixture weight:</b>	10.9 - 13.6 kg
<b>Shipping weight:</b>	~14.5 kg
<b>EPA (m²):</b>	0.186
<b>Mounting:</b> (all with 7.5° tilt adjustment)	316 stainless steel straight bracket 316 stainless steel angled bracket Slipfitter bracket
<b>Cable entry:</b>	2 x M25

#### Electrical Specifications:

<b>Operating voltage:</b>	120-277 VAC / 120-250 VDC 347-415-480 VAC
<b>Operating temp:</b>	-40°C to +65°C
<b>EMC:</b>	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C
<b>Transient protection:</b>	IEC 61000-4-5. 6kV line-line and line-ground. Optional: Additional surge protection module rated for 10kA, 20kA single strike
<b>THD:</b>	< 20%
<b>Power Factor:</b>	> 0.9
<b>Dimming:</b>	DALI 2.0 compatible/0-10 VDC Optional wireless dimming via Dialight IntelliLED controls

#### Construction:

<b>Housing:</b>	A360 Die-cast aluminum
<b>Hardware:</b>	316 stainless steel
<b>Finish:</b>	Superior epoxy and polyester dual coat finish
<b>Lens:</b>	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover

#### Photometric Information:

<b>CRI:</b>	70 (80 optional)
<b>CCT:</b>	5000K (cool white) 4000K (neutral white) 2200K (warm white) 2700K (warm white) - 80 CRI Amber
<b>Beam pattern:</b>	Medium - 55° Wide - 125° Very Wide - 131° x 108° Asymmetric - Forward Distribution Asymmetric Wide

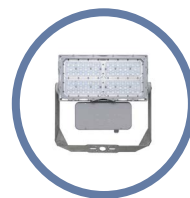
**IES files:** Available at [www.dialight.com](http://www.dialight.com)

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

**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 - F1

## ProSite LED Floodlight - Non-Hazardous



Industrial - CE / RCM							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
12,000lm Models							
F1E-N7B2-BDEN-VGN	13,200	81	163	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
<b>F1E-N6B2-BDEN-VGN</b>	13,200	81	163	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F1E-N4B2-BDEN-VGN	13,200	81	163	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
F1E-7FB2-BDEN-VGN	12,200	81	151	100-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1E-NJB2-BDEN-VGN	12,300	81	152	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F1E-N7L2-BDEN-VGN	13,200	81	163	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6L2-BDEN-VGN	13,200	81	163	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F1E-N4L2-BDEN-VGN	13,200	81	163	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F1E-7FL2-BDEN-VGN	12,200	81	151	100-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F1E-NJL2-BDEN-VGN	12,300	81	152	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
18,000lm Models							
F1E-N7B2-CDEN-VGN	19,100	124	154	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
<b>F1E-N6B2-CDEN-VGN</b>	19,100	124	154	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F1E-N4B2-CDEN-VGN	19,100	124	154	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
<b>F1E-7FB2-CDEN-VGN</b>	17,700	124	143	100-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1E-NJB2-CDEN-VGN	17,800	124	144	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F1E-N7L2-CDEN-VGN	19,100	124	154	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6L2-CDEN-VGN	19,100	124	154	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F1E-N4L2-CDEN-VGN	19,100	124	154	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F1E-7FL2-CDEN-VGN	17,700	124	143	100-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F1E-NJL2-CDEN-VGN	17,800	124	144	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
30,000lm Models							
F1E-N7B2-FDEN-VGN	31,600	234	135	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
<b>F1E-N6B2-FDEN-VGN</b>	31,600	234	135	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F1E-N4B2-FDEN-VGN	31,600	234	135	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
<b>F1E-7FB2-FDEN-VGN</b>	29,200	234	125	100-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1E-NJB2-FDEN-VGN	29,400	234	126	100-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F1E-N7L2-FDEN-VGN	31,600	234	135	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6L2-FDEN-VGN	31,600	234	135	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F1E-N4L2-FDEN-VGN	31,600	234	135	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F1E-7FL2-FDEN-VGN	29,200	234	125	100-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F1E-NJL2-FDEN-VGN	29,400	234	126	100-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
Amber Models							
F1E-7FA2-BDEN-VGN	11,700	226	52	100-277VAC / 120-250VDC	Amber	Glass	Asymmetric

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

Part numbers listed in **bold** are typically available in stock.

Voltage - For 347-415-480 VAC change the 7th character to '5'.

CCT - For 2700k change 6th character to 'W'. For 2200k change 6th character to 'U'. Refer to lumen table on page 10 for accurate values.

Lens - For glass lens cover change 4th character to a '7'. For PC lens cover change 4th character to a '4'. Lens option '4' and '7' not available for asymmetric wide optic.

Surge Protection - For 10kA surge protection 120-277 VAC change 7th character to '8'. For 10kA surge protection 347-415-480 VAC change 7th character to '9'.

PE Cell - For NEMA PE Cell Receptacle with shorting cap change 9th character to 'S'.

Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F'.

**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](http://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](http://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](http://www.dialight.com), the latter shall prevail.

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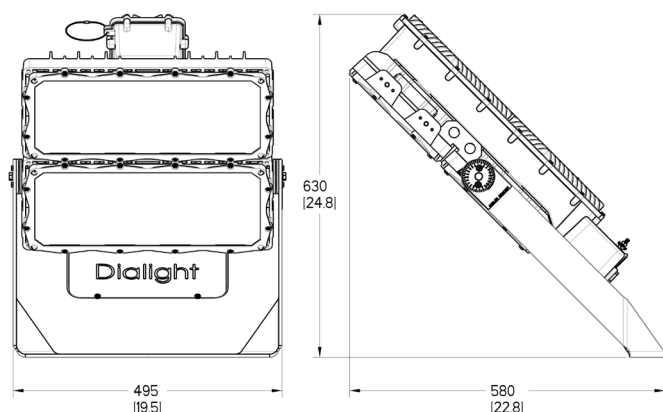
### F2 Models



#### Certifications & Ratings

- 10 year warranty
- CE / ENEC / RCM
- IP66/67
- DNV TAE00004GM
- IK10 - Integrated PC optic only
- IK10 - Polycarbonate lens
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient

#### Angled Bracket



Dimensions in mm [inches]  
Additional dimensional drawings on pages 16-17

#### Mechanical Information:

<b>Fixture weight:</b>	19.5 - 24.5 kg
<b>Shipping weight:</b>	~25.5 kg
<b>EPA (m²):</b>	0.310
<b>Mounting:</b> (all with 7.5° tilt adjustment)	316 stainless steel straight bracket 316 stainless steel angled bracket
<b>Cable entry:</b>	2 x M25

#### Electrical Specifications:

<b>Operating voltage:</b>	120-277 VAC / 120-250 VDC 347-415-480 VAC
<b>Operating temp:</b>	-40°C to +65°C -40°C to +55°C - 60klm
<b>EMC:</b>	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C
<b>Transient protection:</b>	IEC 61000-4-5. 6kV line-line and line-ground. Optional: Additional surge protection module rated for 10kA, 20kA single strike
<b>THD:</b>	< 20%
<b>Power Factor:</b>	> 0.9
<b>Dimming:</b>	DALI 2.0 compatible/0-10 VDC Optional wireless dimming via Dialight IntelliLED controls (up to 36klm only)

#### Construction:

<b>Housing:</b>	A360 Die-cast aluminum
<b>Hardware:</b>	316 stainless steel
<b>Finish:</b>	Superior epoxy and polyester dual coat finish
<b>Lens:</b>	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover

#### Photometric Information:

<b>CRI:</b>	70 (80 optional)
<b>CCT:</b>	5000K (cool white) 4000K (neutral white) 2200K (warm white) 2700K (warm white) - 80 CRI Amber
<b>Beam pattern:</b>	Medium - 55° Wide - 125° Very Wide - 131° x 108° Asymmetric - Forward Distribution Asymmetric Wide

**IES files:** Available at [www.dialight.com](http://www.dialight.com)

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

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# Ordering Information - F2

## ProSite LED Floodlight - Non-Hazardous



Industrial - CE / RCM							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
60,000lm Models - 10kA Surge Protection							
F2E-N7B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
F2E-N6B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F2E-N4B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
<b>F2E-7FB8-NDEN-VGN</b>	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2E-NJB8-NDEN-VGN	60,500	484	125	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F2E-N7L8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F2E-N6L8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F2E-N4L8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F2E-7FL8-NDEN-VGN	60,100	484	124	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F2E-NJL8-NDEN-VGN	60,500	484	125	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
Amber Models							
F2E-7FA2-EDEN-VGN	20,500	461	44	120-277VAC / 120-250VDC	Amber	Glass	Asymmetric
60,000lm Models - 347-415-480 VAC 10kA Surge Protection							
F2E-N7B9-NDEN-VGN	65,000	499	130	347-415-480VAC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
F2E-N6B9-NDEN-VGN	65,000	499	130	347-415-480VAC	5000k (cool white)	Integrated PC	Wide (125°)
F2E-N4B9-NDEN-VGN	65,000	499	130	347-415-480VAC	5000k (cool white)	Integrated PC	Medium (56°)
F2E-7FB9-NDEN-VGN	60,100	499	120	347-415-480VAC	5000k (cool white)	Glass	Asymmetric
F2E-NJB9-NDEN-VGN	60,500	499	121	347-415-480VAC	5000k (cool white)	Integrated PC	Asymmetric Wide
F2E-N7L9-NDEN-VGN	65,000	499	130	347-415-480VAC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F2E-N6L9-NDEN-VGN	65,000	499	130	347-415-480VAC	4000k (neutral white)	Integrated PC	Wide (125°)
F2E-N4L9-NDEN-VGN	65,000	499	130	347-415-480VAC	4000k (neutral white)	Integrated PC	Medium (56°)
F2E-7FL9-NDEN-VGN	60,100	499	120	347-415-480VAC	4000k (neutral white)	Glass	Asymmetric
F2E-NJL9-NDEN-VGN	60,500	499	121	347-415-480VAC	4000k (neutral white)	Integrated PC	Asymmetric Wide

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

Part numbers listed in **bold** are typically available in stock.

CCT - For 2700k change 6th character to 'W'. For 2200k change 6th character to 'U'. Refer to lumen table on page 10 for accurate values.

Lens - For glass lens cover change 4th character to a '7'. For PC lens cover change 4th character to a '4'.

PE Cell - For NEMA PE Cell Receptacle with shorting cap change 9th character to 'S'.

Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F'.

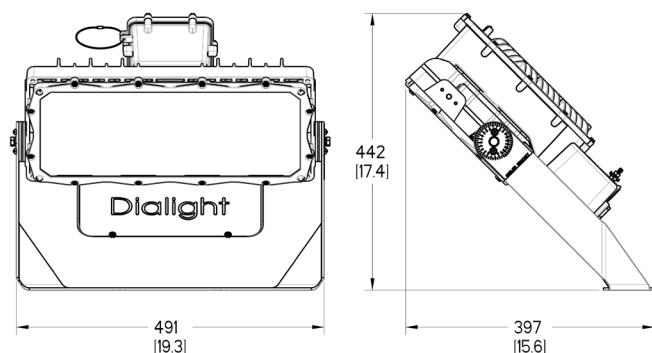
### ProSite LED Floodlight - Hazardous F1 Models



#### Certifications & Ratings

- 10 year warranty
- ATEX/IECEX Zone 2, 21 & 22
  - Ex ec IIC T4 Gc
  - Ex tb IIIC T110°C Db
  - ITS-I 22 ATEX 29411X
  - ITS-I 22 ATEX 294111X
  - IECEX ETL 22.0001X
- IP66/67
- DNV TAE00004GM
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient

#### Angled Bracket



Dimensions in mm [inches]  
Additional dimensional drawings on pages 16-17

#### Mechanical Information:

Fixture weight:	10.9 - 13.6 kg
Shipping weight:	~14.5 kg
EPA (m²):	0.186
Mounting:	316 stainless steel straight bracket (all with 7.5° tilt adjustment) 316 stainless steel angled bracket Slipfitter bracket
Cable entry:	2 x M25

#### Electrical Specifications:

Operating voltage:	120-277 VAC / 120-250 VDC 347-415-480 VAC
Operating temp:	-40°C to +65°C
EMC:	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C
Transient protection:	IEC 61000-4-5. 6kV line-line and line-ground.
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 2.0 compatible/0-10 VDC

#### Construction:

Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Glass

#### Photometric Information:

CRI:	70 (80 optional)
CCT:	5000K (cool white) 4000K (neutral white) 2200K (warm white) 2700K (warm white) - 80 CRI Amber
Beam pattern:	Medium - 55° Wide - 125° Very Wide - 131° x 108° Asymmetric - Forward Distribution

IES files: Available at [www.dialight.com](http://www.dialight.com)

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### Ordering Information - F1 ProSite LED Floodlight - Hazardous



Hazardous - ATEX/IECEx Zone 2, 21, 22							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
12,000lm Models							
F1B-77B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Very Wide (131° x 108°)
F1B-76B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Wide (125°)
F1B-74B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Medium (56°)
F1B-7FB2-BDEN-VGN	12,200	81	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1B-77L2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Very Wide (131° x 108°)
<b>F1B-76L2-BDEN-VGN</b>	12,500	81	154	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Wide (125°)
F1B-74L2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Medium (56°)
F1B-7FL2-BDEN-VGN	12,200	81	151	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
18,000lm Models							
F1B-77B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Very Wide (131° x 108°)
F1B-76B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Wide (125°)
F1B-74B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Medium (56°)
F1B-7FB2-CDEN-VGN	17,700	124	143	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1B-77L2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Very Wide (131° x 108°)
<b>F1B-76L2-CDEN-VGN</b>	18,000	124	145	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Wide (125°)
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<b>F1B-7FL2-CDEN-VGN</b>	17,700	124	143	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
30,000lm Models							
F1B-77B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Very Wide (131° x 108°)
F1B-76B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Wide (125°)
F1B-74B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Medium (56°)
F1B-7FB2-FDEN-VGN	29,200	234	125	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1B-77L2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Very Wide (131° x 108°)
<b>F1B-76L2-FDEN-VGN</b>	29,900	234	128	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Wide (125°)
F1B-74L2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Medium (56°)
<b>F1B-7FL2-FDEN-VGN</b>	29,200	234	125	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
Amber Models							
F1B-7FA2-BDEN-VGN	11,700	226	52	120-277VAC / 120-250VDC	Amber	Glass	Asymmetric

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

Part numbers listed in **bold** are typically available in stock.

CCT - For 2700k change 6th character to 'W'. For 2200k change 6th character to 'U'. Refer to lumen table on page 10 for accurate values.

Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F'.

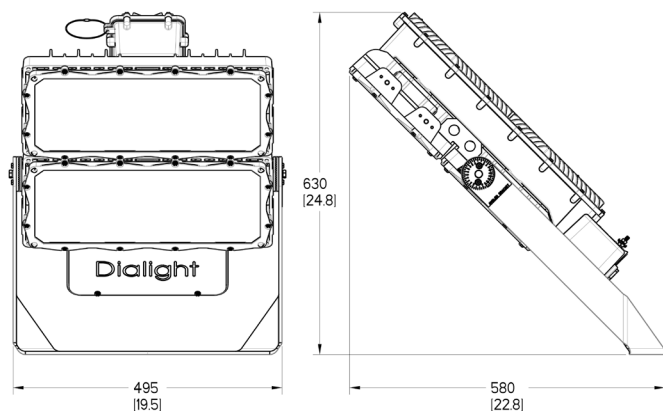
## ProSite LED Floodlight - Hazardous F2 Models



### Certifications & Ratings

- 10 year warranty
- ATEX/IECEX Zone 2, 21 & 22
  - Ex ec IIC T4 Gc
  - Ex tb IIIC T110°C Db
  - ITS-I 22 ATEX 29411X
  - ITS-I 22 ATEX 294111X
  - IECEX ETL 22.0001X
- IP66/67
- DNV TAE00004GM
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient

### Angled Bracket



Dimensions in mm [inches]  
Additional dimensional drawings on pages 16-17

### Mechanical Information:

Fixture weight:	19.5 - 24.5 kg
Shipping weight:	~25.5 kg
EPA (m²):	0.310
Mounting:	316 stainless steel straight bracket (all with 7.5° tilt adjustment)
Cable entry:	2 x M25

### Electrical Specifications:

Operating voltage:	120-277 VAC / 120-250 VDC 347-415-480 VAC
Operating temp:	-40°C to +65°C -40°C to +55°C - 60klm
EMC:	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C
Transient protection:	IEC 61000-4-5. 6kV line-line and line-ground.
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 2.0 compatible/0-10 VDC

### Construction:

Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Glass

### Photometric Information:

CRI:	70 (80 optional)
CCT:	5000K (cool white) 4000K (neutral white) 2200K (warm white) 2700K (warm white) - 80 CRI Amber
Beam pattern:	Medium - 55° Wide - 125° Very Wide - 131° x 108° Asymmetric - Forward Distribution
IES files:	Available at <a href="http://www.dialight.com">www.dialight.com</a>

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

**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 - F2

#### ProSite LED Floodlight - Hazardous



Hazardous - ATEX/IECEX Zone 2, 21, 22							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
60,000lm Models							
F2B-77B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Very Wide (131° x 108°)
F2B-76B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Wide (125°)
F2B-74B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Medium (56°)
F2B-7FB2-NDEN-VGN	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2B-77L2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Very Wide (131° x 108°)
F2B-76L2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Wide (125°)
F2B-74L2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Medium (56°)
F2B-7FL2-NDEN-VGN	60,100	484	124	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
Amber Models							
F2B-7FA2-EDEN-VGN	20,500	461	44	120-277VAC / 120-250VDC	Amber	Glass	Asymmetric

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

CCT - For 2700k change 6th character to 'W'. For 2200k change 6th character to 'U'. Refer to lumen table on page 10 for accurate values.

Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F'.

# Lumen Tables

Lumen Output Family	Wattage (120-277 VAC)	Wattage (347-480 VAC)	Optic	PC Optic Only				Glass Lens				Polycarbonate Lens			
				5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K
12,000	81	84	Medium (NEMA 4)	13,200	13,200	10,200	10,400	12,500	12,500	9,500	9,700	11,700	11,700	8,800	9,000
			Wide (NEMA 6)	13,200	13,200	10,200	10,400	12,500	12,500	9,500	9,700	11,700	11,700	8,800	9,000
			Very Wide (NEMA 7x6)	13,200	13,200	10,200	10,400	12,500	12,500	9,500	9,700	11,700	11,700	8,800	9,000
			Asymmetric	-	-	-	-	11,600	11,600	8,600	8,800	10,800	10,800	7,900	8,100
			Asymmetric Wide	12,300	12,300	9,300	9,500	-	-	-	-	-	-	-	-
18,000	124	128	Medium (NEMA 4)	19,100	19,100	14,800	15,100	18,000	18,000	13,800	14,000	17,000	17,000	12,700	13,000
			Wide (NEMA 6)	19,100	19,100	14,800	15,100	18,000	18,000	13,800	14,000	17,000	17,000	12,700	13,000
			Very Wide (NEMA 7x6)	19,100	19,100	14,800	15,100	18,000	18,000	13,800	14,000	17,000	17,000	12,700	13,000
			Asymmetric	-	-	-	-	16,700	16,700	12,400	12,700	15,700	15,700	11,400	11,700
			Asymmetric Wide	17,800	17,800	13,500	13,800	-	-	-	-	-	-	-	-
24,000	175	179	Medium (NEMA 4)	25,000	25,000	19,400	19,800	23,600	23,600	18,000	18,400	22,300	22,300	16,600	17,000
			Wide (NEMA 6)	25,000	25,000	19,400	19,800	23,600	23,600	18,000	18,400	22,300	22,300	16,600	17,000
			Very Wide (NEMA 7x6)	25,000	25,000	19,400	19,800	23,600	23,600	18,000	18,400	22,300	22,300	16,600	17,000
			Asymmetric	-	-	-	-	21,900	21,900	16,300	16,600	20,500	20,500	14,900	15,300
			Asymmetric Wide	23,300	23,300	17,600	18,000	-	-	-	-	-	-	-	-
F1 30,000	234	237	Medium (NEMA 4)	31,600	31,600	24,500	25,000	29,900	29,900	22,800	23,200	28,100	28,100	21,000	21,500
			Wide (NEMA 6)	31,600	31,600	24,500	25,000	29,900	29,900	22,800	23,200	28,100	28,100	21,000	21,500
			Very Wide (NEMA 7x6)	31,600	31,600	24,500	25,000	29,900	29,900	22,800	23,200	28,100	28,100	21,000	21,500
			Asymmetric	-	-	-	-	27,700	27,700	20,500	21,000	25,900	25,900	18,800	19,300
			Asymmetric Wide	29,400	29,400	22,300	22,800	-	-	-	-	-	-	-	-
F2 30,000	200	206	Medium (NEMA 4)	32,000	32,000	24,800	25,300	30,200	30,200	23,000	23,500	28,500	28,500	21,300	21,800
			Wide (NEMA 6)	32,000	32,000	24,800	25,300	30,200	30,200	23,000	23,500	28,500	28,500	21,300	21,800
			Very Wide (NEMA 7x6)	32,000	32,000	24,800	25,300	30,200	30,200	23,000	23,500	28,500	28,500	21,300	21,800
			Asymmetric	-	-	-	-	28,000	28,000	20,800	21,300	26,200	26,200	19,000	19,500
			Asymmetric Wide	29,800	29,800	22,600	23,000	-	-	-	-	-	-	-	-
36,000	234	241	Medium (NEMA 4)	37,500	37,500	29,100	29,600	35,400	35,400	27,000	27,600	33,400	33,400	24,900	25,500
			Wide (NEMA 6)	37,500	37,500	29,100	29,600	35,400	35,400	27,000	27,600	33,400	33,400	24,900	25,500
			Very Wide (NEMA 7x6)	37,500	37,500	29,100	29,600	35,400	35,400	27,000	27,600	33,400	33,400	24,900	25,500
			Asymmetric	-	-	-	-	32,800	32,800	24,400	24,900	30,800	30,800	22,300	22,900
			Asymmetric Wide	34,900	34,900	26,400	27,000	-	-	-	-	-	-	-	-
48,000	346	357	Medium (NEMA 4)	51,000	51,000	39,500	40,300	48,200	48,200	36,700	37,500	45,400	45,400	33,900	34,700
			Wide (NEMA 6)	51,000	51,000	39,500	40,300	48,200	48,200	36,700	37,500	45,400	45,400	33,900	34,700
			Very Wide (NEMA 7x6)	51,000	51,000	39,500	40,300	48,200	48,200	36,700	37,500	45,400	45,400	33,900	34,700
			Asymmetric	-	-	-	-	44,600	44,600	33,200	33,900	41,800	41,800	30,300	31,100
			Asymmetric Wide	47,400	47,400	36,000	36,700	-	-	-	-	-	-	-	-
60,000	484	499	Medium (NEMA 4)	65,000	65,000	50,400	51,400	61,400	61,400	46,800	47,800	57,900	57,900	43,200	44,200
			Wide (NEMA 6)	65,000	65,000	50,400	51,400	61,400	61,400	46,800	47,800	57,900	57,900	43,200	44,200
			Very Wide (NEMA 7x6)	65,000	65,000	50,400	51,400	61,400	61,400	46,800	47,800	57,900	57,900	43,200	44,200
			Asymmetric	-	-	-	-	56,900	56,900	42,300	43,200	53,300	53,300	38,700	39,700
			Asymmetric Wide	60,500	60,500	45,800	46,800	-	-	-	-	-	-	-	-

Lumen Family	Wattage (120-277 VAC)	Wattage (347-480 VAC)	Optic	PC Optic Only		Glass Lens		Polycarbonate Lens	
				Amber		Amber		Amber	
F1 12,000	226	230	Medium (NEMA 4)	13,000		12,300		11,600	
			Wide (NEMA 6)	13,000		12,300		11,600	
			Very Wide (NEMA 7x6)	13,000		12,300		11,600	
			Asymmetric	-		11,600		10,400	
			Asymmetric Wide	12,400		-		-	
F2 24,000	461	485	Medium (NEMA 4)	23,000		21,700		20,500	
			Wide (NEMA 6)	23,000		21,700		20,500	
			Very Wide (NEMA 7x6)	23,000		21,700		20,500	
			Asymmetric	-		20,500		18,400	
			Asymmetric Wide	21,900		-		-	

## Inrush Current

F1 Models					
VAC	120	240	347	415	480
Peak inrush current (A)	7.7	15.4	4.1	4.9	5.7
Duration, T50 (ms)	1.5	1.5	1.5	1.5	1.5
F2 Models (30 - 36klm)					
Peak inrush current (A)	7.7	15.4	4.1	4.9	5.7
Duration, T50 (ms)	1.5	1.5	1.5	1.5	1.5
F2 Models (48 - 65klm & 24klm Amber)					
Peak inrush current (A)	15.4	30.8	8.2	9.8	11.4
Duration, T50 (ms)	1.5	1.5	1.5	1.5	1.5

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# Maximum per Circuit Breaker

120 VAC			
Lumen Output	10 Amp	16 Amp	20 Amp
12,000	9	14	17
18,000	6	9	11
24,000	4	6	8
30,000 F1	3	5	6
30,000F2	4	6	7
36,000	3	5	6
48,000	2	3	4
60,000	1	2	3
12,000 Amber	3	5	6
24,000 Amber	2	2	3

240 VAC		
10 Amp	16 Amp	20 Amp
17	28	35
11	18	23
8	13	16
6	10	12
7	11	14
6	10	12
4	7	8
3	5	6
6	10	13
3	5	6

277 VAC			
Lumen Output	10 Amp	16 Amp	20 Amp
12,000	20	32	40
18,000	13	21	26
24,000	9	15	19
30,000 F1	7	11	14
30,000F2	8	13	16
36,000	7	11	14
48,000	5	8	9
60,000	3	5	7
12,000 Amber	7	12	14
24,000 Amber	4	6	7

415 VAC		
10 Amp	16 Amp	20 Amp
29	47	58
19	31	38
14	22	27
10	17	21
12	19	24
10	16	20
7	11	14
5	8	10
11	17	21
5	8	10

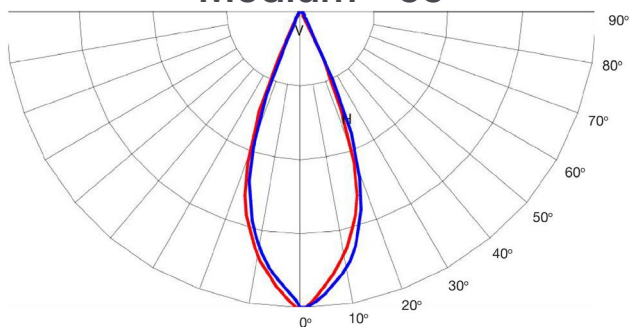
Dialight recommends using B or C type breakers.

These tables are based on steady-state input current and nominal breaker current ratings @ 80% derating.

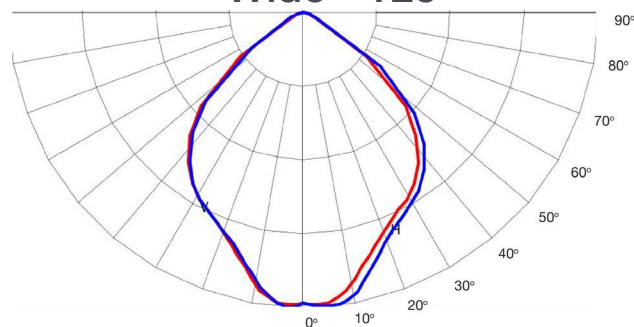
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## Beam Distribution

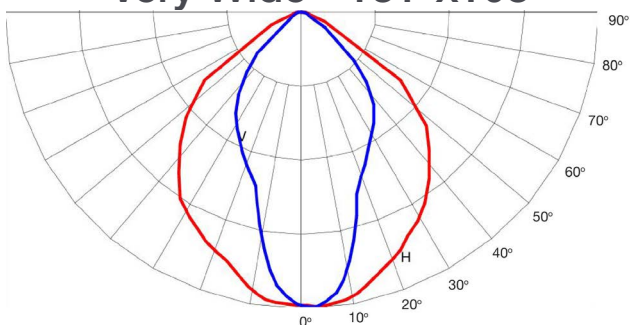
Medium - 55°



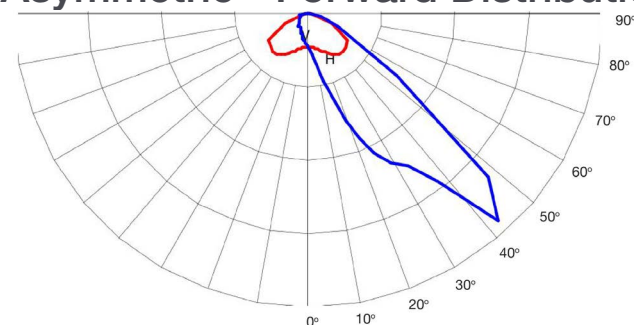
Wide - 125°



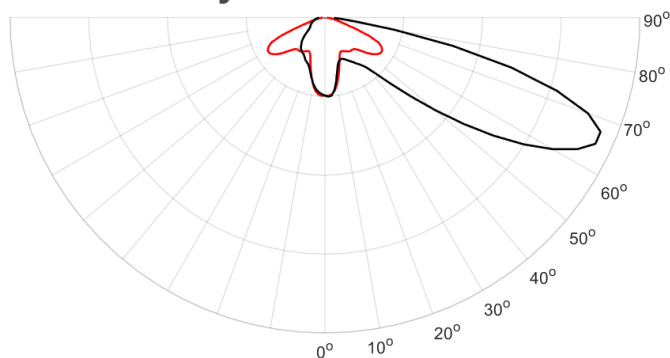
Very Wide - 131°x108°



Asymmetric - Forward Distribution



Asymmetric Wide



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# Lumen Maintenance Factor - F1

F1 Floodlight 12k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	95%	95%	94%	93%	92%	90%
35°C	98%	96%	96%	95%	95%	94%	93%	92%	90%
40°C	98%	96%	95%	94%	94%	93%	92%	91%	89%
45°C	97%	95%	94%	93%	93%	92%	91%	90%	88%
50°C	96%	94%	94%	93%	93%	92%	91%	90%	88%
55°C	96%	94%	93%	92%	91%	90%	90%	89%	87%
60°C	95%	93%	92%	91%	91%	90%	89%	89%	86%
65°C	94%	92%	92%	91%	90%	89%	88%	88%	85%

F1 Floodlight 18k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	95%	95%	94%	93%	92%	90%
35°C	98%	96%	96%	95%	95%	94%	93%	92%	90%
40°C	98%	96%	95%	94%	94%	93%	92%	91%	89%
45°C	97%	95%	94%	93%	93%	92%	91%	90%	88%
50°C	96%	94%	94%	93%	93%	92%	91%	90%	88%
55°C	96%	94%	93%	92%	91%	90%	90%	89%	87%
60°C	95%	93%	92%	91%	91%	90%	89%	89%	86%
65°C	94%	92%	92%	91%	90%	89%	88%	88%	85%

F1 Floodlight 30k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	95%	93%	91%	89%	87%	85%	79%
30°C	99%	97%	94%	92%	90%	88%	86%	84%	78%
35°C	98%	96%	93%	91%	89%	87%	85%	83%	77%
40°C	97%	94%	92%	90%	88%	85%	83%	82%	76%
45°C	96%	93%	91%	88%	86%	84%	82%	81%	74%
50°C	94%	92%	90%	87%	85%	83%	81%	79%	72%
55°C	93%	91%	88%	86%	84%	81%	79%	78%	71%
60°C	92%	90%	87%	85%	82%	80%	78%	76%	70%
65°C	91%	88%	86%	84%	81%	79%	77%	75%	68%

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## Lumen Maintenance Factor - F2

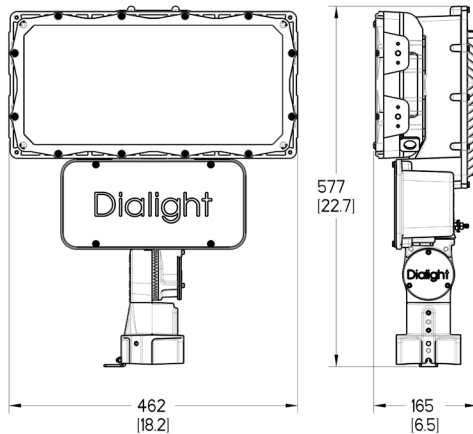
F2 Floodlight 36k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	96%	95%	94%	93%	93%	90%
35°C	98%	97%	96%	95%	94%	93%	92%	92%	89%
40°C	98%	96%	95%	94%	93%	93%	92%	91%	89%
45°C	97%	95%	94%	94%	93%	92%	91%	91%	88%
50°C	96%	94%	94%	93%	92%	91%	90%	90%	87%
55°C	96%	94%	93%	92%	91%	90%	90%	89%	87%
60°C	95%	93%	92%	91%	91%	90%	89%	88%	86%
65°C	94%	92%	92%	91%	90%	89%	88%	88%	85%

F2 Floodlight 60k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	95%	93%	91%	89%	87%	85%	79%
30°C	99%	96%	94%	92%	90%	88%	86%	84%	78%
35°C	98%	95%	93%	91%	88%	86%	84%	83%	76%
40°C	96%	94%	92%	89%	87%	85%	83%	81%	75%
45°C	95%	93%	90%	88%	86%	83%	81%	80%	73%
50°C	94%	91%	89%	87%	84%	82%	80%	78%	72%
55°C	93%	90%	88%	85%	83%	80%	78%	77%	70%

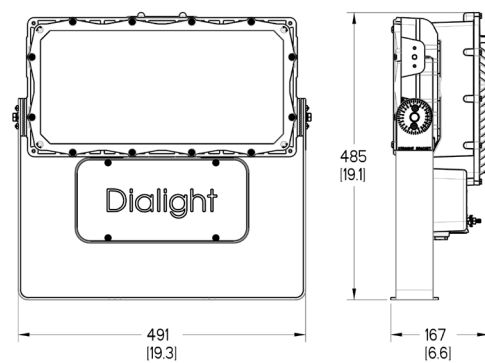
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## Dimensional Drawings

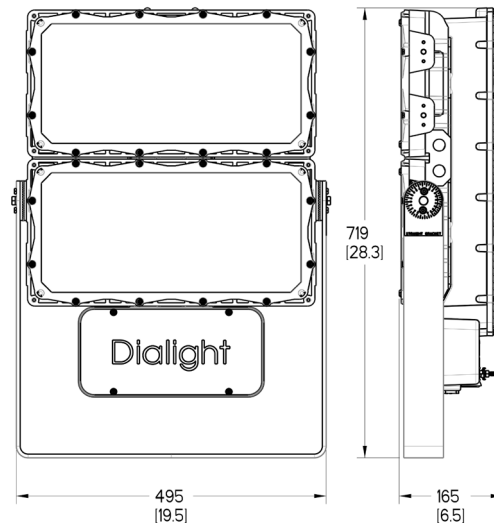
F1 Slipfitter Bracket - CE/RCM



F1 Straight Bracket



F2 Straight Bracket

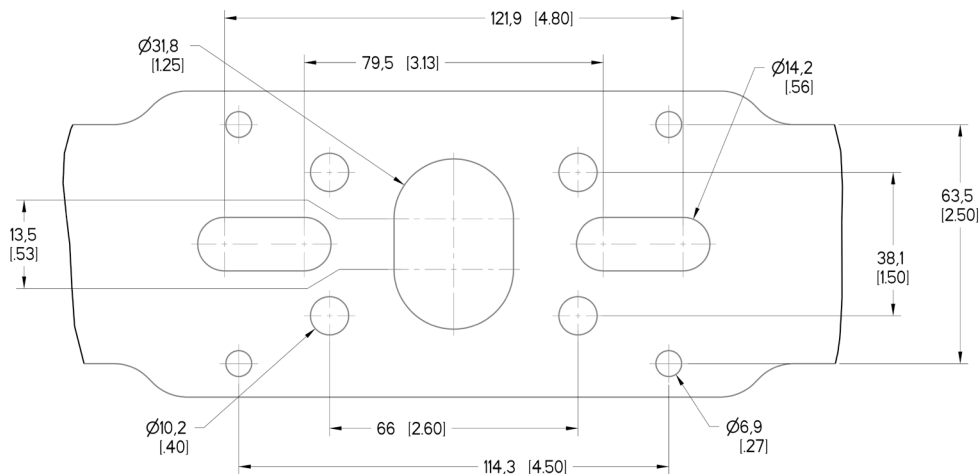


Dimensions in mm [inches]

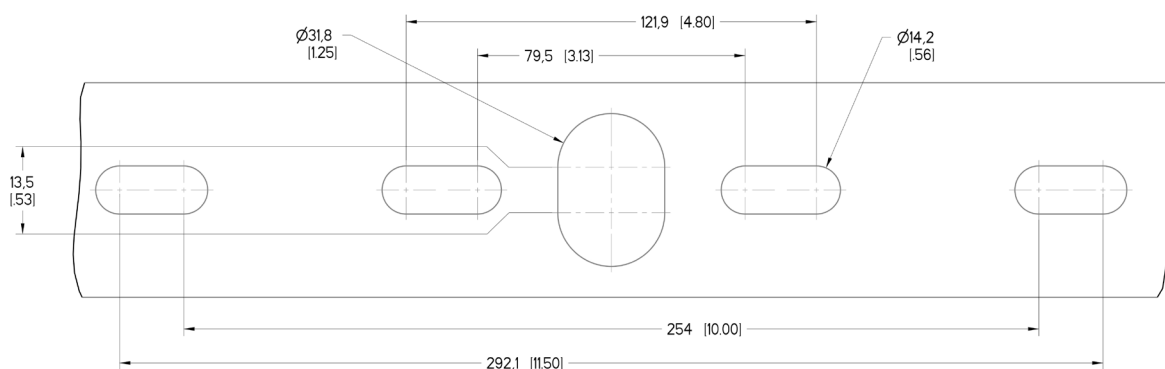
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## Dimensional Drawings

### F1 Mounting Bracket



### F2 Mounting Bracket



Dimensions in mm [inches]

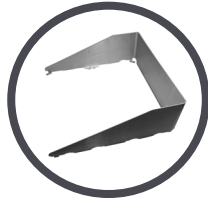
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### Accessories



#### F1NVISOR

- F1 visor NEMA optics



#### F2NVISOR

- F2 visor NEMA optics



#### F2AVISOR

- F2 visor asymmetric optics
- Not suitable for asymmetric wide optic

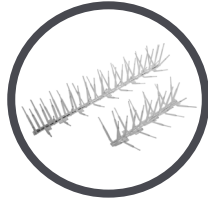


#### H6XCAB72<sup>1</sup>

- 72" stainless steel safety rope
- Kit includes: (1) cable

#### H6XCAB60<sup>1</sup>

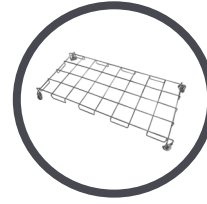
- 60" stainless steel safety rope
- Kit includes: (1) cable



#### F1SPIKES

#### F2SPIKES

- Bird spikes



#### FLWG

- Wire guard
- Kit includes (1) assembly

<sup>1</sup>F1 models require 1 cable per unit. F2 models require 2 cables per unit.

### Replacements\*



#### SLPC01R

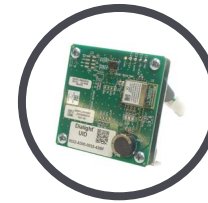
- Photocell, 105-305 VAC

#### SLPC02R

- Photocell, 312-382 VAC

#### SLPC03R

- Photocell, 432-528 VAC



#### FLWIRELESS

- Wireless controls card



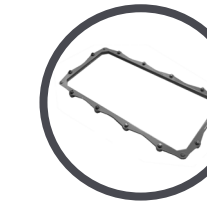
#### FL10KV277

- 10kA surge protection 100-277V

#### FL10KV480

- 10kA surge protection 347-480V

Replacement Power Supplies	
Part Number	Description
F1PS2B	120-277V Power Supply, 12k lm
F1PS2C	120-277V Power Supply, 18k lm
F1PS2E	120-277V Power Supply, 24k lm
F1PS2F	120-277V Power Supply, 30k lm
F2PS2N	120-277V Power Supply, 60k lm
F1PS5B	347-480V Power Supply, 12k lm
F1PS5C	347-480V Power Supply, 18k lm
F1PS5E	347-480V Power Supply, 24k lm
F1PS5F	347-480V Power Supply, 30k lm
F2PS5N	347-480V Power Supply, 60k lm



#### FLGLASSLG

- Glass lens, grey

#### FLPCLG

- Polycarb lens, grey

- Kit includes (1) assembly

\*Replacements parts for CE models only.

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