



75LED Series

UltraFlood™ Series 75LED Floodlight

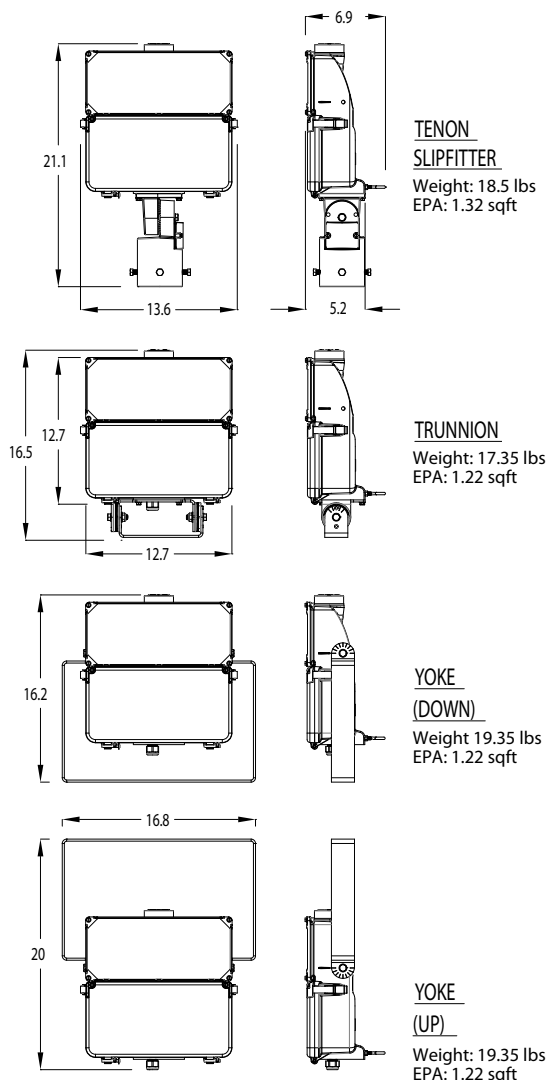
PRODUCT OVERVIEW



Applications:

Auto dealerships
Schools
Churches
Industrial sites

Shopping centers
Parking lots
Substations
Building facades



Features:

Mechanical

Low copper content die-cast aluminum housing and electrical cover with bolts or optional stainless steel latches disengage 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 and is adjustable to fit 2-3/8 inch to 2-7/8 inch tenon.

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.

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

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

Luminaire available with either a 0-10v dimmable driver or DALI D4i driver. Luminaire is continuous and step dimming capable via AO option or other installed controls.

XVOLT tank driver option for protection against dropped neutrals and other power quality issues.

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.

Optical enclosure is flat glass lens.

Optional shielding available to control light trespass and uplight.

Controls

The Acuity designed ANSI 7-pin receptacle is available, which supports traditional locking style photocontrols such as the Extreme long-life solid-state locking style photocontrol - PCLL (20 year rated life).

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

The DC Connect option is a factory embedded low voltage dusk to dawn photocontrol that increases longevity vs. line voltage controls and also eliminates the need to separately inventory controls.

The Local Connect option provides a simple means to collect luminaire attribute data, asset location information and execute point-to-point on/off/dim commands via secure Bluetooth link using smartphone platforms.

Cell Connect is an embedded network photocontrol with cellular communication. It provides digital switching, precise dimming, and revenue grade metrology. Cell Connect leverage D4i drivers to communicate real-time data to UbiVu, a cloud-based asset management system.

Additionally, it can be equipped with sensor-ready technology to support Zhaga standard sensors enabling smart city solutions utilizing long range network nodes to enable remote monitoring and control.

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 to confirm which versions are qualified.

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ORDERING INFORMATION

Series	LED Performance Package	Voltage	Driver	Optics	Color Temperature
75LED	P10 6,000 Lumens P20 7,800 Lumens P30 12,000 Lumens P40 15,000 Lumens P50 19,000 Lumens P60 25,000 Lumens P70 27,000 Lumens	MVOLT Multi-volt (120V - 277V) 347 347V 480 480V XVOLT 277-480V with enhanced power quality protection	ZT 0-10V dimmable driver D4I D4I driver	55 5x5 (flat glass) 66 6x6 (flat glass)	3K 3000K CCT, 70 CRI Min 4K 4000K CCT, 70 CRI Min 5K 5000K CCT, 70 CRI Min
Mounting Method	Color	Cord Length	Cord Type	Top Receptacle	
TM Tenon Slipfitter - knuckle (cord exit bottom slipfitter) KO Tenon Slipfitter - knuckle (cord exit side OR nLight Air mounting) TN Trunnion, painted steel TG Trunnion, galvanized YK Yoke, painted steel YG Yoke, galvanized steel	GY Gray Paint BK Black Paint BZ Bronze Paint GI Graphite Paint WH White Paint	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	23 12 gage, 3 conductor 43 14 gage, 3 conductor 63 16 gage, 3 conductor	NTR No top receptacle PR3 3 Pin rotatable NEMA receptacle PR7 7 Pin rotatable NEMA receptacle ZRT Zhaga receptacle top	
Twist-Lock Photocontrols	Embedded Controls	Misc Options	Accessories (Shipped Separately)		
PCLL Solid State Long Life Photocontrol (fail off) PCSS Solid State Photocontrol 120-277V (fail off) (Not CSA Listed) SH Shorting Cap DZP DTL DZP DC Zhaga Photocontrol	ALCB Local Connect Basic ALCC Local Connect Custom ALCF Local Connect Full DDC DC Connect Photocontrol UBC Cell Connect LRSBOR nLight Air Occ. and daylight sensor (8-15 ft) HRSBOR nLight Air Occ. and daylight sensor (15-30 ft)	AO Field Adjustable Output CS CSA Certified to US and Canadian Safety Stds. IBC Eye Bolt NL Nema Label TB Terminal block TL Tool-less entry with latches	75LED1FVBZ UltraFlood™ 75LED Full Visor with Bronze Paint 75LED1FVBK UltraFlood™ 75LED Full Visor with Black Paint 75LED1FVGY UltraFlood™ 75LED Full Visor with Gray Paint 75LED1FVWH UltraFlood™ 75LED Full Visor with White Paint 75LED1FVGI UltraFlood™ 75LED Full Visor with Graphite Paint 75LED1UBVBZ UltraFlood™ 75LED Upper/Bottom Visor with Bronze Paint 75LED1UBVBK UltraFlood™ 75LED Upper/Bottom Visor with Black Paint 75LED1UBVGY UltraFlood™ 75LED Upper/Bottom Visor with Gray Paint 75LED1UBVWH UltraFlood™ 75LED Upper/Bottom Visor with White Paint 75LED1UBVGI UltraFlood™ 75LED Upper/Bottom Visor with Graphite Paint 75LED1VG UltraFlood™ 75LED Vandal Guard 75LED1WG UltraFlood™ 75LED Wire Guard		



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OPTIONS MATRIX

75LED		Voltage				Driver		Top Receptacle				Twist-Lock Photocontrols				Embedded Controls							
		MVOLT	347	480	XVOLT	ZT	D4i	NTR	PR3	PR7	ZRT	PCLL	PCSS	SH	DZP	ALCB	ALCC	ALCF	DDC	UBC	HRSBOR	LRSBOR	AO
Voltage	MVOLT					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	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	480					Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	XVOLT					Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Driver	ZT	Y	Y	Y	Y			Y	Y	Y	N	Y	Y	Y	N	N	N	N	N	N	Y	Y	Y
	D4i	Y	Y	Y	Y			Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N
Top Receptacle	NTR	Y	Y	Y	Y	Y	Y					N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	PR3	Y	Y	Y	Y	Y	N					Y	Y	Y	N	N	N	N	N	N	N	N	Y
	PR7	Y	Y	Y	Y	Y	Y					Y	Y	Y	N	N	N	N	N	N	N	N	Y
	ZRT	Y	Y	Y	Y	N	Y					N	N	N	Y	N	N	N	N	N	N	N	N
Twist-Lock Photocontrol	PCLL	Y	Y	Y	N	Y	Y	N	Y	Y	N					N	N	N	N	N	N	N	Y
	PCSS	Y	N	N	N	Y	Y	N	Y	Y	N					N	N	N	N	N	N	N	Y
	SH	Y	Y	Y	Y	Y	Y	N	Y	Y	N					N	N	N	N	N	N	N	Y
	DZP	Y	Y	Y	Y	N	Y	N	N	N	Y					N	N	N	N	N	N	N	N
Embedded Controls	ALCB	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N								
	ALCC	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N								
	ALCF	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N								
	DDC	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N								
	UBC	Y	Y	Y	Y	N	Y	Y	N	N	N	N	N	N	N								
	HRSBOR	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N								
	LRSBOR	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N								
	AO	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N								

D4i Driver Option Defaults			
Setting	Top Receptacle / Photocontrol	Default Value	Alternate Values
DALI Power Bus	NTR	ON	Off
	ALCB / ALCF / ALCC	ON	none
	DDC	ON	none
	PR7	OFF	On
	ZRT	ON	Off
	DZP	ON	Off
Dimming Type	Any	LINEAR	Logarithmic
24V AUX	Any	ON (Not Connected)	none
Scenes Data	Any	0 (blank)	01-255

*To program different settings, consult factory; RFD is required

75LED		Driver/Voltage							
		MVOLT		347		480		XVOLT	
		ZT	D4i	ZT	D4i	ZT	D4i	ZT	D4i
Performance Package	P10	Y	Y	Y	Y	Y	Y	N	Y
	P20	Y	Y	Y	Y	Y	Y	N	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	Y	Y	Y	Y	Y	Y
	P60	Y	Y	Y	Y	Y	Y	Y	Y
	P70	Y	Y	Y	Y	Y	Y	Y	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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