

ACPOLED Series

American Compact LED Floodlight

PRODUCT OVERVIEW



Applications:

- | | |
|------------------|------------------|
| Auto dealerships | Shopping centers |
| Schools | Parking lots |
| Churches | Substations |
| Industrial sites | 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. 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).

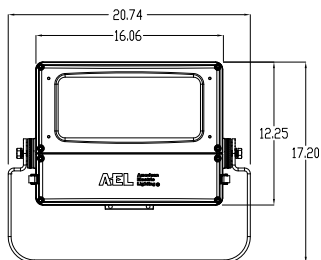
Optional extreme long life solid state locking –style photocontrol – DLL (20 year rated life).

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

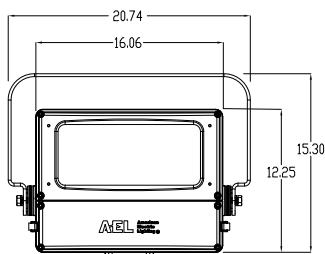
Standards

Suitable for ambient temperature -40C to 40C.

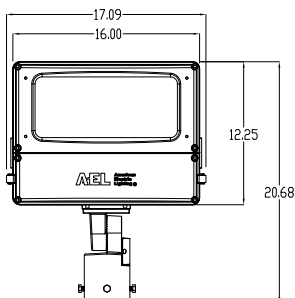
CSA Certified to U.S. and Canadian standards.



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.

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ORDERING INFORMATION

Example: ACP0LED PK3 MVOLT WFL 40K TM GYSDP

Series	Performance Package	Voltage	Direct Distribution	Color Temperature (CCT)
ACP0LED Flood	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
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)

Options/Controls	Cord Length	Cord Type
PER7 P7 Rotating PC Receptacle PER3 P3 Receptacle NR No Photocontrol Receptacle DM 0-10V Dimming Control (controls provided by others) DSS Solid State Photocontrol DLL Solid State Long Life Photocontrol SH Shorting Cap AO Field Adjustable Output 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	63 16 gage, 3 conductor cord 43 14 gage, 3 conductor cord 23 12 gage, 3 conductor cord

Miscellaneous	Accessories (Shipped Separately)
TL Tool Less Entry NL NEMA Label	ACP0LEDV-BZSDP Full Visor Bronze ACP0LEDV-BKSDP Full Visor Black ACP0LEDV-GYSDP Full Visor Grey ACP0LEDV-WHSDP Full Visor White ACP0LEDV-GHDP Full Visor Graphite ACP0LEDUBV-BZSDP Upper/Bottom visor (universal) Bronze ACP0LEDUBV-BKSDP Upper/Bottom visor (universal) Black ACP0LEDUBV-GYSDP Upper/Bottom visor (universal) Grey ACP0LEDUBV-WHSDP Upper/Bottom visor (universal) White ACP0LEDUBV-GHSDP Upper/Bottom visor (universal) Graphite ACP0LEDVG Vandal Guard ACP0LEDWG Wire Guard

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Performance Packages

ACPOLED	Distribution	Lumens	Input Watts	LPW	Input Operating Amps					
		4000K			120V	208V	240V	277V	347V	480V
PK1					0.41	0.24	0.21	0.18	0.15	0.11
	MFL	5,877	49	120						
	FL	6,085	49	124						
	WFL	6,274	49	128						
	WFR	6,177	49	126						
PK2					0.66	0.39	0.34	0.29	0.22	0.17
	MFL	9,506	79	120						
	FL	9,844	79	125						
	WFL	10,150	79	128						
	WFR	9,993	79	126						
PK3					0.99	0.58	0.51	0.45	0.37	0.28
	MFL	13,654	119	115						
	FL	14,139	119	119						
	WFL	14,579	119	123						
	WFR	14,353	119	121						
PK4					1.25	0.72	0.63	0.55	0.45	0.34
	MFL	17,284	150	115						
	FL	17,898	150	119						
	WFL	18,454	150	123						
	WFR	18,169	150	121						
PK5					1.66	0.96	0.83	0.72	0.58	0.43
	MFL	21,605	199	109						
	FL	22,372	199	112						
	WFL	23,067	199	116						
	WFR	22,711	199	114						

LLD					
	PK1	PK2	PK3	PK4	PK5
25,000 hours	0.98	0.98	0.98	0.98	0.96
50,000 hours	0.96	0.96	0.96	0.96	0.92
100,000 hours	0.92	0.92	0.92	0.92	0.85

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%

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



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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. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.