



ProSite LED Floodlight

Technical Specification Sheet - Americas

ProSite LED Floodlight - UL / CSA

F1 Models

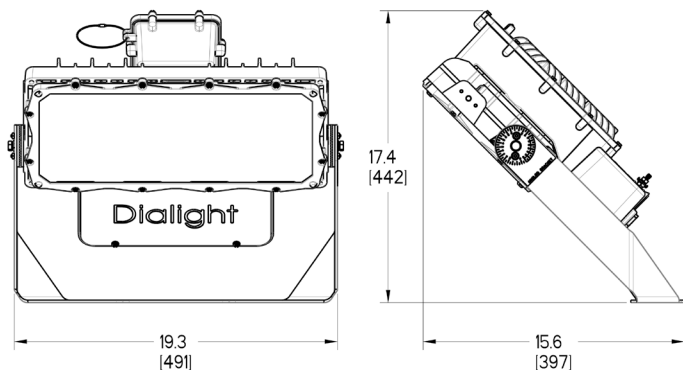


Patent Pending

Certifications & Ratings

- 10 year warranty
- UL 1598/A / CSA C22.2 No. 250.0 / NOM
- UL 844 / CSA C22.2 No. 137
 - Class I, Division 2 (Groups A, B, C, D)
 - Class I, Zone 2 (Groups IIC)
 - Class II, Division 1 (Groups E, F, G) - up to 18k lumen models
 - Class II, Division 2 (Groups F, G)
 - Zone 20, 21 & 22
 - Class III
- IP66/67, NEMA 4X
- ABS/DNV
- IK10 (integrated PC optic/lens/lens cover), IK08 (glass lens cover)
- L70 > 150,000 hours @ 25°C ambient
- DLC/DLC Premium - selected models

Angled Bracket



Dimensions in inches [mm]

Additional dimensional drawings on pages 17-18

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.

Mechanical Information:

Fixture weight:	24 - 30 lbs
Shipping weight:	~32 lbs
EPA (sq. ft):	2.00
Mounting: (all with 7.5° tilting increments)	316 stainless steel straight bracket 316 stainless steel angled bracket Slipfitter bracket
Cable entry:	2 x 3/4" NPT

Electrical Specifications:

Operating voltage:	120-277VAC / 120-250VDC 347-480 VAC
Operating temp:	-40°F to +149°F (-40°C to +65°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. Optional: 10kV/5kA for non-hazardous models 20kV/10kA single strike
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 2.0 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
Beam pattern:	NEMA 4 NEMA 6 NEMA 7x6 Asymmetric Asymmetric Wide
IES files:	Available at www.dialight.com
All values typical unless otherwise stated (tolerance +/- 10%)	

Temperature Ratings

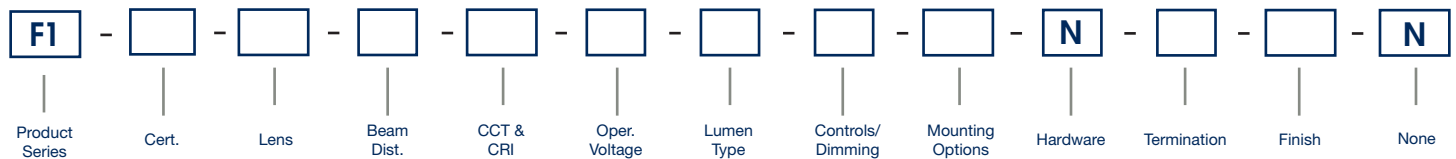
Ambient Temperature T-Code: T4	Ambient Temperature T-Code: T4A
-40°F to +149°F (-40°C to +65°C)	-40°F to +131°F (-40°C to +55°C)

ProSite LED Floodlight - UL / CSA F1 Models



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information



Product Series	CCT & CRI	Controls/Dimming	Termination
F1 ProSite Floodlight F1 Model	B Cool White 5000K - 70 CRI	D 0-10V / DALI	U 6mm ² Terminal Block - Screw Down*
	L Neutral White 4000K - 70 CRI	J Dialight IntelliLED Wireless Controls 2.4GHz	V 4mm ² Terminal Block - Push Down
	U Warm White 2200K - 70 CRI*	S Receptacle with Shorting Cap (non-hazardous only)	*The 6mm ² terminals are only for the incoming power connections. The 6mm ² terminals are single pole and cannot be used for 'through' wiring. The 6mm ² terminals are not available for 347-480V models.
	W Warm White 2700K - 80 CRI*		
	*Lumen output decreases for warm white CCT options. Refer to lumen table on pages 10-11 for accurate values.		
Certification	Operating Voltage	Mounting Options	Finish
D UL 844 CID2, CIID2, CIII	2 120-277VAC / 120-250VDC	E 316 SS Angled Bracket	G Gray (RAL 7040)
F UL 844 CIID1, CID2, CIID2, CIII (up to 18k lm models)	5 347-480 VAC	F 316 SS Straight Bracket	Z Bronze (RAL 7022)
U UL 1598/A / CSA	8 120-277VAC / 120-250VDC 10kV surge (non-hazardous only)	S Slipfitter (1-1/4" - 2-3/8" OD)*	
	9 347-480 VAC 10kV surge (non-hazardous only)	*For Slipfitter mounting UL844 models are only rated up to CID2 (A, B, C & D)	
Lens*	Lumen Type*	Hardware	None
N Integrated PC Optic/Lens Only	B 12,000 Lumens	N No Option	N No Options
4 PC Lens Cover	C 18,000 Lumens		
7 Glass Lens Cover	E 24,000 Lumens		
*Lens option 4 and 7 is not available for asymmetric wide optic	F 30,000 Lumens		
	*Excludes amber. Refer to lumen table on pages 10-11 for accurate values.		
Beam Distribution			
4 NEMA 4			
6 NEMA 6			
7 NEMA 7x6			
F Asymmetric*			
J Asymmetric Wide			
*For Asymmetric beam distribution either a PC or Glass lens cover must be included			

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Ordering Information - F1

ProSite LED Floodlight - UL / CSA



Industrial - UL 1598 / CSA							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
12,000lm Models							
F1U-N7B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-BDEN-VGN	13,200	81	163	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-BDEN-VGN	13,200	84	158	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-BDEN-VGN	13,200	84	158	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-BDEN-VGN	13,200	84	158	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
18,000lm Models							
F1U-N7B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-CDEN-VGN	19,100	124	154	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-CDEN-VGN	19,100	128	149	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-CDEN-VGN	19,100	128	149	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-CDEN-VGN	19,100	128	149	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
24,000lm Models							
F1U-N7B2-EDEN-VGN	25,000	175	143	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-EDEN-VGN	25,000	175	143	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-EDEN-VGN	25,000	175	143	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-EDEN-VGN	25,000	179	140	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-EDEN-VGN	25,000	179	140	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-EDEN-VGN	25,000	179	140	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
30,000lm Models							
F1U-N7B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B2-FDEN-VGN	31,600	234	135	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F1U-N7B5-FDEN-VGN	31,600	237	133	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F1U-N6B5-FDEN-VGN	31,600	237	133	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F1U-N4B5-FDEN-VGN	31,600	237	133	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4

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

See ordering information chart for additional options.

Part numbers listed in bold are typically available in stock.

Mounting Bracket - Angled Bracket supplied as standard.

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.



Ordering Information - F1

ProSite LED Floodlight - UL / CSA

Hazardous - UL844 CID2, CIID2, CIII							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
12,000lm Models							
F1D-77B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 4
18,000lm Models							
F1D-77B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 4
24,000lm Models							
F1D-77B2-EDEN-VGN	23,600	175	135	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-EDEN-VGN	23,600	175	135	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-EDEN-VGN	23,600	175	135	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-EDEN-VGN	23,600	179	132	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-EDEN-VGN	23,600	179	132	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-EDEN-VGN	23,600	179	132	347-480VAC	5000k (cool white)	Glass	NEMA 4
30,000lm Models							
F1D-77B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1D-74B2-FDEN-VGN	29,900	234	128	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1D-77B5-FDEN-VGN	29,900	237	126	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1D-76B5-FDEN-VGN	29,900	237	126	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1D-74B5-FDEN-VGN	29,900	237	126	347-480VAC	5000k (cool white)	Glass	NEMA 4
Hazardous - UL844 CIID1							
12,000lm Models							
F1F-77B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1F-74B2-BDEN-VGN	12,500	81	154	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1F-77B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1F-74B5-BDEN-VGN	12,500	84	150	347-480VAC	5000k (cool white)	Glass	NEMA 4
18,000lm Models							
F1F-77B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F1F-74B2-CDEN-VGN	18,000	124	145	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F1F-77B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F1F-76B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 6
F1F-74B5-CDEN-VGN	18,000	128	141	347-480VAC	5000k (cool white)	Glass	NEMA 4

All values typical unless otherwise stated (tolerance +/- 10%).
See previous page notes and warranty information.

ProSite LED Floodlight - UL / CSA

F2 Models

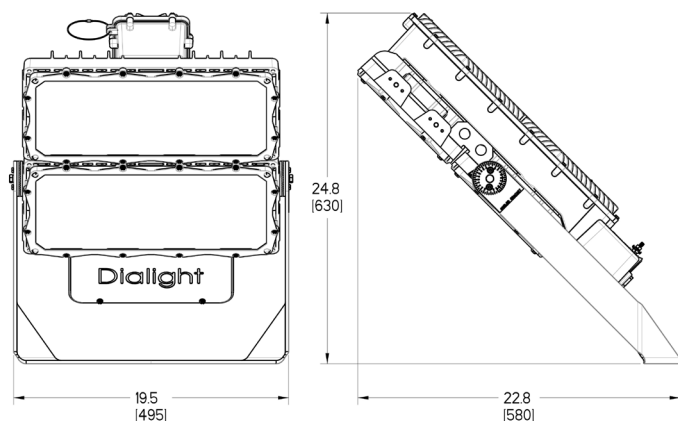


Patent Pending

Certifications & Ratings

- 10 year warranty
- UL 1598/A / CSA C22.2 No. 250.0 / NOM
- UL 844 / CSA C22.2 No. 137
 - Class I, Division 2 (Groups A, B, C, D)
 - Class I, Zone 2 (Groups II C)
 - Class II, Division 1 (Groups E, F, G) - up to 36k lumen models
 - Class II, Division 2 (Groups F, G)
 - Zone 20, 21 & 22
 - Class III
- IP66/67, NEMA 4X
- ABS/DNV
- IK10 (integrated PC optic/lens/lens cover), IK08 (glass lens cover)
- L70 > 150,000 hours @ 25°C ambient
- DLC/DLC Premium - selected models

Angled Bracket



Dimensions in inches [mm]
Additional dimensional drawings on pages 17-18

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Mechanical Information:

Fixture weight:	43 - 54 lbs
Shipping weight:	~56 lbs
EPA (sq. ft):	3.33
Mounting: (all with 7.5° tilting increments)	316 stainless steel straight bracket 316 stainless steel angled bracket
Cable entry:	2 x ¾" NPT

Electrical Specifications:

Operating voltage:	120-277VAC / 120-250VDC 347-480 VAC
Operating temp:	-40°F to +149°F (-40°C to +65°C) -40°F to +131°F (-40°C to +55°C) - 60klm
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. Optional: 10kV/5kA for non-hazardous models 20kV/10kA single strike
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 2.0 compatible/0-10 VDC Optional wireless dimming via Dialight IntelliLED controls (up to 36klm only)

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
Beam pattern:	NEMA 4 NEMA 6 NEMA 7x6 Asymmetric Asymmetric Wide
IES files:	Available at www.dialight.com
All values typical unless otherwise stated (tolerance +/- 10%)	

Temperature Ratings

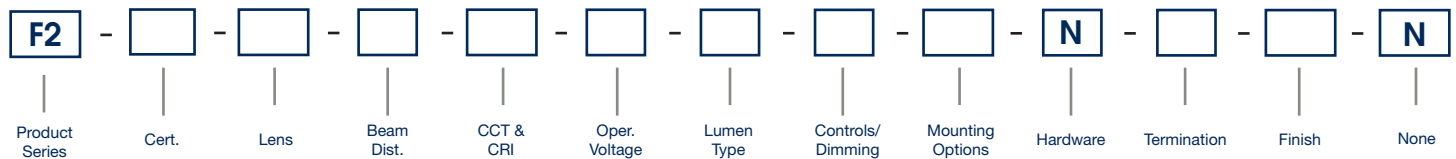
Ambient Temperature T-Code: T4	Ambient Temperature T-Code: T4A
-40°F to +149°F (-40°C to +65°C)	-40°F to +131°F (-40°C to +55°C)

ProSite LED Floodlight - UL / CSA F2 Models



Project Information			Specifications	
Part Number:				
Project:				
Fixture Type:		Date:		

Ordering Information



Product Series F2 ProSite Floodlight F2 Model	CCT & CRI B Cool White 5000K - 70 CRI L Neutral White 4000K - 70 CRI U Warm White 2200K - 70 CRI* W Warm White 2700K - 80 CRI* *Lumen output decreases for warm white CCT options. Refer to lumen table on pages 10-11 for accurate values.	Controls/Dimming D 0-10V / DALI as standard J Dialight IntelliLED Wireless Controls 2.4GHz (Available up to 36klm models) S Receptacle with Shorting Cap (non-hazardous only)	Termination U 6mm ² Terminal Block - Screw Down* V 4mm ² Terminal Block - Push Down *The 6mm² terminals are only for the incoming power connections. The 6mm² terminals are single pole and cannot be used for 'through' wiring. The 6mm² terminals are not available for 347-480V models.
Certification D UL 844 CID2, CIID2, CIII F UL 844 CIID1, CID2, CIID2, CIII (up to 36k lm models) U UL 1598/A / CSA	Operating Voltage 2 120-277VAC / 120-250VDC 5 347-480 VAC 8 120-277VAC / 120-250VDC 10kV surge (non-hazardous only) 9 347-480 VAC 10kV surge (non-hazardous only)	Mounting Options E 316 SS Angled Bracket F 316 SS Straight Bracket	Finish G Gray (RAL 7040) Z Bronze (RAL 7022)
Lens* N Integrated PC Optic/Lens Only 4 PC Lens Cover 7 Glass Lens Cover *Lens option 4 and 7 is not available for asymmetric wide optic	Lumen Type* F 30,000 Lumens H 36,000 Lumens L 48,000 Lumens N 60,000 Lumens *Excludes amber. Refer to lumen table on pages 10-11 for accurate values.	Hardware N No Option	Battery N No Options
Beam Distribution 4 NEMA 4 6 NEMA 6 7 NEMA 7x6 F Asymmetric* J Asymmetric Wide *For Asymmetric beam distribution either a PC or Glass lens cover must be included			

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Ordering Information - F2

ProSite LED Floodlight - UL / CSA



Industrial - UL 1598 / CSA							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
36,000lm Models							
F2U-N7B2-HDEN-VGN	37,500	234	160	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B2-HDEN-VGN	37,500	234	160	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B2-HDEN-VGN	37,500	234	160	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-N7B5-HDEN-VGN	37,500	241	155	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B5-HDEN-VGN	37,500	241	155	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B5-HDEN-VGN	37,500	241	155	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
48,000lm Models							
F2U-N7B8-LDEN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B8-LDEN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B8-LDEN-VGN	51,000	346	147	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-N7B9-LDEN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B9-LDEN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B9-LDEN-VGN	51,000	357	143	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
60,000lm Models							
F2U-N7B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B8-NDEN-VGN	65,000	484	134	120-277VAC / 120-250VDC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB8-NDEN-VGN	60,100	484	124	120-277VAC / 120-250VDC	5000k (cool white)	Glass	Asymmetric
F2U-N7B9-NDEN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 7x6
F2U-N6B9-NDEN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 6
F2U-N4B9-NDEN-VGN	65,000	499	130	347-480VAC	5000k (cool white)	Integrated PC	NEMA 4
F2U-7FB9-NDEN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric

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

See ordering information chart for additional options.

Part numbers listed in bold are typically available in stock.

Mounting Bracket - Angled Bracket supplied as standard.

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Ordering Information - F2

ProSite LED Floodlight - UL / CSA



Hazardous - UL844 CID2, CIID2, CIII							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
36,000lm Models							
F2D-77B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2D-74B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2D-74B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 4
48,000lm Models							
F2D-77B2-LDEN-VGN	48,200	346	139	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B2-LDEN-VGN	48,200	346	139	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2D-74B2-LDEN-VGN	48,200	346	139	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-LDEN-VGN	48,200	357	135	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B5-LDEN-VGN	48,200	357	135	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2D-74B5-LDEN-VGN	48,200	357	135	347-480VAC	5000k (cool white)	Glass	NEMA 4
60,000lm Models							
F2D-77B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2D-74B2-NDEN-VGN	61,400	484	127	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-NDEN-VGN	61,400	499	123	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2D-76B5-NDEN-VGN	61,400	499	123	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2D-74B5-NDEN-VGN	61,400	499	123	347-480VAC	5000k (cool white)	Glass	NEMA 4
F2D-77B5-NDEN-VGN	60,100	499	120	347-480VAC	5000k (cool white)	Glass	Asymmetric
Hazardous - UL844 CIID1							
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
30,000lm Models							
F2F-77B2-FDEN-VGN	30,200	200	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B2-FDEN-VGN	30,200	200	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2F-74B2-FDEN-VGN	30,200	200	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2F-77B5-FDEN-VGN	30,200	206	147	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B5-FDEN-VGN	30,200	206	147	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2F-74B5-FDEN-VGN	30,200	206	147	347-480VAC	5000k (cool white)	Glass	NEMA 4
36,000lm Models							
F2F-77B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 6
F2F-74B2-HDEN-VGN	35,400	234	151	120-277VAC / 120-250VDC	5000k (cool white)	Glass	NEMA 4
F2F-77B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 7x6
F2F-76B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 6
F2F-74B5-HDEN-VGN	35,400	241	147	347-480VAC	5000k (cool white)	Glass	NEMA 4

All values typical unless otherwise stated (tolerance +/- 10%).
See ordering information chart for additional options.
Mounting Bracket - Angled Bracket supplied as standard.

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Lumen Tables

Lumen Output Family	Optic	PC Optic Only				Glass Lens				Polycarbonate Lens			
		5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K
12,000	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
	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
	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	-	-	-	-	12,200	12,200	9,200	9,400	11,500	11,500	8,500	8,700
	Asymmetric Wide	12,300	12,300	9,300	9,500	-	-	-	-	-	-	-	-
18,000	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
	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
	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	-	-	-	-	17,700	17,700	13,400	13,700	16,600	16,600	12,300	12,600
	Asymmetric Wide	17,800	17,800	13,500	13,800	-	-	-	-	-	-	-	-
24,000	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
	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
	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	-	-	-	-	23,100	23,100	17,500	17,900	21,800	21,800	16,100	16,500
	Asymmetric Wide	23,300	23,300	17,600	18,000	-	-	-	-	-	-	-	-
F1 30,000	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
	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
	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	-	-	-	-	29,200	29,200	22,100	22,600	27,500	27,500	20,400	20,900
	Asymmetric Wide	29,400	29,400	22,300	22,800	-	-	-	-	-	-	-	-
F2 30,000	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
	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
	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	-	-	-	-	29,600	29,600	22,400	22,900	27,800	27,800	20,600	21,100
	Asymmetric Wide	29,800	29,800	22,600	23,000	-	-	-	-	-	-	-	-
36,000	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
	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
	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	-	-	-	-	34,700	34,700	26,300	26,800	32,600	32,600	24,200	24,800
	Asymmetric Wide	34,900	34,900	26,400	27,000	-	-	-	-	-	-	-	-
48,000	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
	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
	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	-	-	-	-	47,200	47,200	35,700	36,500	44,400	44,400	32,900	33,700
	Asymmetric Wide	47,400	47,400	36,000	36,700	-	-	-	-	-	-	-	-
60,000	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
	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
	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	-	-	-	-	60,100	60,100	45,500	46,500	56,600	56,600	41,900	42,900
	Asymmetric Wide	60,500	60,500	45,800	46,800	-	-	-	-	-	-	-	-

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Lumen Tables

Lumen Output Family	Optic	PC Optic Only	Glass Lens	Polycarbonate Lens
		Amber	Amber	Amber
F1 12,000	NEMA 4	13,000	12,300	11,600
	NEMA 6	13,000	12,300	11,600
	NEMA 7x6	13,000	12,300	11,600
	Asymmetric	-	11,600	10,500
	Asymmetric Wide	11,700	-	-
F2 24,000	NEMA 4	23,000	21,700	20,500
	NEMA 6	23,000	21,700	20,500
	NEMA 7x6	23,000	21,700	20,500
	Asymmetric	-	20,600	18,500
	Asymmetric Wide	20,700	-	-

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In Rush Current

Lumen Output	In rush current @ input voltage				Time duration of in rush current @ input voltage			
	120 VAC	277 VAC	347 VAC	480 VAC	120 VAC	277 VAC	347 VAC	480 VAC
60,000	15	36	8	11	1.5mS	1.5ms	.9ms	.9ms
48,000	15	36	8	11	1.5mS	1.5ms	.9ms	.9ms
36,000	8	18	4	6	1.5mS	1.5ms	.9ms	.9ms
30,000	8	18	4	6	1.5mS	1.5ms	.9ms	.9ms
24,000	8	18	4	6	1.5mS	1.5ms	.9ms	.9ms
18,000	8	18	4	6	1.5mS	1.5ms	.9ms	.9ms
12,000	8	18	4	6	1.5mS	1.5ms	.9ms	.9ms
Amber 24,000	15	36	8	11	1.5mS	1.5ms	.9ms	.9ms
Amber 12,000	8	18	4	6	1.5mS	1.5ms	.9ms	.9ms

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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

277 VAC		
10 Amp	16 Amp	20 Amp
20	32	40
13	21	26
9	15	19
7	11	14
8	13	16
7	11	14
5	8	9
3	5	7
7	12	14
4	6	7

347 VAC			
Lumen Output	10 Amp	16 Amp	20 Amp
12,000	24	39	49
18,000	16	26	32
24,000	11	18	23
30,000 F1	9	14	17
30,000F2	10	16	20
36,000	8	14	17
48,000	6	9	11
60,000	4	7	8
12,000 Amber	9	14	18
24,000 Amber	4	7	8

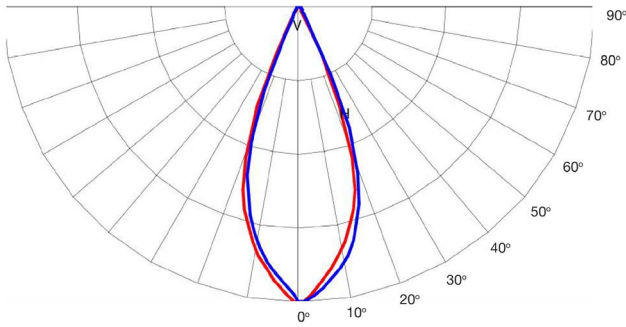
480 VAC		
10 Amp	16 Amp	20 Amp
34	54	67
22	35	44
16	25	32
12	19	24
14	22	27
12	19	23
8	13	16
6	9	11
12	20	25
6	9	12

Dialight recommends using B or C type breakers

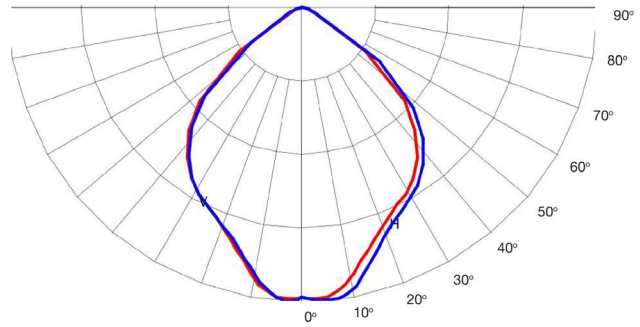
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Beam Distribution

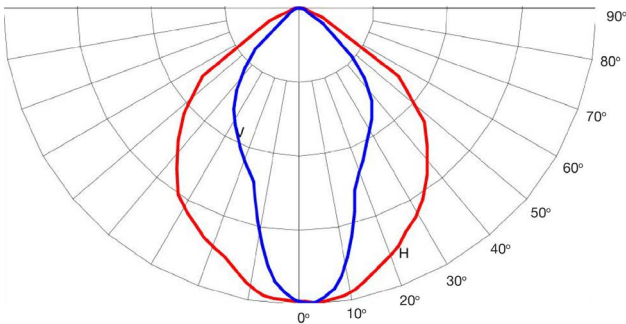
NEMA 4



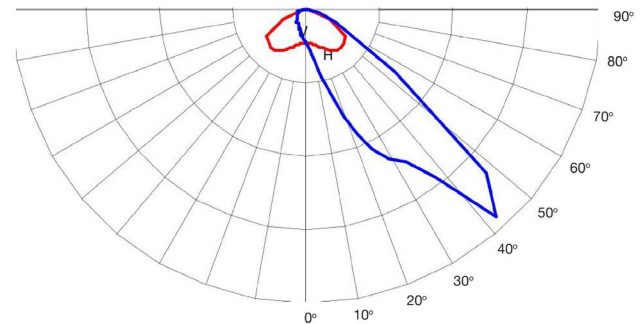
NEMA 6



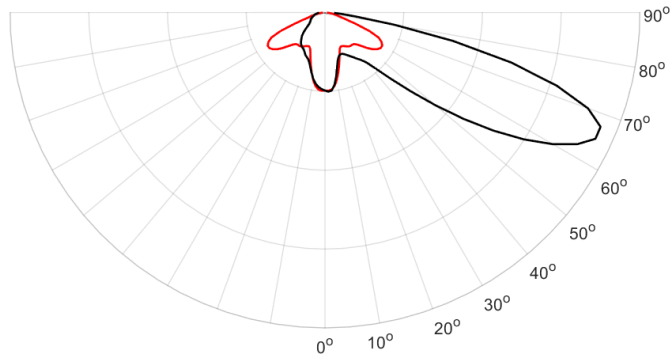
NEMA 7x6



Asymmetric



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 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

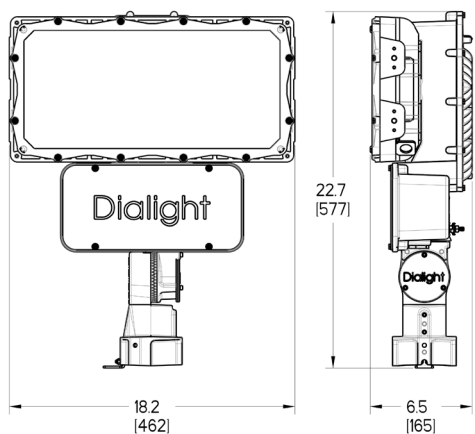
F2 Floodlight 36k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	96%	95%	94%	93%	93%	90%
35°C	98%	97%	96%	95%	94%	93%	92%	92%	89%
40°C	98%	96%	95%	94%	93%	93%	92%	91%	89%
45°C	97%	95%	94%	94%	93%	92%	91%	91%	88%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

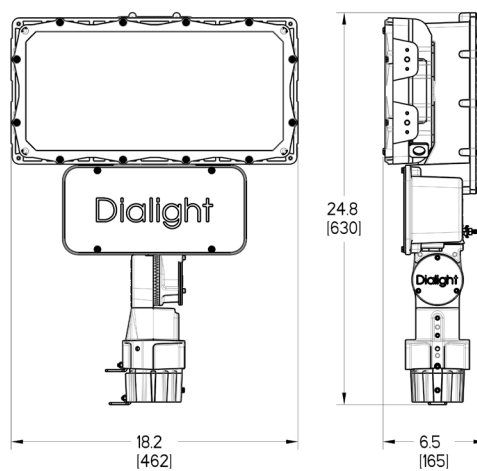
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Dimensional Drawings

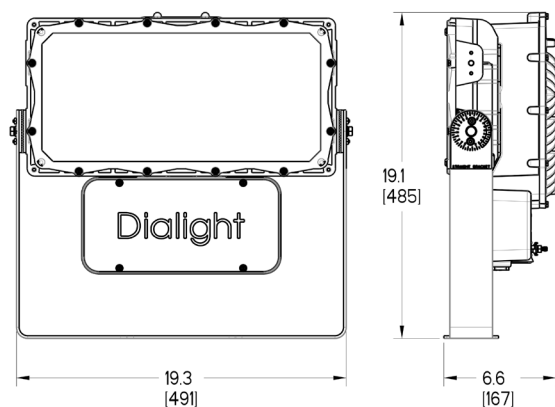
F1 Slipfitter Bracket - UL 1598/A



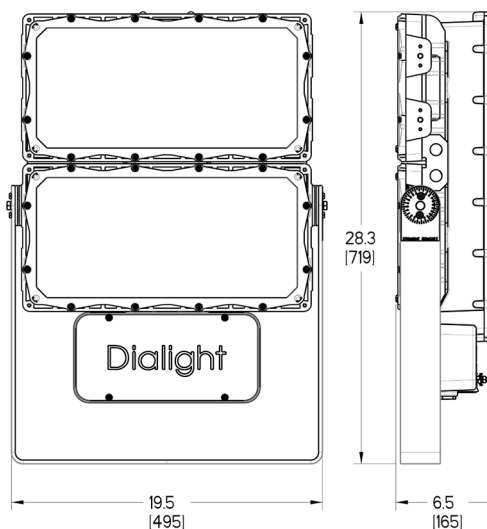
F1 Slipfitter Bracket - UL 844 (CID2 Only)



F1 Straight Bracket



F2 Straight Bracket

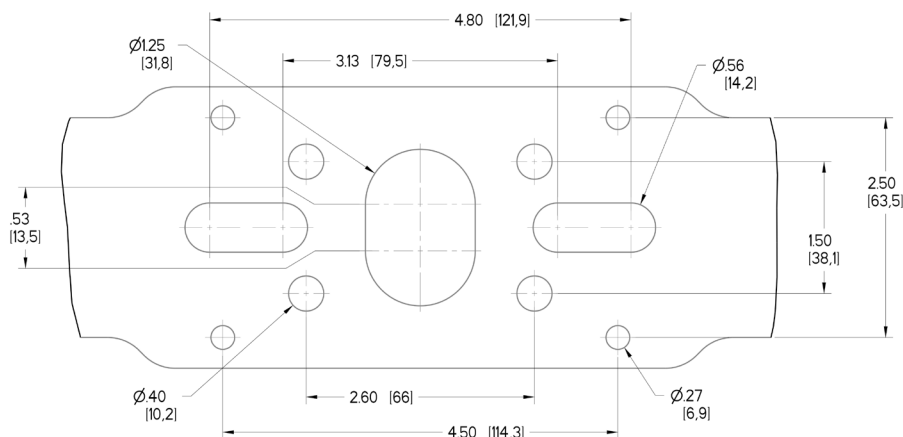


Dimensions in inches [mm]

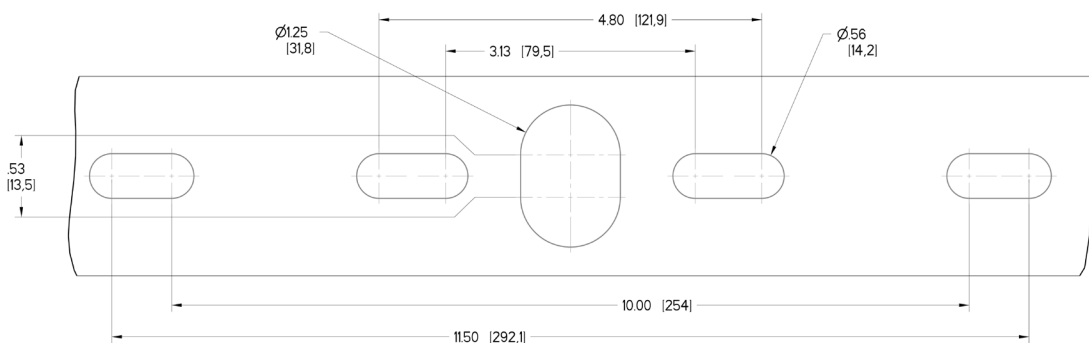
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Dimensional Drawings

F1 Mounting Bracket

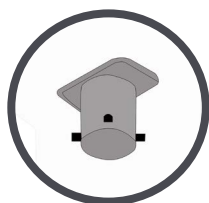


F2 Mounting Bracket



Dimensions in inches [mm]

Mounting Accessories - Gray



FLX-1TPT-20LG¹

- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws



FLX-1RAB-20LG

- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket

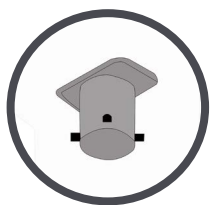


FLX-2LBH-20LG

- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

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Mounting Accessories - Bronze



FLX-1TPT-20DB¹

- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws



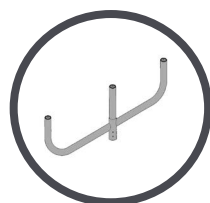
FLX-1RAB-20DB

- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket



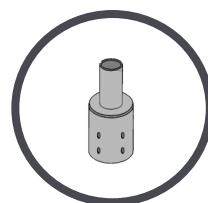
FLX-2LBH-20DB

- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws



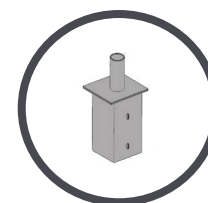
FLX-3LBH-20DB

- Bull horn for 3 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws



FLX-3RPA-20DB FLX-4RPA-20DB

- Reducer for 3" or 4" OD round pole top to 2-3/8" light mount
- Kit includes: Reducer, pole set screws



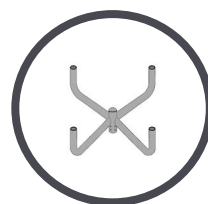
FLX-4SPA-20DB FLX-5SPA-20DB FLX-6SPA-20DB

- Internal tenon adapter for 4", 5" or 6" square pole top to 2-3/8" light mount
- Kit includes: Adapter



FLX-4LBH-20DB

- Bull horn for 4 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws



FLX-4RBH-20DB

- Bull horn for 4 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

Mounting accessories shown above are painted steel construction.

Accessories



F1NVISOR

- F1 visor NEMA optics



F2NVISOR

- F2 visor NEMA optics



F2AVISOR

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

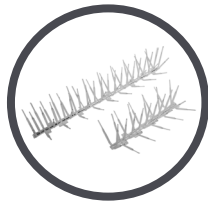


H6XCAB72²

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

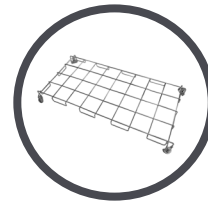
H6XCAB60²

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



F1SPIKES F2SPIKES

- Bird spikes



FLWG

- Wire guard
- Kit includes (1) assembly

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

²F1 models require 1 cable per unit. F2 models require 2 cables per unit.

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Replacements



SLPC01R

- Photocell, 105-305 VAC

SLPC02R

- Photocell, 312-382 VAC

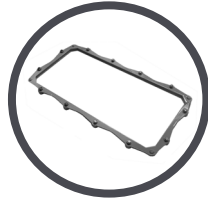
SLPC03R

- Photocell, 432-528 VAC



FLWIRELESS

- Wireless controls card



FLGLASSLG

- Glass lens, gray

FLGLASSLZ

- Glass lens, bronze

FLPCLG

- Polycarb lens, gray

FLPCLZ

- Polycarb lens, bronze

- Kit includes (1) assembly



FL10KV277

- 10kV surge protection
100-277V

FL10KV480

- 10kV 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
F2PS2H	120-277V Power Supply, 36k lm
F2PS2L	120-277V Power Supply, 48k 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
F2PS5H	347-480V Power Supply, 36k lm
F2PS5L	347-480V Power Supply, 48k lm
F2PS5N	347-480V Power Supply, 60k lm

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North American HQ

1501 Route 34 South
Farmingdale, NJ 07727

Tel: 732-919-3119

Fax: 732-751-5778

info@dialight.com

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