



ACP0 P30 MVOLT 66 3K YK NL 0463

250HPS, 400MV, 300MH, 400MH

# ACPOLED Series

## American Compact LED Floodlight

### 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.

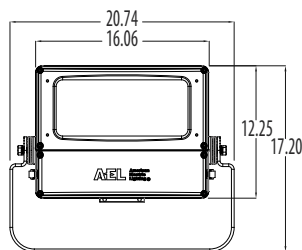
CSA Certified to U.S. and Canadian standards.

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.

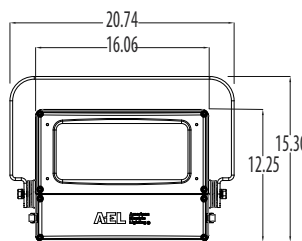
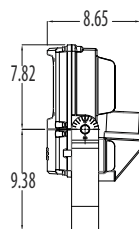
### Applications:

Auto dealerships  
Schools  
Churches  
Industrial sites

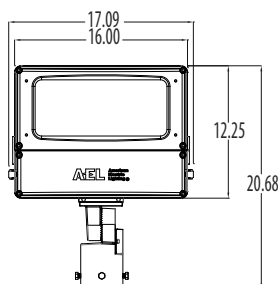
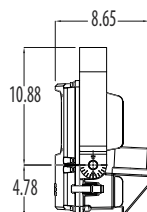
Shopping centers  
Parking lots  
Substations  
Building facades



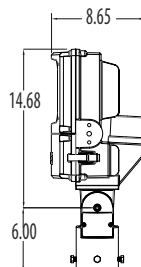
TN/YG-Yoke Mount Luminaire EPA of 1.76 Ft<sup>2</sup> and max weight 30 lbs.



YK-Yoke Mount Luminaire EPA of 1.76 Ft<sup>2</sup> and max weight 31 lbs.



Tenon Mount Luminaire EPA of 1.89 Ft<sup>2</sup> and max weight 28 lbs.



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### ORDERING INFORMATION

ACPO		P30		MVOLT		66		3K	
Series		LED Performance Package		Voltage		Optics		Color Temperature	
<b>ACPOLED</b>		<b>P05</b>	5,600 lumens	<b>MVOLT</b>	Multiple voltage (120V - 277V)	<b>44</b>	Medium Flood (4x4)	<b>Blank</b>	4000K CCT
		<b>P10</b>	7,500 lumens	<b>347</b>	347V	<b>55</b>	Flood (5x5)	<b>3K</b>	3000K CCT
		<b>P20</b>	12,800 lumens	<b>480</b>	480V	<b>66</b>	Wide Flood (6x6)	<b>5K</b>	5000K CCT
		<b>P30</b>	18,000 lumens	<b>XVOLT</b>	277V-480V	<b>65</b>	Wide Flood Rectangle (6x5)		
		<b>P40</b>	22,500 lumens						
		<b>P50</b>	27,700 lumens						
		<b>P60</b>	33,500 lumens						
YK						P7		04	
Mounting Methods		Color		Surge Protection		Options/Controls		Cord Length	
<b>TM</b> Tenon Slipfitter - knuckle (cord/leads exit bottom slipfitter)		<b>Blank</b>	Gray Paint	<b>Blank</b>	default: 20kV/10kA w/Indicator Light Extreme Surge (fail off)	<b>Blank</b>	3 pin rotatable NEMA receptacle	<b>04</b>	4 ft cord length
<b>TS</b> Tenon Slipfitter - knuckle (cord exit side of slipfitter)		<b>BK</b>	Black Paint	<b>MP</b>	10kV/5kA MOV (fail on)	<b>P7</b>	7 pin rotatable NEMA receptacle	<b>05</b>	5 ft cord length
<b>YK</b> Yoke Painted Steel		<b>BZ</b>	Bronze Paint			<b>NR</b>	No PER receptacle	<b>06</b>	6 ft cord length
<b>YE</b> Yoke Painted Steel Extended Length		<b>GI</b>	Graphite Paint			<b>PCLL</b>	Solid State Long Life Photocontrol	<b>08</b>	8 ft cord length
<b>YG</b> Yoke Galvanized Steel		<b>WH</b>	White Paint			<b>PCSS</b>	Solid State Photocontrol	<b>10</b>	10 ft cord length
						<b>HRSBOR<sup>1</sup></b>	nLight Air Occ. and daylight sensor (15-30 ft)		
						<b>LRSBOR<sup>1</sup></b>	nLight Air Occ. and daylight sensor (8-15 ft)		
						<b>SH</b>	Shorting Cap		
						<b>AO</b>	Field Adjustable Output		
						<b>DL</b>	DALI Driver - Consult Factory		
63		NL							
Cord Type		Miscellaneous				Accessories (Shipped Separately)			
<b>23</b>	12 gage, 3 conductor	<b>TL</b>	Tool-less entry with latches			<b>ACPOLEDFV-BK</b>	Full Visor - Black Paint		
<b>43</b>	14 gage, 3 conductor	<b>NL</b>	Nema Label			<b>ACPOLEDFV-BZ</b>	Full Visor - Bronze Paint		
<b>63</b>	16 gage, 3 conductor	<b>XL</b>	No terminal block cover and not certified			<b>ACPOLEDFV-GH</b>	Full Visor - Graphite Paint		
						<b>ACPOLEDFV-GY</b>	Full Visor - Gray Paint		
						<b>ACPOLEDFV-WH</b>	Full Visor - White Paint		
						<b>ACPOLEDUBV-BK</b>	Upper/Bottom Visor - Black Paint		
						<b>ACPOLEDUBV-BZ</b>	Upper/Bottom Visor - Bronze Paint		
						<b>ACPOLEDUBV-GH</b>	Upper/Bottom Visor - Graphite Paint		
						<b>ACPOLEDUBV-GY</b>	Upper/Bottom Visor - Gray Paint		
						<b>ACPOLEDUBV-WH</b>	Upper/Bottom Visor - White Paint		
						<b>ACPOLEDVG</b>	Vandal Guard		
						<b>ACPOLEDWG</b>	Wire Guard		

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

1. Requires TS mount selection.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023

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**Warranty** Five-year limited warranty. Complete warranty terms located at:

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### 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	Y
	347	Y	Y	Y	Y	Y	N	N					Y	Y	Y	Y	N	Y	Y	Y	Y
	480	Y	Y	Y	Y	Y	N	N					Y	Y	Y	N	N	Y	Y	Y	Y
	XVOLT	Y	Y	Y	Y	Y	N	N					Y	Y	Y	Y	N	Y	Y	Y	Y
Options	P7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	Y	Y	N	Y	Y	Y
	P3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N	Y	Y	N	Y	Y	Y
	NR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N		N	N	Y	N	Y	Y
	PCLL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N		N	N	Y	Y	Y
	PCSS	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	N	N		N	N	Y	Y
	xRSBOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	N	N		N	N	N
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N		Y	Y
	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y		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	37	0.307	0.176	0.154	0.135	0.104	0.079
P10	52	0.417	0.238	0.207	0.18	0.143	0.105
P20	83	0.694	0.405	0.358	0.315	0.245	0.18
P30	123	0.995	0.574	0.501	0.442	0.349	0.254
P40	154	1.266	0.727	0.633	0.551	0.443	0.32
P50	201	1.69	0.96	0.84	0.74		
P60	254	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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