



ACPOLED Series

American Compact LED Floodlight

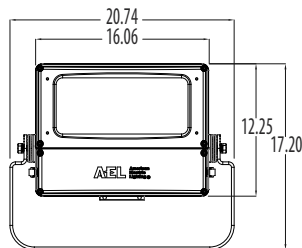
PRODUCT OVERVIEW



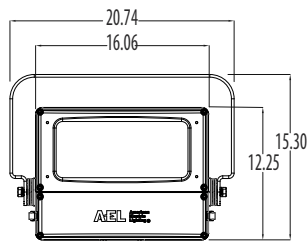
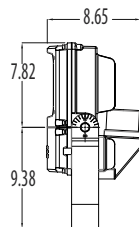
Applications:

Auto dealerships
Schools
Churches
Industrial sites

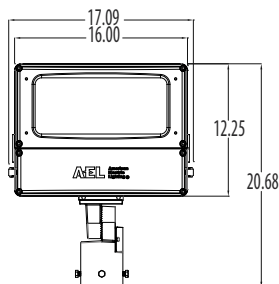
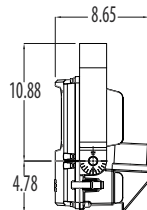
Shopping centers
Parking lots
Substations
Building facades



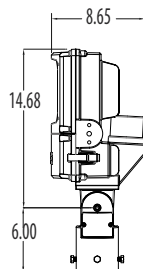
YK-Yoke Mount Luminaire EPA of 1.76 Ft² and max weight 30 lbs.



YKE-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.



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. The yoke mount unit is shipped prewired with specified cord type and cord length to facilitate easy wiring of luminaire. The tenon mount unit is prewired to luminaire wiring chamber.

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 minimum 100,000 hours at 25C, L70. Electronic driver has an expected life of 100,000 hours at a 25C ambient.

Robust surge protection: Three different surge protection options provide a minimum IEEE/ANSI C62.41 category C (10kV/5kA) protection. Extreme 20kV/10kA protection is also available.

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 medium flood (4X4), flood (5x5) wide flood (6x6), and wide flood rectangle (6x5). The luminaire is available with 3000K, 4000K, and 5000K with minimum CRI of 70.

Optional shielding available to control light trespass and uplight. Optical enclosure shall be glass lens.

Controls

NEMA photocontrol receptacle 3 pin (P3) or 7 pin (P7) 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 to confirm which versions are qualified.

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ORDERING INFORMATION

Example: ACPOLED PK3 MVOLT WFL 40K TM GYSDP 10KVIL PER7 TL

Series	Performance Package	Voltage	Direct Distribution	Color Temperature (CCT)
ACPOLED	PK1 6,000 Lumen Package PK2 10,000 Lumen Package PK3 14,000 Lumen Package PK4 18,000 Lumen Package PK5 22,000 Lumen Package	MVOLT Multi-volt (120-277) 347 347V 480 480V	MFL Medium Flood (4X4) FL Flood (5X5) WFL Wide Flood (6X6) WFR Wide Flood Rectangle (6X5)	30K 3000K 40K 4000K 50K 5000K
Mounting Method	Color	Surge protection	Options/Controls	Cord Length ^{5,6}
TM Tenon Slipfitter - Knuckle YK Yoke Painted Steel YKE Yoke Painted Steel Extended Length YG Yoke Galvanized Steel	BZSDP Bronze Super Durable Paint Finish BKSDP Black Super Durable Paint Finish GYSDP Gray Super Durable Paint Finish WHSDP White Super Durable Paint Finish GHSDP Graphite Super Durable Paint Finish	10KVIL 10kV/5kA Fail off w/Indicator Light 10KVMP 10kV/5kA MOV (fail on) 20KV 20kV/10kA Extreme Surge (fail off)	PER7 P7 Rotating PC Receptacle ¹ PER3 P3 Receptacle ¹ NR No Photocontrol Receptacle ⁴ DM 0-10V Dimming Control (controls provided by others) ² DSS Solid State Photocontrol ¹ DLL Solid State Long Life Photocontrol ¹ SH Shorting Cap ¹ AO Field Adjustable Output ³ DALI Dali driver- consult factory PNMT Part night dimming – consult factory	04 4 ft. cord length 05 5 ft. cord length 06 6 ft. cord length 08 8 ft. cord length 10 10 ft. cord length 12 12 ft. cord length 15 15 ft. cord length 20 20 ft. cord length 25 25 ft. cord length
Cord Type	Miscellaneous	Accessories (Shipped Separately)		
63 16 gage, 3 conductor cord 43 14 gage, 3 conductor cord 23 12 gage, 3 conductor cord 65 16 gage, 5 conductor cord ¹¹	TL Tool Less Entry NL NEMA Lable	ACPOLED FV-BZSDP Full Visor Bronze ⁷ ACPOLED FV-BKSDP Full Visor Black ⁷ ACPOLED FV-GYSDP Full Visor Grey ⁷ ACPOLED FV-WHSDP Full Visor White ⁷ ACPOLED FV-GHDP Full Visor Graphite ⁷ ACPOLED UBV-BZSDP Upper/Bottom visor (universal) Bronze ⁸ ACPOLED UBV-BKSDP Upper/Bottom visor (universal) Black ⁸ ACPOLED UBV-GYSDP Upper/Bottom visor (universal) Grey ⁸ ACPOLED UBV-WHSDP Upper/Bottom visor (universal) White ⁸ ACPOLED UBV-GHSDP Upper/Bottom visor (universal) Graphite ⁸ ACPOLED VG Vandal Guard ⁹ ACPOLED WG Wire Guard ¹⁰		

- Not available with NR
- Not available with AO
- Not available with DM
- Not available with DM, PER7, PER3, SH, DSS, DLL
- Requires cord length and cord type
- Not available with TM mounting
- Not compatible with WG, VG, UBV
- Not compatible with WG, VG, FV
- Not compatible with WG, FV, UBV
- Not compatible with VG, FV, UBV
- Used with YK, YKE, YG and DM only



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
 www.americanelectriclighting.com

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Warranty Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
 Actual performance may differ as a result of end-user environment and application.
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PERFORMANCE PACKAGES

Performance Package	Distribution	Input Watts	3K (3000K CCT, 70 CRI Min.)		4K/5K (4000K/5000K CCT, 70 CRI Min.)		LLD @ 25°C		
			Lumens	LPW	Lumens	LPW	25k Hours	75k Hours	100k Hours
PK1	MFL	49	5,406	110	5,877	120	0.98	0.96	0.92
	FL		5,598	114	6,085	124			
	WFL		5,772	118	6,274	128			
	WFR		5,683	116	6,177	126			
	MFL with FV		5,051	103	5,490	112			
	FL with FV		5,066	103	5,507	112			
	WFL with FV		4,825	98	5,245	107			
	WFR with FV		4,998	102	5,432	111			
	MFL with UBv		5,231	107	5,686	116			
	FL with UBv		5,390	110	5,859	120			
	WFL with UBv		5,327	109	5,790	118			
	WFR with UBv		5,395	110	5,864	120			
PK2	MFL	79	8,746	111	9,506	120	0.98	0.96	0.92
	FL		9,056	115	9,844	125			
	WFL		9,338	118	10,150	128			
	WFR		9,193	116	9,993	126			
	MFL with FV		8,170	103	8,881	112			
	FL with FV		8,195	104	8,908	113			
	WFL with FV		7,805	99	8,484	107			
	WFR with FV		8,085	102	8,788	111			
	MFL with UBv		8,463	107	9,199	116			
	FL with UBv		8,719	110	9,477	120			
	WFL with UBv		8,617	109	9,366	119			
	WFR with UBv		8,727	110	9,486	120			
PK3	MFL	119	12,562	106	13,654	115	0.98	0.96	0.92
	FL		13,008	109	14,139	119			
	WFL		13,412	113	14,579	123			
	WFR		13,205	111	14,353	121			
	MFL with FV		11,736	99	12,756	107			
	FL with FV		11,771	99	12,795	108			
	WFL with FV		11,211	94	12,186	102			
	WFR with FV		11,613	98	12,622	106			
	MFL with UBv		12,155	102	13,212	111			
	FL with UBv		12,524	105	13,613	114			
	WFL with UBv		12,377	104	13,453	113			
	WFR with UBv		12,535	105	13,626	115			
PK4	MFL	150	15,901	106	17,284	115	0.98	0.96	0.92
	FL		16,466	110	17,898	119			
	WFL		16,978	113	18,454	123			
	WFR		16,715	111	18,169	121			
	MFL with FV		14,855	99	16,147	108			
	FL with FV		14,902	99	16,197	108			
	WFL with FV		14,191	95	15,425	103			
	WFR with FV		14,701	98	15,979	107			
	MFL with UBv		15,386	103	16,724	111			
	FL with UBv		15,853	106	17,232	115			
	WFL with UBv		15,666	104	17,028	114			
	WFR with UBv		15,867	106	17,247	115			
PK5	MFL	199	19,876	100	21,605	109	0.96	0.92	0.85
	FL		20,583	103	22,373	112			
	WFL		21,222	107	23,068	116			
	WFR		20,894	105	22,711	114			
	MFL with FV		18,569	93	20,184	101			
	FL with FV		18,627	94	20,247	102			
	WFL with FV		17,739	89	19,281	97			
	WFR with FV		18,376	92	19,974	100			
	MFL with UBv		19,232	97	20,905	105			
	FL with UBv		19,817	100	21,540	108			
	WFL with UBv		19,583	98	21,286	107			
	WFR with UBv		19,834	100	21,558	108			



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PERFORMANCE PACKAGES

ACPOLED	Input Operating Amps					
	120V	208V	240V	277V	347V	480V
PK1	0.41	0.24	0.21	0.18	0.15	0.11
PK2	0.66	0.39	0.34	0.29	0.22	0.17
PK3	0.99	0.58	0.51	0.45	0.37	0.28
PK4	1.25	0.72	0.63	0.55	0.45	0.34
PK5	1.66	0.96	0.83	0.72	0.58	0.43

LAT				
0C	15C	25C	35C	40C
1.06	1.02	1.00	0.98	0.96

AO Module		
AO setting	Lumens %	Wattage %
8	100%	100%
7	100%	100%
6	100%	100%
5	90%	87%
4	79%	75%
3	68%	61%
2	55%	49%
1	42%	37%



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