



### PRODUCT OVERVIEW



#### 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 electrical cover for easy access to LED driver, surge protection, and terminal block.

Luminaire is vibration rated to 3G per ANSI C136.31-2001 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.

Yoke shall be painted steel or galvanized steel. Knuckle mount shall be adjustable to fit 2-3/8 inch to 2-7/8 inch tenon.

##### Electrical

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

Robust surge protection: 20kV/10kA surge protection per ANSI C136.2 is the default, with 10kV/5kA surge optional.

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

##### Optical

Three multi-die LED's combined with highly specular reflectors provide superior field to beam ratios, uniformity, and spacing.

NEMA optical pattern choice of medium flood (4X4), flood (5x5) wide flood (6x6), and wide flood rectangle (6x5). 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 shall be 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.

##### Standards

Suitable for ambient temperature -40C to 40C.

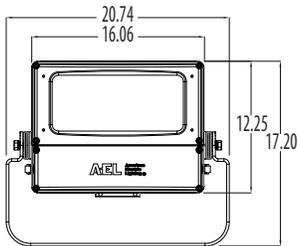
CSA Certified to U.S. and Canadian standards.

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

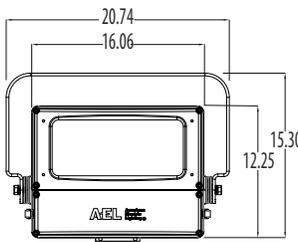
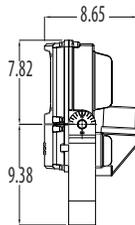
#### Applications:

Auto dealerships  
Schools  
Churches  
Industrial sites

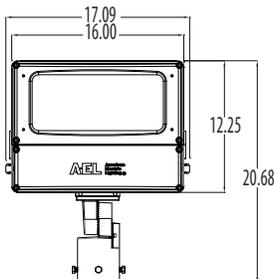
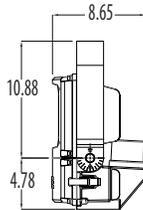
Shopping centers  
Parking lots  
Substations  
Building facades



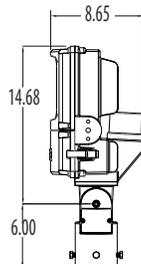
TN/YG-Yoke Mount Luminaire EPA of 1.76 Ft² and max weight 30 lbs.



YK-Yoke Mount Luminaire EPA of 1.76 Ft² and max weight 31 lbs.



Tenon Mount Luminaire EPA of 1.89 Ft² and max weight 28 lbs.



# ACPOLED Series

## American Compact LED Floodlight

### ORDERING INFORMATION

| ACPO  | P30   | MVOLT   | 66   | 3K   |
|---|---|---|--|--|
| Series  | LED Performance Package   | Voltage   | Optics   | Color Temperature  |
| <b>ACPOLED</b>  | <b>P05</b> 5,600 lumens<br><b>P10</b> 7,500 lumens<br><b>P20</b> 12,800 lumens<br><b>P30</b> <b>18,000 lumens</b><br><b>P40</b> 22,500 lumens<br><b>P50</b> 27,700 lumens<br><b>P60</b> 33,500 lumens | <b>MVOLT</b> Multiple voltage (120V - 277V)<br><b>347</b> 347V<br><b>480</b> 480V<br><b>XVOLT</b> 277V-480V   | <b>44</b> Medium Flood (4x4)<br><b>55</b> Flood (5x5)<br><b>66</b> <b>Wide Flood (6x6)</b><br><b>65</b> Wide Flood Rectangle (6x5)   | <b>Blank</b> 4000K CCT<br><b>3K</b> <b>3000K CCT</b><br><b>5K</b> 5000K CCT  |
| YK  |   |   | P7   | 04   |
| Mounting Methods  | Color   | Surge Protection  | Options/Controls   | Cord Length  |
| <b>TM</b> Tenon Slipfitter - knuckle (cord/leads exit bottom slipfitter)<br><b>TS</b> Tenon Slipfitter - knuckle (cord exit side of slipfitter)<br><b>YK</b> <b>Yoke Painted Steel</b><br><b>YE</b> Yoke Painted Steel Extended Length<br><b>YG</b> Yoke Galvanized Steel | <b>Blank</b> <b>Gray Paint</b><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>Blank</b> default: 20kV/10kA w/Indicator Light Extreme Surge (fail off)<br><b>MP</b> 10kV/5kA MOV (fail on)  | <b>Blank</b> 3 pin rotatable NEMA receptacle<br><b>P7</b> <b>7 pin rotatable NEMA receptacle</b><br><b>NR</b> No PER receptacle<br><b>PCLL</b> Solid State Long Life Photocontrol<br><b>PCSS</b> Solid State Photocontrol<br><b>HRSBOR</b> <sup>1</sup> nLight Air Occ. and daylight sensor (15-30 ft)<br><b>LRSBOR</b> <sup>1</sup> nLight Air Occ. and daylight sensor (8-15 ft)<br><b>SH</b> Shorting Cap<br><b>AO</b> Field Adjustable Output<br><b>DL</b> DALI Driver - Consult Factory | <b>04</b> <b>4 ft cord length</b><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 |
| 63  | NL  |   |  |  |
| Cord Type   | Miscellaneous   | Accessories (Shipped Separately)  |  |  |
| <b>23</b> 12 gage, 3 conductor<br><b>43</b> 14 gage, 3 conductor<br><b>63</b> <b>16 gage, 3 conductor</b>   | <b>TL</b> Tool-less entry with latches<br><b>NL</b> <b>Nema Label</b><br><b>XL</b> No terminal block cover and not certified  | <b>ACPOLEDFV-BK</b> Full Visor - Black Paint<br><b>ACPOLEDFV-BZ</b> Full Visor - Bronze Paint<br><b>ACPOLEDFV-GH</b> Full Visor - Graphite Paint<br><b>ACPOLEDFV-GY</b> Full Visor - Gray Paint<br><b>ACPOLEDFV-WH</b> Full Visor - White Paint<br><b>ACPOLEDUBV-BK</b> Upper/Bottom Visor - Black Paint<br><b>ACPOLEDUBV-BZ</b> Upper/Bottom Visor - Bronze Paint<br><b>ACPOLEDUBV-GH</b> Upper/Bottom Visor - Graphite Paint<br><b>ACPOLEDUBV-GY</b> Upper/Bottom Visor - Gray Paint<br><b>ACPOLEDUBV-WH</b> Upper/Bottom Visor - White Paint<br><b>ACPOLEDVG</b> Vandal Guard<br><b>ACPOLEDWG</b> Wire Guard |  |  |

Note: Check the OPTIONS MATRIX on Page 3 for compatibility & restrictions

1. Requires TS mount selection.



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**Warranty** Five-year limited warranty. Complete warranty terms located at: <https://www.acuitybrands.com/support/customer-support/terms-and-conditions>  
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# ACPOLED Series

## American Compact LED Floodlight

### OPTIONS MATRIX

| ACPOLED      | LED Packages |     |     |     |     |     |     | Voltage |     |     |       | Options |    |    |      |      |        |    |    |    |
|--------------|--------------|-----|-----|-----|-----|-----|-----|---------|-----|-----|-------|---------|----|----|------|------|--------|----|----|----|
|              | P05          | P10 | P20 | P30 | P40 | P50 | P60 | MVOLT   | 347 | 480 | XVOLT | P7      | P3 | NR | PCLL | PCSS | xRSBOR | SH | AO | DL |
| LED Packages | P05          |     |     |     |     |     |     | Y       | Y   | Y   | Y     | Y       | Y  | Y  | Y    | Y    | Y      | Y  | Y  | Y  |
|              | P10          |     |     |     |     |     |     | 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  |
|              | P30          |     |     |     |     |     |     | 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  |
|              | P50          |     |     |     |     |     |     | Y       | N   | N   | N     | Y       | Y  | Y  | Y    | Y    | Y      | Y  | Y  | N  |
|              | P60          |     |     |     |     |     |     | Y       | N   | N   | N     | Y       | Y  | Y  | Y    | Y    | Y      | Y  | Y  | N  |
| Voltage      | MVOLT        | Y   | Y   | Y   | Y   | Y   | Y   |         |     |     |       | Y       | Y  | Y  | Y    | Y    | Y      | Y  | Y  | Y  |
|              | 347          | Y   | Y   | Y   | Y   | Y   | N   | N       |     |     |       |         | Y  | Y  | Y    | Y    | N      | Y  | Y  | Y  |
|              | 480          | Y   | Y   | Y   | Y   | Y   | N   | N       |     |     |       |         | Y  | Y  | Y    | N    | N      | Y  | Y  | Y  |
|              | XVOLT        | Y   | Y   | Y   | Y   | Y   | N   | N       |     |     |       |         | Y  | Y  | Y    | Y    | N      | Y  | Y  | Y  |
| Options      | P7           | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y     | N       | N  | N  | Y    | Y    | N      | Y  | Y  | Y  |
|              | P3           | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y     | N       | N  | N  | Y    | Y    | Y      | Y  | Y  | Y  |
|              | NR           | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y     | N       | N  | N  | N    | N    | Y      | N  | Y  | Y  |
|              | PCLL         | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | N     | Y       | Y  | N  | N    | N    | N      | N  | Y  | Y  |
|              | PCSS         | Y   | Y   | Y   | Y   | Y   | Y   | Y       | N   | N   | N     | Y       | Y  | N  | N    | N    | N      | N  | Y  | Y  |
|              | xRSBOR       | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y     | N       | N  | Y  | N    | N    | N      | N  | N  | N  |
|              | SH           | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y     | Y       | Y  | N  | N    | N    | N      | N  | Y  | Y  |
|              | AO           | Y   | Y   | Y   | Y   | Y   | Y   | Y       | Y   | Y   | Y     | Y       | Y  | Y  | Y    | Y    | N      | Y  | N  | N  |
|              | DL           | Y   | Y   | Y   | Y   | Y   | N   | N       | Y   | Y   | Y     | Y       | Y  | Y  | Y    | Y    | Y      | N  | Y  | N  |

### ELECTRICAL LOAD

| Performance Package | Watts | Current (A) |       |       |       |       |       |
|---------------------|-------|-------------|-------|-------|-------|-------|-------|
|                     |       | 120V        | 208V  | 240V  | 277V  | 347V  | 480V  |
|                     |       | P05         | 0.307 | 0.176 | 0.154 | 0.135 | 0.104 |
| P10                 | 0.417 | 0.238       | 0.207 | 0.18  | 0.143 | 0.105 |       |
| P20                 | 0.694 | 0.405       | 0.358 | 0.315 | 0.245 | 0.18  |       |
| P30                 | 0.995 | 0.574       | 0.501 | 0.442 | 0.349 | 0.254 |       |
| P40                 | 1.266 | 0.727       | 0.633 | 0.551 | 0.443 | 0.32  |       |
| P50                 | 1.69  | 0.96        | 0.84  | 0.74  |       |       |       |
| P60                 | 2.31  | 1.33        | 1.15  | 0.999 |       |       |       |

### Luminaire 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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### PERFORMANCE PACKAGES

| Performance Package | Distribution | Input Watts | 3K (3000K CCT, 70 CRI) |     | 4K (4000K CCT, 70 CRI) |     | 5K (5000K CCT, 70 CRI) |     | LLD @ 25°C |           |            |
|---------------------|--------------|-------------|------------------------|-----|------------------------|-----|------------------------|-----|------------|-----------|------------|
|                     |              |             | Lumens                 | LPW | Lumens                 | LPW | Lumens                 | LPW | 50k Hours  | 75k Hours | 100k Hours |
| P05                 | 44           | 37          | 5,441                  | 147 | 5,548                  | 150 | 5,648                  | 153 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 5,677                  | 153 | 5,789                  | 156 | 5,893                  | 159 |            |           |            |
|                     | 65           |             | 5,248                  | 142 | 5,351                  | 145 | 5,448                  | 147 |            |           |            |
|                     | 66           |             | 5,539                  | 150 | 5,649                  | 153 | 5,751                  | 155 |            |           |            |
| P10                 | 44           | 52          | 7,271                  | 140 | 7,414                  | 143 | 7,548                  | 145 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 7,586                  | 146 | 7,736                  | 149 | 7,876                  | 151 |            |           |            |
|                     | 65           |             | 7,013                  | 135 | 7,151                  | 138 | 7,280                  | 140 |            |           |            |
|                     | 66           |             | 7,403                  | 142 | 7,548                  | 145 | 7,685                  | 148 |            |           |            |
| P20                 | 44           | 83          | 12,135                 | 138 | 12,374                 | 141 | 12,598                 | 143 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 12,663                 | 144 | 12,912                 | 147 | 13,145                 | 149 |            |           |            |
|                     | 65           |             | 11,705                 | 133 | 11,936                 | 136 | 12,152                 | 138 |            |           |            |
|                     | 66           |             | 12,356                 | 140 | 12,599                 | 143 | 12,827                 | 146 |            |           |            |
| P30                 | 44           | 123         | 17,391                 | 141 | 17,733                 | 144 | 18,054                 | 147 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 18,146                 | 148 | 18,503                 | 150 | 18,838                 | 153 |            |           |            |
|                     | 65           |             | 16,774                 | 136 | 17,104                 | 139 | 17,414                 | 142 |            |           |            |
|                     | 66           |             | 17,707                 | 144 | 18,055                 | 147 | 18,382                 | 149 |            |           |            |
| P40                 | 44           | 154         | 21,540                 | 138 | 21,965                 | 141 | 22,362                 | 143 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 22,476                 | 144 | 22,919                 | 147 | 23,333                 | 150 |            |           |            |
|                     | 65           |             | 20,777                 | 133 | 21,186                 | 136 | 21,569                 | 138 |            |           |            |
|                     | 66           |             | 21,932                 | 141 | 22,364                 | 143 | 22,768                 | 146 |            |           |            |
| P50                 | 44           | 201         | 26,719                 | 133 | 27,245                 | 136 | 27,738                 | 138 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 27,878                 | 139 | 28,428                 | 141 | 28,942                 | 144 |            |           |            |
|                     | 65           |             | 25,771                 | 128 | 26,278                 | 131 | 26,754                 | 133 |            |           |            |
|                     | 66           |             | 27,204                 | 135 | 27,740                 | 138 | 28,241                 | 141 |            |           |            |
| P60                 | 44           | 254         | 32,284                 | 127 | 32,920                 | 130 | 33,515                 | 132 | 0.92       | 0.89      | 0.85       |
|                     | 55           |             | 33,685                 | 133 | 34,349                 | 135 | 34,970                 | 138 |            |           |            |
|                     | 65           |             | 31,138                 | 123 | 31,752                 | 125 | 32,326                 | 127 |            |           |            |
|                     | 66           |             | 32,870                 | 129 | 33,517                 | 132 | 34,123                 | 134 |            |           |            |



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