





# ProSite LED Floodlight Technical Specification Sheet - CE



# **ProSite LED Floodlight - CE**

#### F1 Models

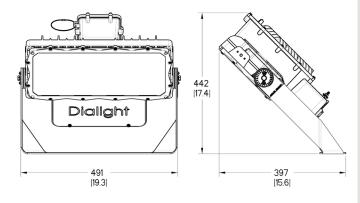


Patent Pending

#### **Certifications & Ratings**

- 10 year warranty
- CE
- ENEC
- IP66/67
- IK10 (integrated PC optic/lens/lens cover), IK08 (glass lens cover)
- L70 > 150,000 hours @ 25°C ambient

### **Angled Bracket**



Dimensions in mm [inches]
Additional dimensional drawings on pages 10-11

#### **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° tilting increments) 316 stainless steel angled bracket

Slipfitter bracket

Cable entry: 2 x M25

#### **Electrical Specifications:**

Operating voltage: 120-277 VAC / 120-250 VDC

347-415 VAC

Operating temp:  $-40^{\circ}\text{C to } +65^{\circ}\text{C}$ 

EMC: CISPR 15

FCC 47CFR 15 IEC 61000-3-3 IEC 61547 IEC 61000-3-2

Transient protection: 6KV/3KA combination wave, as per IEEE

C62.41, line-line and line-ground. 10kV/5kA for non-hazardous models

**THD:** < 20% **Power Factor:** > 0.9

**Dimming:** Wireless dimming controls

via Dialight IntelliLED,

DALI 2.0 compatible/ 0-10 VDC

#### Construction:

Optional:

**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)

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%)

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# **Ordering Information**

### ProSite LED Floodlight - CE



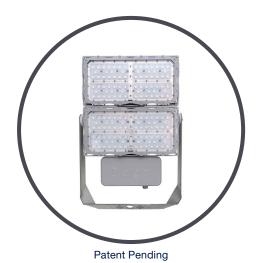
Industrial - CE											
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	ССТ	Lens	Beam Distribution				
	12,000lm - Angled Bracket										
F1E-N7B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)				
F1E-N6B2-BDEN-VGN	13,200	81	163	120-277VAC / 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				
				18,000lm - Angled Br	acket						
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				
				30,000lm - Angled Br	acket						
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				

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
Voltage - For 347-415 VAC change 7th character to '5'.
CCT - For 4000k change 6th character to '1.'. For 2700k change 6th character to 'W'. Amber options available.
Lens - For glass lens cover change 4th character to a '7', For PC lens cover change 4th character to a '4'.
Surge Protection - for 10kV surge protection 120-277VAC change 7th character to '8'. For 10kV surge protection 347-415 VAC change 7th character to '9'
PE Cell - For NEMA PE Cell Receptacle with shorting cap change 9th character to 'S'.
Mounting Bracket - For straight bracket change 10th character to 'F', for slip fitter change 10th character to 'S'.



# **ProSite LED Floodlight - CE**

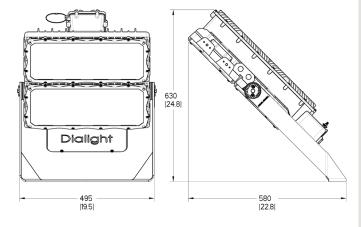
### F2 Models



#### **Certifications & Ratings**

- 10 year warranty
- CE
- ENEC
- IP66/67
- IK10 (integrated PC optic/lens/lens cover), IK08 (glass lens cover)
- L70 > 150,000 hours @ 25°C ambient

### **Angled Bracket**



Dimensions in mm [inches]
Additional dimensional drawings on pages 10-11

#### **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° tilting increments) 316 stainless steel angled bracket

Cable entry: 2 x M25

#### **Electrical Specifications:**

Operating voltage: 120-277 VAC / 120-250 VDC

347-415 VAC

Operating temp: -40°C to +65°C

-40°C to +55°C - 60klm

EMC: CISPR 15

FCC 47CFR 15 IEC 61000-3-3 IEC 61547 IEC 61000-3-2

**Transient protection:** 10kV/5kA

 THD:
 < 20%</td>

 Power Factor:
 > 0.9

 Dimming:
 0-10VDC

#### 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)

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%)

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# **Ordering Information**

### ProSite LED Floodlight - CE

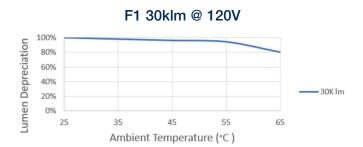


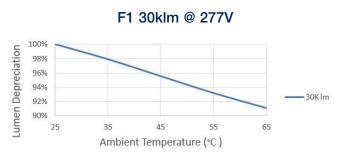
Industrial - CE / RCM										
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	ССТ	Lens	Beam Distribution			
60,000lm - 10kV Surge Protection - Angled Bracket										
F2E-N7B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)			
F2E-N6B8-NDEN-VGN	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-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			
		60	,000lm -	10kV Surge Protection - An	gled Bracket - 415 VAC	;				
F2E-N7B9-NDEN-VGN	65,000	499	130	347-415VAC	5000k (cool white)	Integrated PC	Very Wide (131° x 108°)			
F2E-N6B9-NDEN-VGN	65,000	499	130	347-415VAC	5000k (cool white)	Integrated PC	Wide (125°)			
F2E-N4B9-NDEN-VGN	65,000	499	130	347-415VAC	5000k (cool white)	Integrated PC	Medium (56°)			
F2E-7FB9-NDEN-VGN	60,100	499	120	347-415VAC	5000k (cool white)	Glass	Asymmetric			
F2E-N7L9-NDEN-VGN	65,000	499	130	347-415VAC	4000k (neutral white)	Integrated PC	Very Wide (131° x 108°)			
F2E-N6L9-NDEN-VGN	65,000	499	130	347-415VAC	4000k (neutral white)	Integrated PC	Wide (125°)			
F2E-N4L9-NDEN-VGN	65,000	499	130	347-415VAC	4000k (neutral white)	Integrated PC	Medium (56°)			
F2E-7FL9-NDEN-VGN	60,100	499	120	347-415VAC	4000k (neutral white)	Glass	Asymmetric			

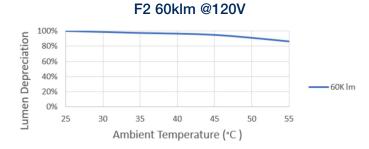
All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
CCT - For 4000k change 6th character to 'L'. For 2700k change 6th character to 'W'.
Lens - For glass lens cover change 4th character to a '7', For PC lens cover change 4th character to a '6'.
PE Cell - For NEMA PE Cell Receptacle with shorting cap change 9th character to 'S'.
Mounting Bracket - For straight bracket change 10th character to 'F'

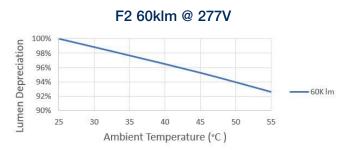


### **Thermal Roll-Off**

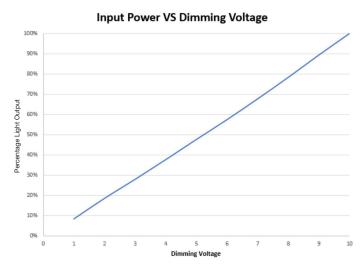


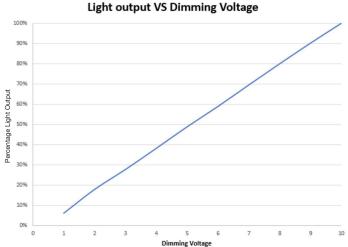






# **Dimming Characteristics**





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### In Rush Current

1	In rush	current @ input	voltage	Time duration of in rush current @ input voltage			
Lumen Output	120 VAC	277 VAC	415 VAC	120 VAC	277 VAC	415 VAC	
60,000	15	36	10	1.5mS	1.5ms	.9ms	
48,000	15	36	10	1.5mS	1.5ms	.9ms	
36,000	8	18	5	1.5mS	1.5ms	.9ms	
30,000	8	18	5	1.5mS	1.5ms	.9ms	
24,000	8	18	5	1.5mS	1.5ms	.9ms	
18,000	8	18	5	1.5mS	1.5ms	.9ms	
12,000	8	18	5	1.5mS	1.5ms	.9ms	
Amber 27,000	15	36	10	1.5mS	1.5ms	.9ms	
Amber 13,500	8	18	5	1.5mS	1.5ms	.9ms	

# Maximum per Circuit Breaker

120 VAC								
Lumen Output	C10	B16	C16					
60,000	2	3	3					
48,000	2	4	4					
36,000	3	5	5					
30,000 (F2)	4	6	6					
30,000 (F1)	3	5	5					
24,000	4	7	7					
18,000	6	10	10					
12,000	10	16	16					
Amber 27,000	2	3	3					
Amber 13,500	3	6	6					

	277 VAC								
C10	B16	C16							
3	5	5							
5	8	8							
7	11	11							
8	13	13							
7	11	11							
9	15	15							
13	21	21							
20	32	32							
4	6	6							
7	12	12							

415 VAC								
C10	B16	C16						
5	8	8						
7	11	11						
10	16	16						
12	19	19						
10	17	17						
14	22	22						
19	31	31						
29	47	47						
6	9	9						
12	19	19						

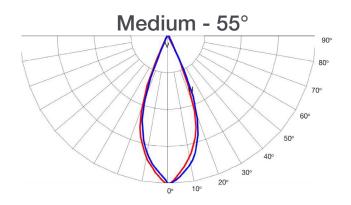
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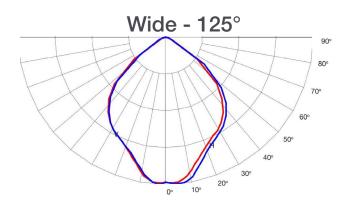


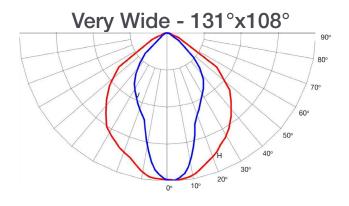
# Earth Leakage (Normal & Fault)

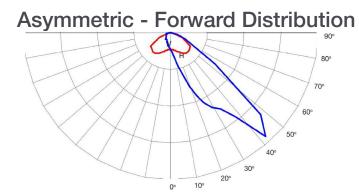
Voltage	Normal (uAmps)	Live-Neutral reversed (uAmps)	Normal open (uAmps)							
F1xxxx2FxxNxGN Model - 30klm, 120-277 VAC										
120V/60Hz	252	255	395	0						
230V/50Hz	353	356	642	0						
277V/60Hz	510	517	920	0						
415V/50Hz	<510	<514	562	564						
	F2xxxx2Nxx	NxGN Model - 60klm, 1	20-277 VAC							
120V/60Hz	488	480	808	0						
230V/50Hz	694	698	1304	0						
277V/60Hz	995	991	1859	0						
415V/50Hz	<791	<790	961	995						

# **Beam Distribution**









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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 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%	

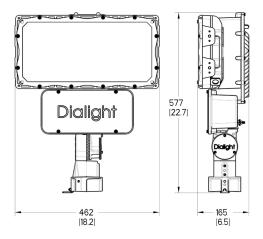
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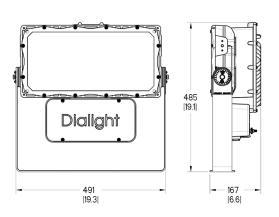


# **Dimensional Drawings**

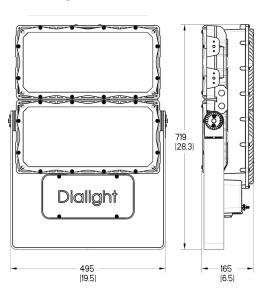
### F1 Slipfitter Bracket - CE



F1 Straight Bracket



F2 Straight Bracket



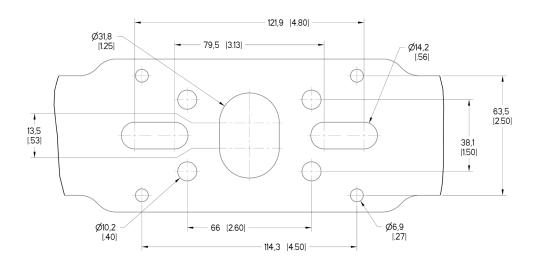
Dimensions in mm [inches]

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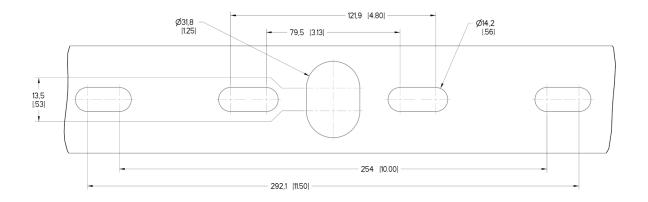


# **Dimensional Drawings**

### 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



#### H6XCAB72

- 72" stainless steel safety rope
- Kit includes: (1) cable H6XCAB60<sup>2</sup>
- 60" stainless steel safety rope
- Kit includes: (1) cable



F1SPIKES F2SPIKES

Bird spikes



#### **FLWG**

- Wire guard
- Kit includes (1) assembly

<sup>1</sup>Brackets and adapters require the tenon pole topper (FLX-1TPT-20DB) to mount floodlight. Tenon pole topper sold separately. <sup>2</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

- 10kV surge protection 100-277V
- FL10KV480
- 10kV surge protection 347-480V



#### **FLGLASSLG**

- Glass lens, grey **FLGLASSLZ**
- Glass lens, bronze FLPCLG
- Polycarb lens, grey **FLPCLZ**
- Polycarb lens, bronze
- Kit includes (1) assembly

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