

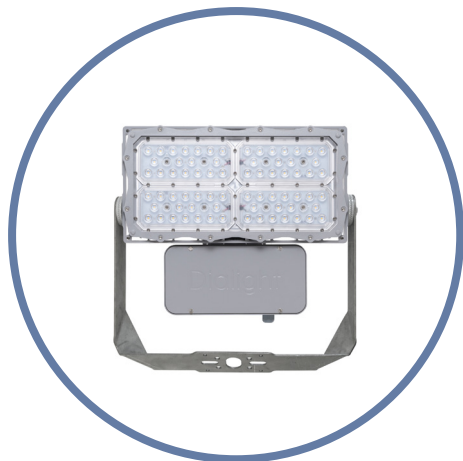


# ProSite LED Floodlight

## Technical Specification Sheet - EMEA

## ProSite LED Floodlight - Non-Hazardous

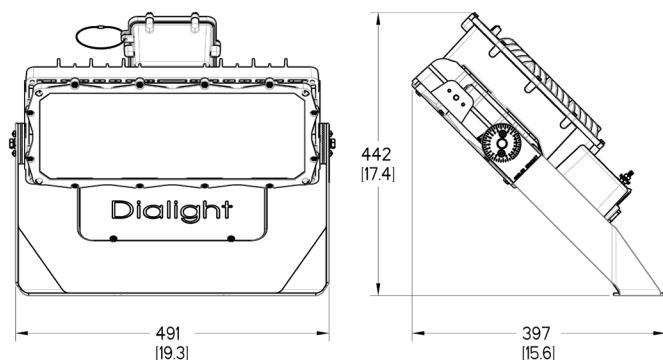
### F1 Models



#### Certifications & Ratings

- 10 year warranty
- CE / ENEC
- IP66/67
- DNV TAE00004GM
- IK10 - Integrated PC optic only
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient
- Vibration - Lloyd's test 1

#### Angled Bracket



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

#### 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><br>(all with 7.5° tilt adjustment) | 316 stainless steel straight bracket<br>316 stainless steel angled bracket<br>Slipfitter bracket |
| <b>Cable entry:</b>                                 | 2 x M25                                                                                          |

#### Electrical Specifications:

|                              |                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating voltage:</b>    | 120-277 VAC / 120-250 VDC<br>347-415-480 VAC                                                                                           |
| <b>Operating temp:</b>       | -40°C to +65°C                                                                                                                         |
| <b>EMC:</b>                  | CISPR 15<br>Flicker: IEC 61000-3-3<br>Immunity requirements for lighting:<br>IEC 61547<br>Harmonics: IEC 61000-3-2 Class C             |
| <b>Transient protection:</b> | IEC 61000-4-5. 6kV line-line and<br>line-ground.<br>Optional: Additional surge protection module rated<br>for 10kA, 20kA single strike |
| <b>THD:</b>                  | < 20%                                                                                                                                  |
| <b>Power Factor:</b>         | > 0.9                                                                                                                                  |
| <b>Dimming:</b>              | DALI 1 and DALI 2 compatible/0-10 VDC                                                                                                  |

#### Construction:

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

#### Photometric Information:

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

**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          |        |         |      |                         |                       |               |                   |
|--------------------------|--------|---------|------|-------------------------|-----------------------|---------------|-------------------|
| Part Number              | Lumens | Wattage | lm/W | Voltage                 | CCT                   | Lens          | Beam Distribution |
| 12,000lm Models          |        |         |      |                         |                       |               |                   |
| <b>F1E-N6B2-BDEN-VGN</b> | 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-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-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        | 8,600  | 81      | 106  | 120-277VAC / 120-250VDC | 2700k (warm white)    | Glass         | Asymmetric        |
| 18,000lm Models          |        |         |      |                         |                       |               |                   |
| <b>F1E-N6B2-CDEN-VGN</b> | 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°)      |
| <b>F1E-7FB2-CDEN-VGN</b> | 16,700 | 124     | 135  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass         | Asymmetric        |
| 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        | 16,700 | 124     | 135  | 120-277VAC / 120-250VDC | 4000k (neutral white) | Glass         | Asymmetric        |
| 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        | 12,400 | 124     | 100  | 120-277VAC / 120-250VDC | 2700k (warm white)    | Glass         | Asymmetric        |
| 30,000lm Models          |        |         |      |                         |                       |               |                   |
| <b>F1E-N6B2-FDEN-VGN</b> | 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°)      |
| <b>F1E-7FB2-FDEN-VGN</b> | 27,700 | 234     | 118  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass         | Asymmetric        |
| 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        | 27,700 | 234     | 118  | 120-277VAC / 120-250VDC | 4000k (neutral white) | Glass         | Asymmetric        |
| 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        | 20,500 | 234     | 88   | 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.

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

CCT - Change 6th character to 'U' for 2200k.

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

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 3-Pin 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', for heavy-duty bracket change 10th character to "H".

Amber options available

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# ProSite LED Floodlight - Non-Hazardous

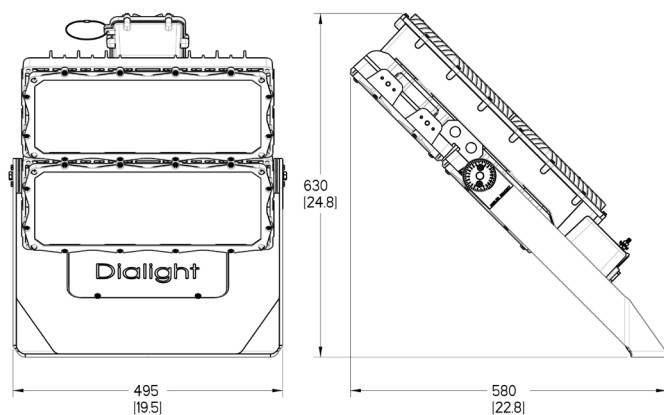
## F2 Models



### Certifications & Ratings

- 10 year warranty
- CE / ENEC
- IP66/67
- DNV TAE00004GM
- IK10 - Integrated PC optic only
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient
- Vibration - Lloyd's test 1

### Angled Bracket



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

### 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><br>(all with 7.5° tilt adjustment) | 316 stainless steel straight bracket<br>316 stainless steel angled bracket |
| <b>Cable entry:</b>                                 | 2 x M25                                                                    |

### Electrical Specifications:

|                              |                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating voltage:</b>    | 120-277 VAC / 120-250 VDC<br>347-415-480 VAC                                                                                           |
| <b>Operating temp:</b>       | -40°C to +65°C<br>-40°C to +55°C - 60klm                                                                                               |
| <b>EMC:</b>                  | CISPR 15<br>Flicker: IEC 61000-3-3<br>Immunity requirements for lighting:<br>IEC 61547<br>Harmonics: IEC 61000-3-2 Class C             |
| <b>Transient protection:</b> | IEC 61000-4-5. 6kV line-line and<br>line-ground.<br>Optional: Additional surge protection module rated<br>for 10kA, 20kA single strike |
| <b>THD:</b>                  | < 20%                                                                                                                                  |
| <b>Power Factor:</b>         | > 0.9                                                                                                                                  |
| <b>Dimming:</b>              | 0-10VDC<br>DALI 1 and DALI 2 compatible                                                                                                |

### Construction:

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

### Photometric Information:

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

**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                                         |                |         |      |                         |                       |               |                   |
|---------------------------------------------------------|----------------|---------|------|-------------------------|-----------------------|---------------|-------------------|
| Part Number                                             | Fixture Lumens | Wattage | lm/W | Voltage                 | CCT                   | Lens          | Beam Distribution |
| 60,000lm Models - 10kA Surge Protection                 |                |         |      |                         |                       |               |                   |
| 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-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-N6L8-NDEN-VGN                                       | 50,400         | 484     | 104  | 120-277VAC / 120-250VDC | 2700k (warm white)    | Integrated PC | Wide (125°)       |
| F2E-N4L8-NDEN-VGN                                       | 50,400         | 484     | 104  | 120-277VAC / 120-250VDC | 2700k (warm white)    | Integrated PC | Medium (56°)      |
| F2E-7FL8-NDEN-VGN                                       | 42,300         | 484     | 87   | 120-277VAC / 120-250VDC | 2700k (warm white)    | Glass         | Asymmetric        |
| 60,000lm Models - 347-415-480 VAC 10kA Surge Protection |                |         |      |                         |                       |               |                   |
| 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-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°)      |
| <b>F2E-7FL9-NDEN-VGN</b>                                | 60,100         | 499     | 120  | 347-415-480VAC          | 4000k (neutral white) | Glass         | Asymmetric        |
| F2E-N6L8-NDEN-VGN                                       | 50,400         | 499     | 101  | 347-415-480VAC          | 2700k (warm white)    | Integrated PC | Wide (125°)       |
| F2E-N4L8-NDEN-VGN                                       | 50,400         | 499     | 101  | 347-415-480VAC          | 2700k (warm white)    | Integrated PC | Medium (56°)      |
| F2E-7FL8-NDEN-VGN                                       | 42,300         | 499     | 85   | 347-415-480VAC          | 2700k (warm white)    | Glass         | Asymmetric        |

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

Part numbers listed in bold are typically available in stock.

CCT - Change 6th character to 'U' for 2200k.

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

PE Cell - For 3-Pin 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 heavy-duty bracket change 10th character to "H".

Hazardous F2 models available on request.

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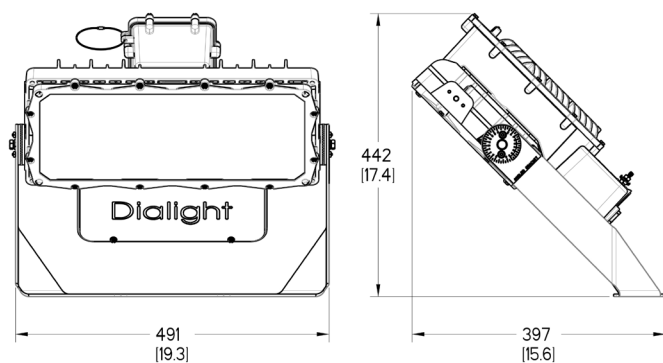
## ProSite LED Floodlight - Hazardous F1 Models



### Certifications & Ratings

- 10 year warranty
- ATEX/IECEx Zone 2, 21 & 22
  - Ex ec IIC T4 Gc
  - Ex tb IIIC T125°C Db
  - ETL25ATEX0528X
  - ETL25ATEX0529X
  - IECEx ETL 22.0001X
- IP66/67
- DNV TAE00004GM
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient
- Vibration - Lloyd's test 1

### 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 (m²):        | 0.186                                                                                                                            |
| Mounting:        | 316 stainless steel straight bracket<br>(all with 7.5° tilt adjustment) 316 stainless steel angled bracket<br>Slipfitter bracket |
| Cable entry:     | 2 x M25                                                                                                                          |

### Electrical Specifications:

|                       |                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Operating voltage:    | 120-277 VAC / 120-250 VDC                                                                                                  |
| Operating temp:       | -40°C to +65°C                                                                                                             |
| EMC:                  | CISPR 15<br>Flicker: IEC 61000-3-3<br>Immunity requirements for lighting:<br>IEC 61547<br>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                                                                                                        |
| CCT:          | 5000K (cool white)<br>4000K (neutral white)<br>2200K (warm white)<br>2700K (warm white) - 80 CRI<br>Amber |
| Beam pattern: | Medium - 55°<br>Wide - 125°<br>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%)

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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-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-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-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                     | 8,600          | 81      | 106  | 120-277VAC / 120-250VDC | 2700k (warm white)    | Glass | Asymmetric        |
| 18,000lm Models                       |                |         |      |                         |                       |       |                   |
| F1B-76B2-CDEN-VGN                     | 18,000         | 124     | 145  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass | Wide (125°)       |
| <b>F1B-74B2-CDEN-VGN</b>              | 18,000         | 124     | 145  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass | Medium (56°)      |
| F1B-7FB2-CDEN-VGN                     | 16,400         | 124     | 132  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass | Asymmetric        |
| 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                     | 16,400         | 124     | 132  | 120-277VAC / 120-250VDC | 4000k (neutral white) | Glass | Asymmetric        |
| 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                     | 12,400         | 124     | 100  | 120-277VAC / 120-250VDC | 2700k (warm white)    | Glass | Asymmetric        |
| 30,000lm Models                       |                |         |      |                         |                       |       |                   |
| F1B-76B2-FDEN-VGN                     | 29,900         | 234     | 128  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass | Wide (125°)       |
| <b>F1B-74B2-FDEN-VGN</b>              | 29,900         | 234     | 128  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass | Medium (56°)      |
| F1B-7FB2-FDEN-VGN                     | 27,700         | 234     | 118  | 120-277VAC / 120-250VDC | 5000k (cool white)    | Glass | Asymmetric        |
| 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                     | 27,700         | 234     | 118  | 120-277VAC / 120-250VDC | 4000k (neutral white) | Glass | Asymmetric        |
| 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                     | 20,500         | 234     | 88   | 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 - Change 6th character to 'U' for 2200k.

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# Lumen Tables

| Lumen Output Family | Wattage (120-277 VAC) | Wattage (347-480 VAC) | Optic           | PC Optic Only |        |        |        | Glass Lens |        |        |        |
|---------------------|-----------------------|-----------------------|-----------------|---------------|--------|--------|--------|------------|--------|--------|--------|
|                     |                       |                       |                 | 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  |
|                     |                       |                       | Wide (NEMA 6)   | 13,200        | 13,200 | 10,200 | 10,400 | 12,500     | 12,500 | 9,500  | 9,700  |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 11,600     | 11,600 | 8,600  | 8,800  |
| 18,000              | 124                   | 128                   | Medium (NEMA 4) | 19,100        | 19,100 | 14,800 | 15,100 | 18,000     | 18,000 | 13,800 | 14,000 |
|                     |                       |                       | Wide (NEMA 6)   | 19,100        | 19,100 | 14,800 | 15,100 | 18,000     | 18,000 | 13,800 | 14,000 |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 16,700     | 16,700 | 12,400 | 12,700 |
| 24,000              | 175                   | 179                   | Medium (NEMA 4) | 25,000        | 25,000 | 19,400 | 19,800 | 23,600     | 23,600 | 18,000 | 18,400 |
|                     |                       |                       | Wide (NEMA 6)   | 25,000        | 25,000 | 19,400 | 19,800 | 23,600     | 23,600 | 18,000 | 18,400 |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 21,900     | 21,900 | 16,300 | 16,600 |
| F1<br>30,000        | 234                   | 237                   | Medium (NEMA 4) | 31,600        | 31,600 | 24,500 | 25,000 | 29,900     | 29,900 | 22,800 | 23,200 |
|                     |                       |                       | Wide (NEMA 6)   | 31,600        | 31,600 | 24,500 | 25,000 | 29,900     | 29,900 | 22,800 | 23,200 |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 27,700     | 27,700 | 20,500 | 21,000 |
| 36,000              | 234                   | 241                   | Medium (NEMA 4) | 37,500        | 37,500 | 29,100 | 29,600 | 35,400     | 35,400 | 27,000 | 27,600 |
|                     |                       |                       | Wide (NEMA 6)   | 37,500        | 37,500 | 29,100 | 29,600 | 35,400     | 35,400 | 27,000 | 27,600 |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 32,800     | 32,800 | 24,400 | 24,900 |
| 48,000              | 346                   | 357                   | Medium (NEMA 4) | 51,000        | 51,000 | 39,500 | 40,300 | 48,200     | 48,200 | 36,700 | 37,500 |
|                     |                       |                       | Wide (NEMA 6)   | 51,000        | 51,000 | 39,500 | 40,300 | 48,200     | 48,200 | 36,700 | 37,500 |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 44,600     | 44,600 | 33,200 | 33,900 |
| 60,000              | 484                   | 499                   | Medium (NEMA 4) | 65,000        | 65,000 | 50,400 | 51,400 | 61,400     | 61,400 | 46,800 | 47,800 |
|                     |                       |                       | Wide (NEMA 6)   | 65,000        | 65,000 | 50,400 | 51,400 | 61,400     | 61,400 | 46,800 | 47,800 |
|                     |                       |                       | Asymmetric      | -             | -      | -      | -      | 56,900     | 56,900 | 42,300 | 43,200 |

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## Lumen Tables

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

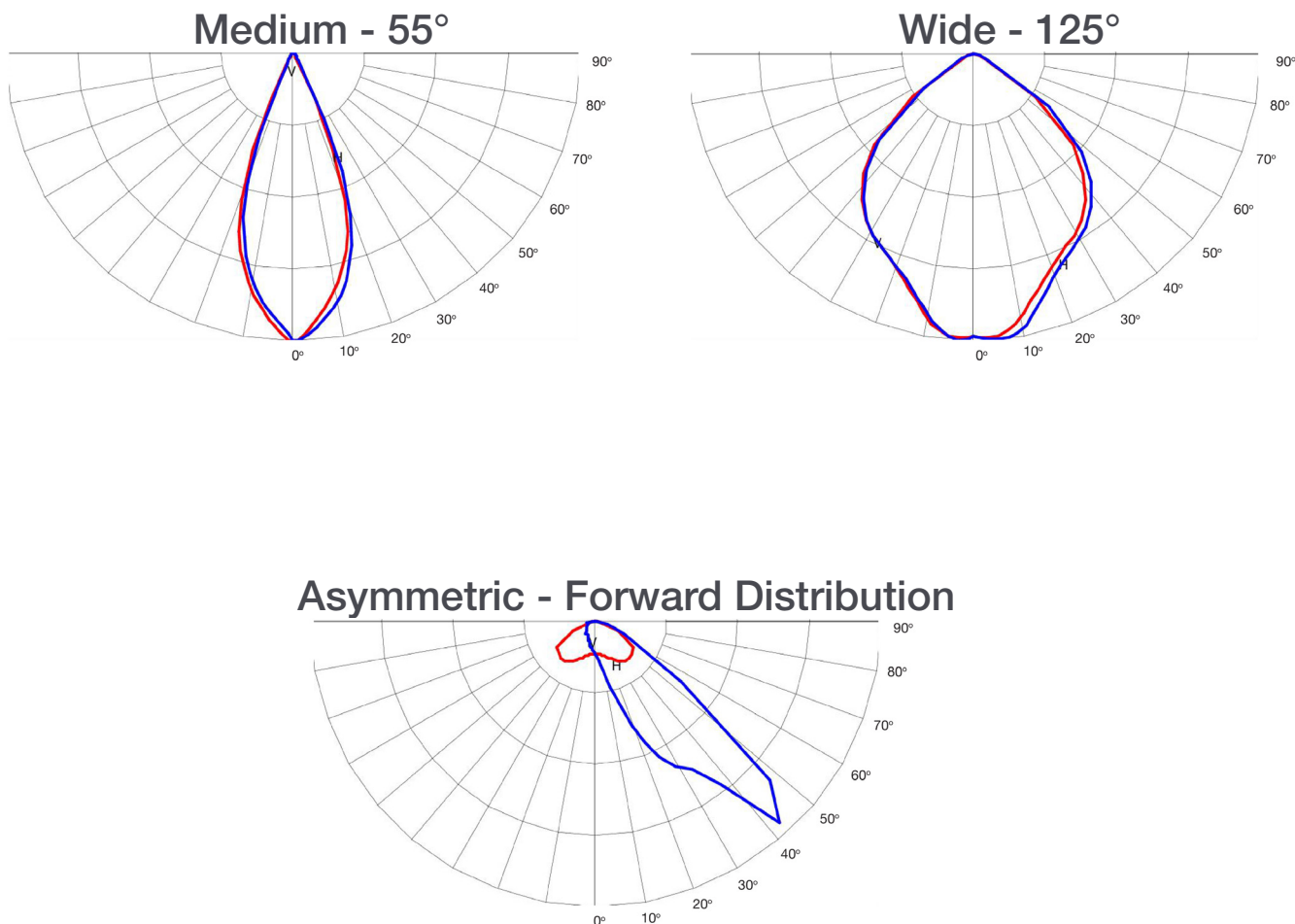
| 415 VAC |        |        |
|---------|--------|--------|
| 10 Amp  | 16 Amp | 20 Amp |
| 29      | 47     | 58     |
| 19      | 31     | 38     |
| 14      | 22     | 27     |
| 10      | 17     | 21     |
| 10      | 16     | 20     |
| 7       | 11     | 14     |
| 5       | 8      | 10     |
|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



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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%    |

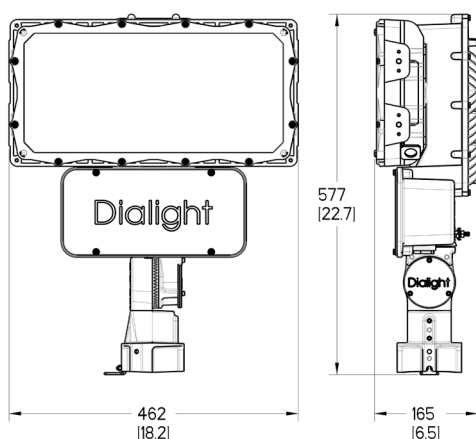
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## Lumen Maintenance Factor - F2

| F2 Floodlight 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

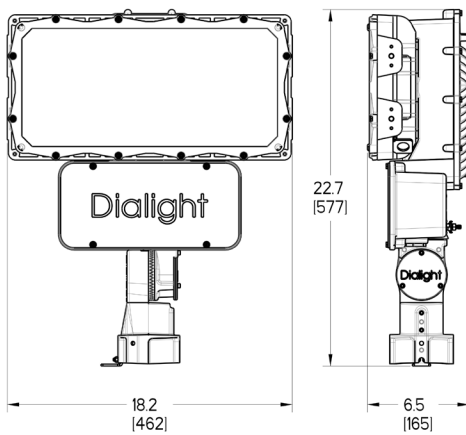


Dimensions in mm [inches]

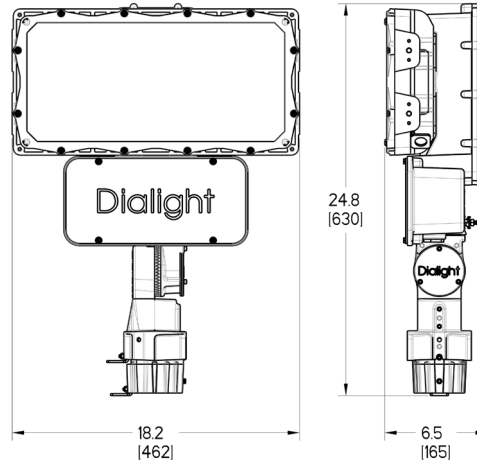
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## Dimensional Drawings

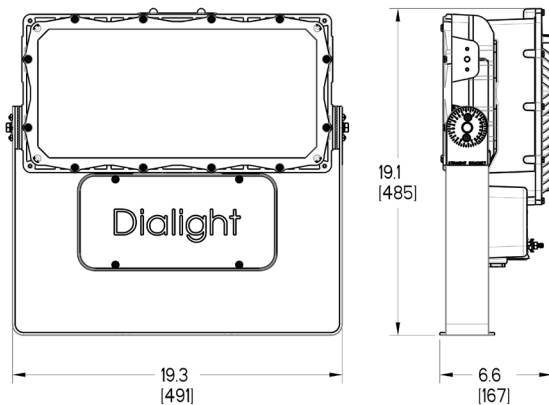
F1 Slipfitter Bracket - UL 1598/A  
(7.5° tilt adjustment)



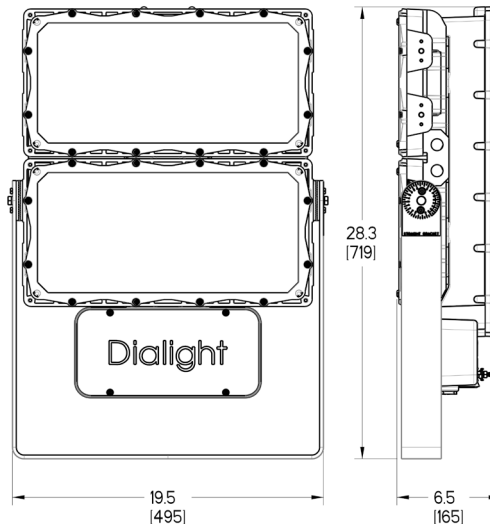
F1 Slipfitter Bracket - UL 844 (CID2 Only)  
(7.5° tilt adjustment)



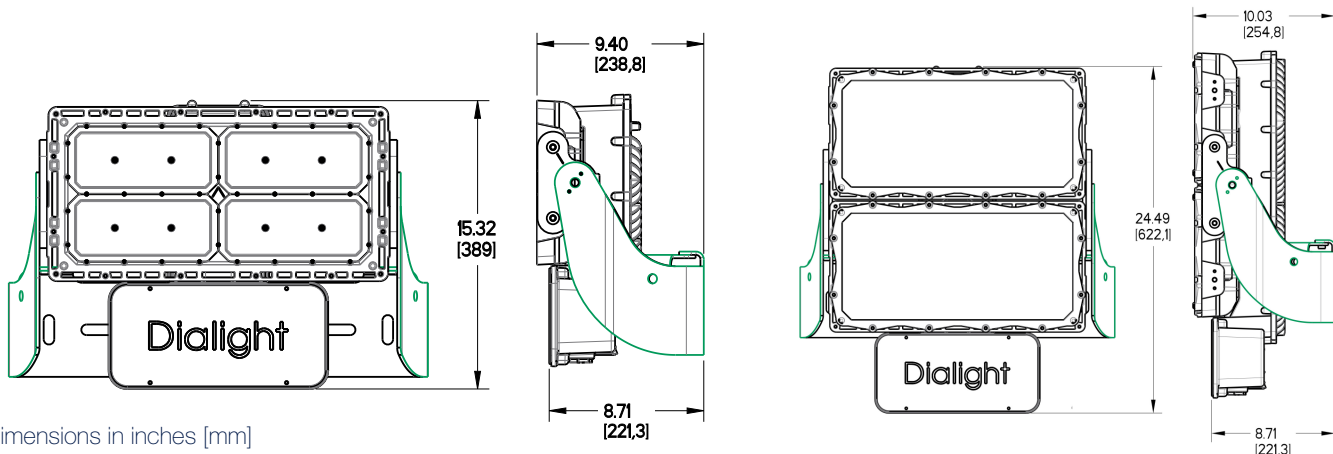
F1 Straight Bracket  
(7.5° tilt adjustment)



F2 Straight Bracket  
(7.5° tilt adjustment)



Prosire Floodlight Heavy Duty Bracket

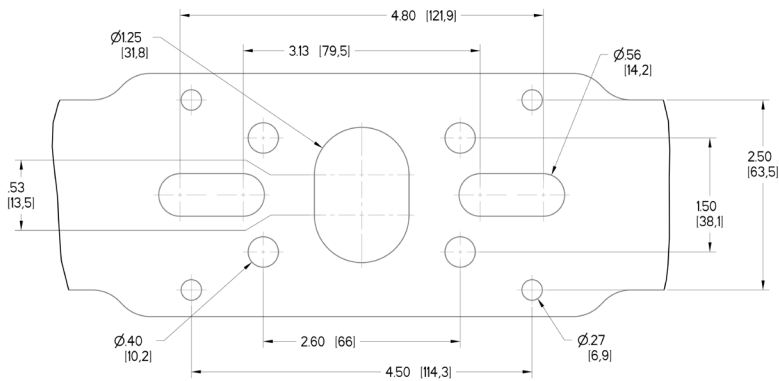


Dimensions in inches [mm]

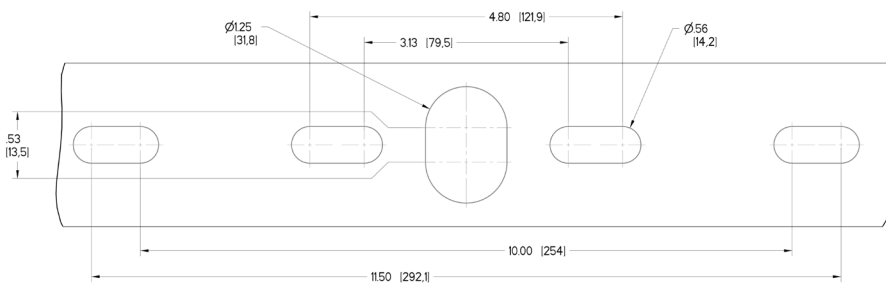
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# Dimensional Drawings

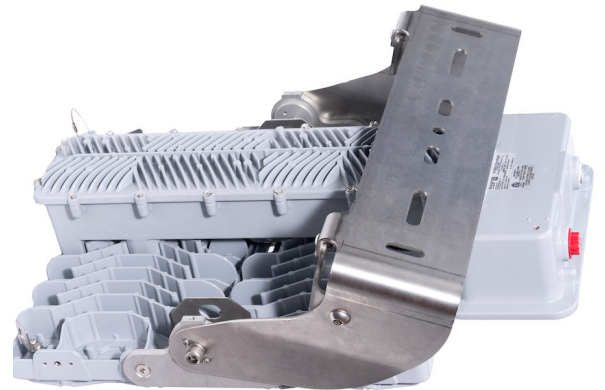
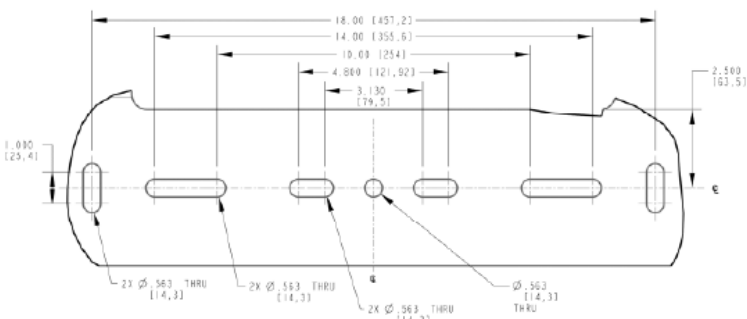
## F1 Mounting Bracket



## F2 Mounting Bracket

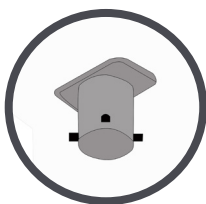


## F1 and F2 Heavy-Duty Bracket



Dimensions in inches [mm]

## Mounting Accessories - Gray

FLX-1TPT-20LG<sup>1</sup>

- 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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## Accessories



### F1NVISOR

- F1 visor NEMA optics



### F2NVISOR

- F2 visor NEMA optics



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

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



### SLPC01R

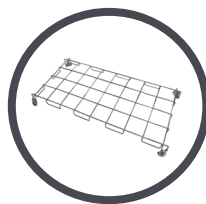
- Photocell, 105-305 VAC

### SLPC02R

- Photocell, 312-382 VAC

### SLPC03R

- Photocell, 432-528 VAC



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

## Replacements\*

| 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 |

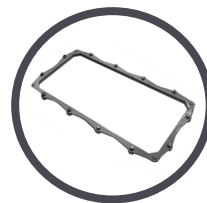


### FL10KV277

- 10kA surge protection 100-277V

### FL10KV480

- 10kA surge protection 347-480V



### FLGLASSLG

- Glass lens, grey
- Kit includes (1) assembly

\*Replacements parts for CE models only.

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