



# 75LED Series

## UltraFlood™ Series 75LED Floodlight

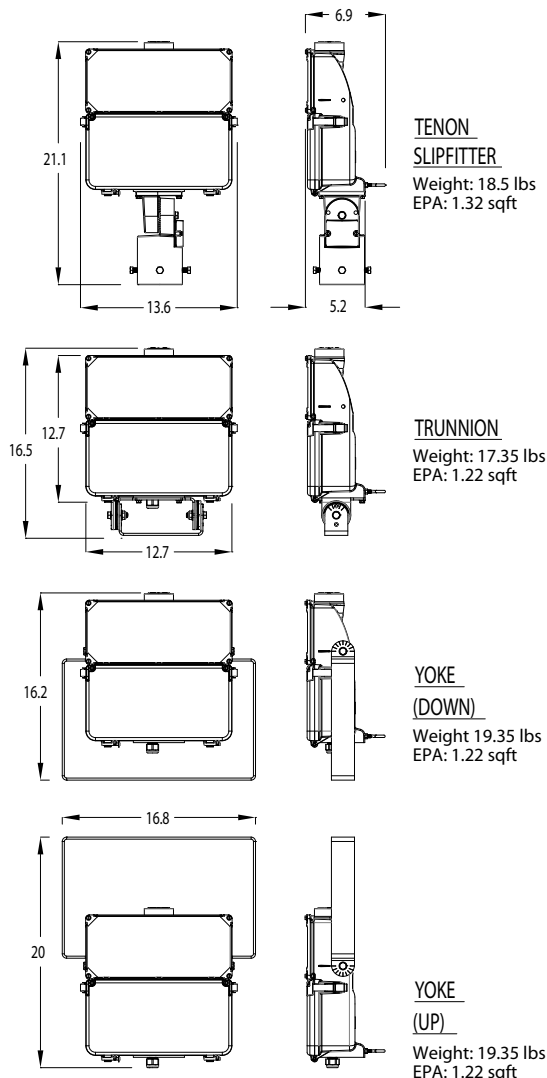
### PRODUCT OVERVIEW



### Applications:

Auto dealerships  
Schools  
Churches  
Industrial sites

Shopping centers  
Parking lots  
Substations  
Building facades



### Features:

#### Mechanical

Low copper content die cast aluminum housings has integral heat sink fins to optimize thermal management through conductive and convective cooling. Bolted or optional stainless steel latch disengages top electrical cover for easy access to LED driver, surge protection, and terminal block. Four mounting options including trunnion, yoke and two variants on tenon slip-fitter. Tenon may be ordered with leads exiting the bottom or side of knuckle joint. All mounting variants can optionally be ordered either corded or individually jacketed wires.

Luminaire is vibration rated to 3G per ANSI C136.31-2018 and rated IP66 per IEC60068-2-3.

Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber per ASTM B117.

The yoke is provided in either painted or galvanized steel. Knuckle mount is easily adjustable to fit 2-3/8 inch to 2-7/8 inch tenon.

#### Electrical

LED light engine is rated minimum 100,000 hours at 25C, L70. Electronic driver has an expected life of 100,000 hours at a 25C ambient.

MOV pack surge protection meets ANSI 10kV/5kA "Enhanced Level".

Driver power factor is 90% minimum. Driver meets maximum total harmonic distortion (THD) of 20% and is ROHS compliant.

#### Optical

PCB mounted LED technology comprised of multi-cluster LEDs on single metal core board. Segmented Miro internal reflectors are designed for superior field to beam ratios, uniformity, and spacing.

NEMA optical pattern choice of flood (5x5) and wide flood (6x6). The luminaire is available with 3000K, 4000K, and 5000K CCT with minimum CRI of 70.

Optional shielding available to control light trespass and uplight. Optical enclosure is flat glass lens.

#### Controls

3 pin and 7 pin rotatable NEMA photocontrol receptacles available.

Optional premium solid state locking- style photocontrol – DSS (10 year rated life).

Optional extreme long life solid state locking –style photocontrol – DLL (20 year rated life).

Optional onboard adjustable output module (AO) allows the light output and input wattage to be modified to meet site specific requirements.

0-10V continuous dimming is standard and supported with the AO and RSBOR options. DALI dimming control is optionally available as well. Both dimming types can be accomplished via a compatible control installed on the P7 receptacle as well.

#### Standards

Suitable for ambient temperatures from -40C to 40C.

CSA Certified to U.S. and Canadian standards.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

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### ORDERING INFORMATION

| Series       | LED Performance Package                                                                                                                                                                        | Voltage                                                                     | Optics                                                   | Color Temperature                                                                                        | Mounting Method                                                                                                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>75LED</b> | <b>P10</b> 6,000 Lumens<br><b>P20</b> 7,800 Lumens<br><b>P30</b> 12,000 Lumens<br><b>P40</b> 15,000 Lumens<br><b>P50</b> 19,000 Lumens<br><b>P60</b> 25,000 Lumens<br><b>P70</b> 27,000 Lumens | <b>MVOLT</b> Multi-volt (120V - 277V)<br><b>347</b> 347V<br><b>480</b> 480V | <b>55</b> 5x5 (flat glass)<br><b>66</b> 6x6 (flat glass) | <b>Blank</b> 4000K CCT, 70 CRI Min<br><b>3K</b> 3000K CCT, 70 CRI Min<br><b>5K</b> 5000K CCT, 70 CRI Min | <b>TM</b> Tenon Slipfitter - knuckle (cord exit bottom slipfitter)<br><b>KO</b> Tenon Slipfitter - knuckle (cord exit side OR nLight Air mounting)<br><b>TN</b> Trunnion, painted steel<br><b>TG</b> Trunnion, galvanized<br><b>YK</b> Yoke, painted steel<br><b>YG</b> Yoke, galvanized steel |

| Color                                                                                                                           | Cord Length                                                                                                                                         | Cord Type                                                                                          | Miscellaneous                                                                                                                                                                | Options / Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Blank</b> Gray Paint<br><b>BK</b> Black Paint<br><b>BZ</b> Bronze Paint<br><b>GI</b> Graphite Paint<br><b>WH</b> White Paint | <b>04</b> 4 ft cord length<br><b>05</b> 5 ft cord length<br><b>06</b> 6 ft cord length<br><b>08</b> 8 ft cord length<br><b>10</b> 10 ft cord length | <b>23</b> 12 gage, 3 conductor<br><b>43</b> 14 gage, 3 conductor<br><b>63</b> 16 gage, 3 conductor | <b>CS</b> CSA Certified to US and Canadian Safety Stds.<br><b>IBC</b> Eye Bolt<br><b>NL</b> Nema Label<br><b>TB</b> Terminal block<br><b>TL</b> Tool-less entry with latches | <b>Blank</b> 3 Pin rotatable NEMA receptacle<br><b>P7</b> 7 Pin rotatable NEMA receptacle<br><b>NR</b> No NEMA Receptacle<br><b>AO</b> Field Adjustable Output<br><b>DALI</b> DALI Driver - Consult Factory<br><b>PCLL</b> Solid State Long Life Photocontrol<br><b>PCSS</b> Solid State Lighting Photocontrol<br><b>LRSBOR</b> nLight Air Occ. and daylight sensor (8-15 ft)<br><b>HRSBOR</b> nLight Air Occ. and daylight sensor (15-30 ft)<br><b>SH</b> Shorting Cap |

#### Accessories (Shipped Separately)

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| <b>75LED1FVBZ</b>  | UltraFlood™ 75LED Full Visor with with Bronze Paint      |
| <b>75LED1FVBK</b>  | UltraFlood™ 75LED Full Visor with Black Paint            |
| <b>75LED1FVGY</b>  | UltraFlood™ 75LED Full Visor with Gray Paint             |
| <b>75LED1FVWH</b>  | UltraFlood™ 75LED Full Visor with White Paint            |
| <b>75LED1FVGI</b>  | UltraFlood™ 75LED Full Visor with Graphite Paint         |
| <b>75LED1UBVBZ</b> | UltraFlood™ 75LED Upper/Bottom Visor with Bronze Paint   |
| <b>75LED1UBVBK</b> | UltraFlood™ 75LED Upper/Bottom Visor with Black Paint    |
| <b>75LED1UBVGY</b> | UltraFlood™ 75LED Upper/Bottom Visor with Gray Paint     |
| <b>75LED1UBVWH</b> | UltraFlood™ 75LED Upper/Bottom Visor with White Paint    |
| <b>75LED1UBVGI</b> | UltraFlood™ 75LED Upper/Bottom Visor with Graphite Paint |
| <b>75LED1VG</b>    | UltraFlood™ 75LED Vandal Guard                           |
| <b>75LED1WG</b>    | UltraFlood™ 75LED Wire Guard                             |



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# 75LED Series

## UltraFlood™ Series 75LED

### OPTIONS MATRIX

| 75LED        |        | LED Packages |     |    |     |     |     |     | Voltage |     |     | Options |    |    |      |      |        |        |    |    |      | Misc |     |    |    |    |
|--------------|--------|--------------|-----|----|-----|-----|-----|-----|---------|-----|-----|---------|----|----|------|------|--------|--------|----|----|------|------|-----|----|----|----|
|              |        | P10          | P20 | P3 | P40 | P50 | P60 | P70 | MVOLT   | 347 | 480 | P7      | P3 | NR | PCLL | PCSS | HRSBOR | LRSBOR | SH | AO | DALI | TL   | IBC | TB | NL | CS |
| LED Packages | P10    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P20    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P30    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P40    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P50    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P60    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P70    |              |     |    |     |     |     |     | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
| Voltage      | MVOLT  | Y            | Y   | Y  | Y   | Y   | Y   | Y   |         |     |     | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | 347    | Y            | Y   | Y  | Y   | Y   | Y   | Y   |         |     |     | Y       | Y  | Y  | Y    | N    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | 480    | Y            | Y   | Y  | Y   | Y   | Y   | Y   |         |     |     | Y       | Y  | Y  | Y    | N    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
| Options      | P7     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | N       | N  | Y  | Y    | N    | N      | N      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | P3     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | N       | N  | N  | Y    | Y    | N      | N      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | NR     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | N       | N  | N  | N    | N    | Y      | Y      | N  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | PCLL   | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | N  | N    | N    | N      | N      | N  | Y  | N    | Y    | Y   | Y  | Y  | Y  |
|              | PCSS   | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | N   | N   | Y       | Y  | N  | N    |      |        |        | N  | Y  | N    | Y    | Y   | Y  | Y  | Y  |
|              | HRSBOR | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | N       | N  | Y  | N    |      |        |        | N  | N  | N    | Y    | Y   | Y  | Y  | Y  |
|              | LRSBOR | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | N       | N  | Y  | N    |      |        |        | N  | N  | N    | Y    | Y   | Y  | Y  | Y  |
|              | SH     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | N  | N    | N    | N      | N      | Y  | Y  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | AO     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | N      | N      | N  | N  | Y    | Y    | Y   | Y  | Y  | Y  |
|              | DALI   | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | N    | N    | N      | N      | Y  | N  | N    | Y    | Y   | Y  | Y  | Y  |
| Misc         | TL     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | N    | Y   | Y  | Y  | Y  |
|              | IBC    | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | N   | Y  | Y  | Y  |
|              | TB     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | N   | Y  | Y  | Y  |
|              | NL     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | N  | Y  | Y  |
|              | CS     | Y            | Y   | Y  | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y       | Y  | Y  | Y    | Y    | Y      | Y      | Y  | Y  | Y    | Y    | Y   | Y  | N  | Y  |



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### PERFORMANCE PACKAGES

| 75LED | Distribution | Input Watts | 3000K  |     | 4000K  |     | 5000K  |     | LDD @ 25°C |           |            |
|-------|--------------|-------------|--------|-----|--------|-----|--------|-----|------------|-----------|------------|
|       |              |             | Lumens | LPW | Lumens | LPW | Lumens | LPW | 50k hours  | 75k hours | 100k hours |
| P10   | 55           | 39          | 6,120  | 158 | 6,241  | 161 | 6,354  | 164 | 0.92       | 0.89      | 0.85       |
|       | 66           |             | 6,315  | 163 | 6,439  | 167 | 6,556  | 170 |            |           |            |
| P20   | 55           | 49          | 7,815  | 158 | 7,969  | 161 | 8,114  | 164 | 0.92       | 0.89      | 0.85       |
|       | 66           |             | 8,064  | 163 | 8,222  | 166 | 8,371  | 169 |            |           |            |
| P30   | 55           | 75          | 11,950 | 159 | 12,185 | 162 | 12,406 | 165 | 0.92       | 0.89      | 0.85       |
|       | 66           |             | 12,329 | 164 | 12,572 | 167 | 12,800 | 170 |            |           |            |
| P40   | 55           | 99          | 15,012 | 152 | 15,308 | 155 | 15,585 | 158 | 0.92       | 0.89      | 0.85       |
|       | 66           |             | 15,489 | 157 | 15,794 | 160 | 16,079 | 163 |            |           |            |
| P50   | 55           | 129         | 19,358 | 150 | 19,740 | 153 | 20,097 | 156 | 0.92       | 0.89      | 0.85       |
|       | 66           |             | 19,973 | 155 | 20,367 | 158 | 20,735 | 161 |            |           |            |
| P60   | 55           | 176         | 24,749 | 140 | 25,236 | 143 | 25,693 | 146 | 0.91       | 0.87      | 0.83       |
|       | 66           |             | 25,534 | 145 | 26,038 | 148 | 26,508 | 150 |            |           |            |
| P70   | 55           | 192         | 25,983 | 135 | 26,495 | 138 | 26,975 | 141 | 0.88       | 0.83      | 0.78       |
|       | 66           |             | 26,808 | 140 | 27,337 | 142 | 27,831 | 145 |            |           |            |

| Performance Package | Watts | Current (A) |      |      |      |      |      |
|---------------------|-------|-------------|------|------|------|------|------|
|                     |       | 120V        | 208V | 240V | 277V | 347V | 480V |
| P10                 | 39    | 0.33        | 0.19 | 0.16 | 0.14 | 0.11 | 0.08 |
| P20                 | 49    | 0.41        | 0.24 | 0.20 | 0.18 | 0.14 | 0.10 |
| P30                 | 75    | 0.63        | 0.36 | 0.31 | 0.27 | 0.22 | 0.16 |
| P40                 | 99    | 0.83        | 0.48 | 0.41 | 0.36 | 0.29 | 0.21 |
| P50                 | 129   | 1.08        | 0.62 | 0.54 | 0.47 | 0.37 | 0.27 |
| P60                 | 176   | 1.47        | 0.85 | 0.73 | 0.64 | 0.51 | 0.37 |
| P70                 | 192   | 1.60        | 0.92 | 0.80 | 0.69 | 0.55 | 0.40 |

| Ambient Temperature Factor |      |      |      |      |
|----------------------------|------|------|------|------|
| 0°C                        | 15°C | 25°C | 35°C | 40°C |
| 1.03                       | 1.01 | 1.00 | 0.99 | 0.98 |



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