Dialight

ProSite LED Floodlight

Technical Specification Sheet - EMEA

MARCH 2024

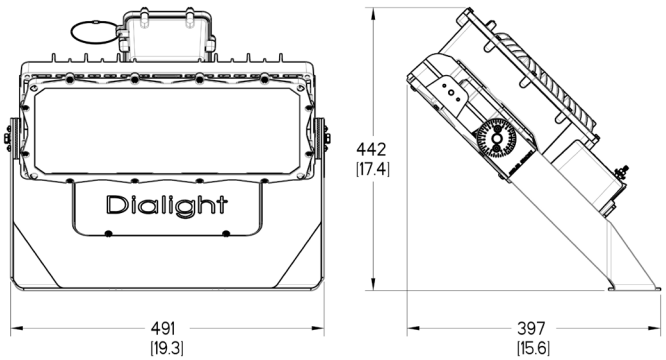
ProSite LED Floodlight - Non-Hazardous

F1 Models

Certifications & Ratings

- 10 year warranty
- CE / ENEC
- 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 13-14

Mechanical Information:

Fixture weight:	10.9 - 13.6 kg
Shipping weight:	~14.5 kg
EPA (m^2):	0.186
Mounting: (all with 7.5° tilt adjustment)	316 stainless steel straight bracket 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: Optional:	IEC 61000-4-5. 6kV line-line and line-ground. Additional surge protection module rated for 10kA, 20kA single strike
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 1 and DALI 2 compatible/0-10 VDC Optional wireless dimming via Dialight IntelliLED controls

Construction:

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

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 Asymmetric Wide
IES files:	Available at www.dialight.com

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

Ordering Information - F1

ProSite LED Floodlight - Non-Hazardous

Industrial - CE							
Part Number	**Lumens**	**Wattage**	**lm/W**	**Voltage**	**CCT**	**Lens**	**Beam Distribution**
12,000lm Models							
F1E-N7B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F1E-N4B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
F1E-7FB2-BDEN-VGN	12,200	81	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1E-NJB2-BDEN-VGN	12,300	81	152	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F1E-N7L2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6L2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F1E-N4L2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F1E-7FL2-BDEN-VGN	12,200	81	151	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F1E-NJL2-BDEN-VGN	12,300	81	152	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
F1E-N7W2-BDEN-VGN	10,200	81	126	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6W2-BDEN-VGN	10,200	81	126	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Wide (125°)
F1E-N4W2-BDEN-VGN	10,200	81	126	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Medium (56°)
F1E-7FW2-BDEN-VGN	9,200	81	114	120-277VAC / 120-250VDC	2700k (warm white)	Glass	Asymmetric
F1E-NJW2-BDEN-VGN	9,300	81	115	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Asymmetric Wide
18,000lm Models							
F1E-N7B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F1E-N4B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
F1E-7FB2-CDEN-VGN	17,700	124	143	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1E-NJB2-CDEN-VGN	17,800	124	144	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F1E-N7L2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6L2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F1E-N4L2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F1E-7FL2-CDEN-VGN	17,700	124	143	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F1E-NJL2-CDEN-VGN	17,800	124	144	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
F1E-N7W2-CDEN-VGN	14,800	124	119	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6W2-CDEN-VGN	14,800	124	119	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Wide (125°)
F1E-N4W2-CDEN-VGN	14,800	124	119	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Medium (56°)
F1E-7FW2-CDEN-VGN	13,400	124	108	120-277VAC / 120-250VDC	2700k (warm white)	Glass	Asymmetric
F1E-NJW2-CDEN-VGN	13,500	124	109	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Asymmetric Wide
30,000lm Models							
F1E-N7B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Wide (125°)
F1E-N4B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Medium (56°)
F1E-7FB2-FDEN-VGN	29,200	234	125	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F1E-NJB2-FDEN-VGN	29,400	234	126	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Asymmetric Wide
F1E-N7L2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6L2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Wide (125°)
F1E-N4L2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Medium (56°)
F1E-7FL2-FDEN-VGN	29,200	234	125	120-277VAC / 120-250VDC	4000k (neutral white)	Glass	Asymmetric
F1E-NJL2-FDEN-VGN	29,400	234	126	120-277VAC / 120-250VDC	4000k (neutral white)	Integrated PC	Asymmetric Wide
F1E-N7W2-FDEN-VGN	24,500	234	105	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Very Wide (131° x 108°)
F1E-N6W2-FDEN-VGN	24,500	234	105	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Wide (125°)
F1E-N4W2-FDEN-VGN	24,500	234	105	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Medium (56°)
F1E-7FW2-FDEN-VGN	22,100	234	94	120-277VAC / 120-250VDC	2700k (warm white)	Glass	Asymmetric
F1E-NJW2-FDEN-VGN	22,300	234	95	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Asymmetric Wide

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 7th character to '5'.
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.
CCT - For 2200k change 6th character to 'U'. Refer to lumen table on page 8-9 for accurate values.
Surge Protection - For 10kA surge protection 120-277VAC 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', for slip fitter change 10th character to 'S'
Amber options available.

ProSite LED Floodlight - Non-Hazardous

F2 Models

Certifications & Ratings

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

Mechanical Information:

Fixture weight:	19.5 - 24.5 kg
Shipping weight:	~25.5 kg
EPA (m^2):	0.310
Mounting: (all with 7.5° tilt adjustment)	316 stainless steel straight bracket 316 stainless steel angled 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 -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: Optional:	IEC 61000-4-5. 6kV line-line and line-ground. Additional surge protection module rated for 10kA, 20kA single strike
THD:	< 20%
Power Factor:	> 0.9
Dimming:	0-10VDC DALI 1 and DALI 2 compatible

Construction:

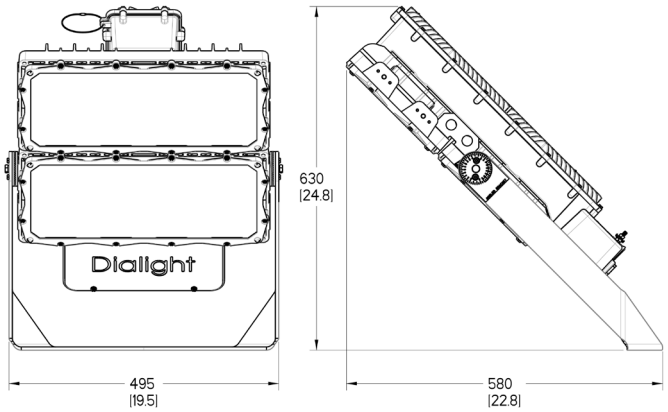
Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover

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 Asymmetric Wide
IES files:	Available at www.dialight.com

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

Angled Bracket



Dimensions in mm [inches]
Additional dimensional drawings on pages 13-14

Ordering Information - F2

ProSite LED Floodlight - Non-Hazardous

Industrial - CE							
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°)
F2E-7FB8-NDEN-VGN	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
F2E-N7W8-NDEN-VGN	50,400	484	104	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Very Wide (131° x 108°)
F2E-N6W8-NDEN-VGN	50,400	484	104	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Wide (125°)
F2E-N4W8-NDEN-VGN	50,400	484	104	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Medium (56°)
F2E-7FW8-NDEN-VGN	45,500	484	94	120-277VAC / 120-250VDC	2700k (warm white)	Glass	Asymmetric
F2E-NJW8-NDEN-VGN	46,800	484	97	120-277VAC / 120-250VDC	2700k (warm white)	Integrated PC	Asymmetric Wide
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
F2E-N7W9-NDEN-VGN	50,400	499	101	347-415-480VAC	2700k (warm white)	Integrated PC	Very Wide (131° x 108°)
F2E-N6W9-NDEN-VGN	50,400	499	101	347-415-480VAC	2700k (warm white)	Integrated PC	Wide (125°)
F2E-N4W9-NDEN-VGN	50,400	499	101	347-415-480VAC	2700k (warm white)	Integrated PC	Medium (56°)
F2E-7FW9-NDEN-VGN	45,500	499	91	347-415-480VAC	2700k (warm white)	Glass	Asymmetric
F2E-NJW9-NDEN-VGN	46,800	499	94	347-415-480VAC	2700k (warm white)	Integrated PC	Asymmetric Wide

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
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.
CCT - For 2200k change 6th character to 'U'. Refer to lumen table on page 8-9 for accurate values.
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'.
Hazardous F2 models available on request.

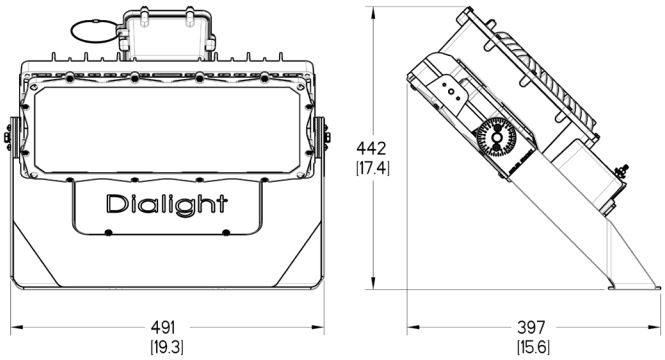
ProSite LED Floodlight - Hazardous

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 13-14

Mechanical Information:

Fixture weight:	10.9 - 13.6 kg
Shipping weight:	~14.5 kg
EPA (m^2):	0.186
Mounting: (all with 7.5° tilt adjustment)	316 stainless steel straight bracket 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 1 and DALI 2 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

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

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°)
F1B-76L2-BDEN-VGN	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
F1B-77W2-BDEN-VGN	9,500	81	117	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Very Wide (131° x 108°)
F1B-76W2-BDEN-VGN	9,500	81	117	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Wide (125°)
F1B-74W2-BDEN-VGN	9,500	81	117	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Medium (56°)
F1B-7FW2-BDEN-VGN	9,200	81	114	120-277VAC / 120 - 250VDC	2700k (warm 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°)
F1B-76L2-CDEN-VGN	18,000	124	145	120-277VAC / 120 - 250VDC	4000k (neutral white)	Glass	Wide (125°)
F1B-74L2-CDEN-VGN	18,000	124	145	120-277VAC / 120 - 250VDC	4000k (neutral white)	Glass	Medium (56°)
F1B-7FL2-CDEN-VGN	17,700	124	143	120-277VAC / 120 - 250VDC	4000k (neutral white)	Glass	Asymmetric
F1B-77W2-CDEN-VGN	13,800	124	111	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Very Wide (131° x 108°)
F1B-76W2-CDEN-VGN	13,800	124	111	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Wide (125°)
F1B-74W2-CDEN-VGN	13,800	124	111	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Medium (56°)
F1B-7FW2-CDEN-VGN	13,400	124	108	120-277VAC / 120 - 250VDC	2700k (warm 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°)
F1B-76L2-FDEN-VGN	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°)
F1B-7FL2-FDEN-VGN	29,200	234	125	120-277VAC / 120 - 250VDC	4000k (neutral white)	Glass	Asymmetric
F1B-77W2-FDEN-VGN	22,800	234	97	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Very Wide (131° x 108°)
F1B-76W2-FDEN-VGN	22,800	234	97	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Wide (125°)
F1B-74W2-FDEN-VGN	22,800	234	97	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Medium (56°)
F1B-7FW2-FDEN-VGN	22,100	234	94	120-277VAC / 120 - 250VDC	2700k (warm white)	Glass	Asymmetric

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
CCT - For 2200k change 6th character to 'U'. Refer to lumen table on page 7 for accurate values.
Mounting Bracket - Angled Bracket supplied as standard - for straight bracket change 10th character to 'F'.
Amber options available.

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 Tables

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

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

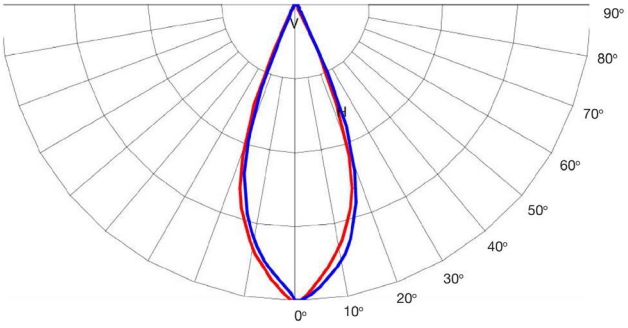
277 VAC			
Lumen Output	10 Amp	16 Amp	20 Amp
12,000	20	32	40
18,000	13	21	26
24,000	9	15	19
30,000 F1	7	11	14
30,000F2	8	13	16
36,000	7	11	14
48,000	5	8	9
60,000	3	5	7
12,000 Amber	7	12	14
24,000 Amber	4	6	7

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

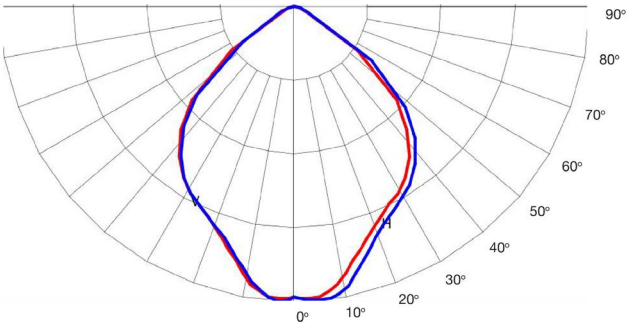
Dialight recommends using B or C type breakers.
These tables are based on steady-state input current and nominal breaker current ratings @ 80% derating.

Beam Distribution

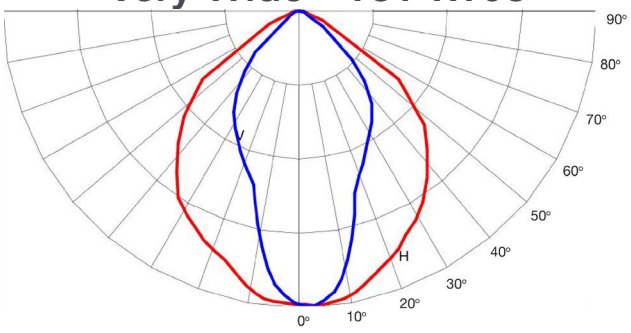
Medium - 55°



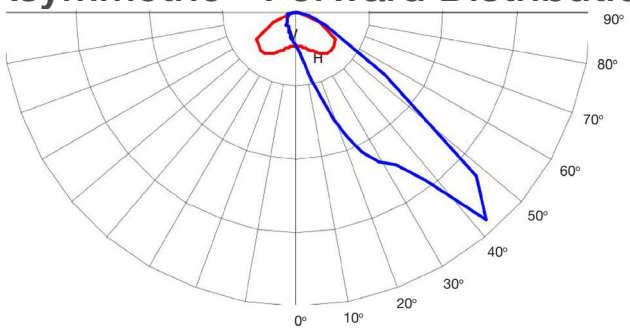
Wide - 125°



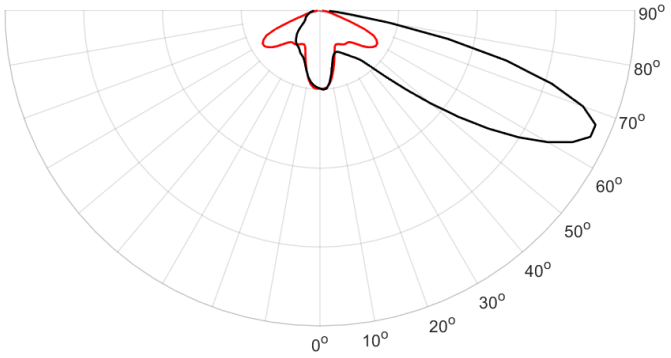
Very Wide - 131°x108°



Asymmetric - Forward Distribution



Asymmetric Wide



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%

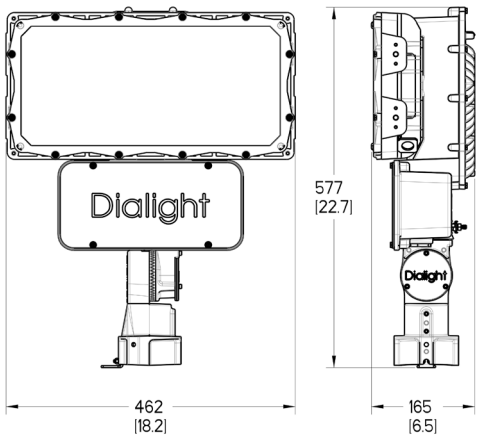
F1 Floodlight 30k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	95%	93%	91%	89%	87%	85%	79%
30°C	99%	97%	94%	92%	90%	88%	86%	84%	78%
35°C	98%	96%	93%	91%	89%	87%	85%	83%	77%
40°C	97%	94%	92%	90%	88%	85%	83%	82%	76%
45°C	96%	93%	91%	88%	86%	84%	82%	81%	74%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

Lumen Maintenance Factor - F2

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%

Dimensional Drawings

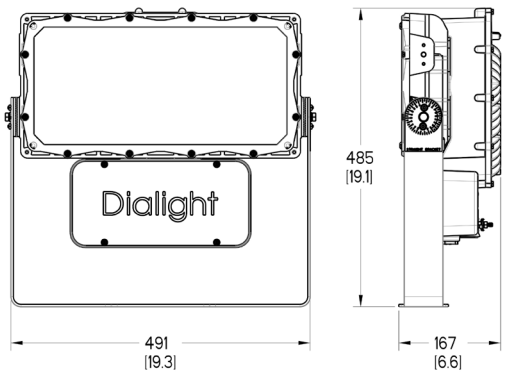
F1 Slipfitter Bracket - CE



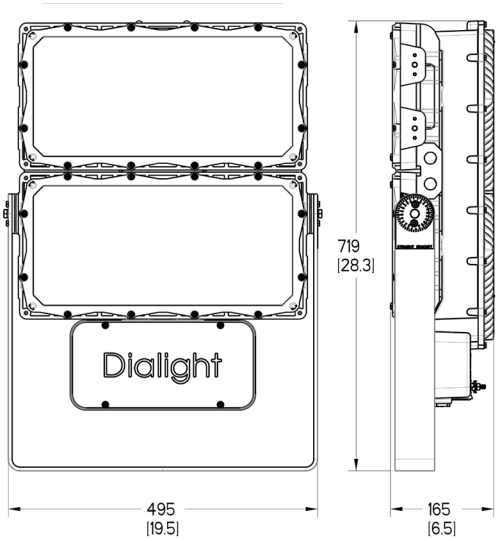
Dimensions in mm [inches]

Dimensional Drawings

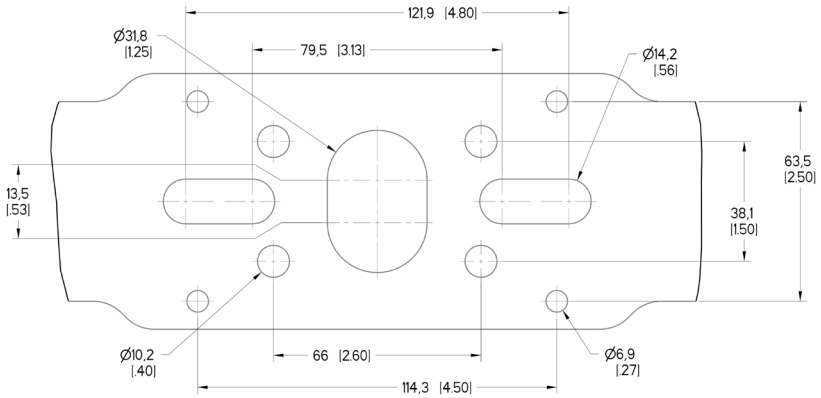
F1 Straight Bracket



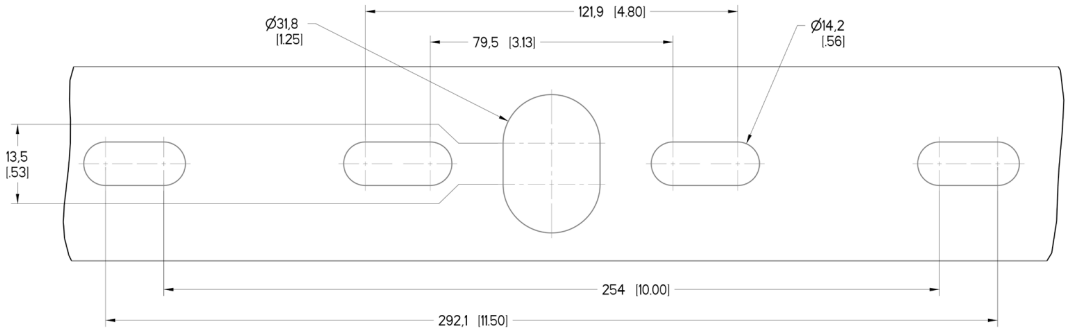
F2 Straight Bracket



F1 Mounting Bracket



F2 Mounting Bracket



Dimensions in mm [inches]

Accessories

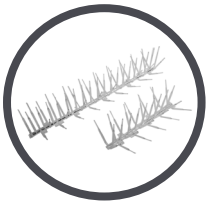
F1NVISOR
- F1 visor NEMA optics

F2NVISOR
- F2 visor NEMA optics

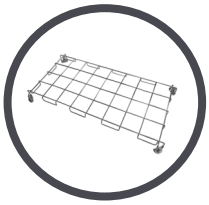
F2AVISOR
- F2 visor asymmetric optics
- Not suitable for asymmetric wide optic

H6XCAB72[1]
- 72” stainless steel safety rope
- Kit includes: (1) cable

H6XCAB60[1]
- 60” stainless steel safety rope
- Kit includes: (1) cable



F1SPIKES
F2SPIKES
- Bird spikes



FLWG
- Wire guard
- Kit includes (1) assembly

[1]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

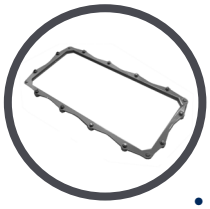
SLPC03R
- Photocell, 432-528 VAC

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
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
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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