



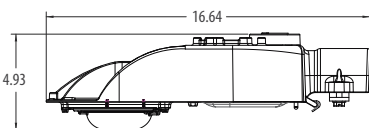
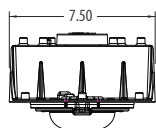
WATCH LIGHT Series

WLT LED Security Lighting

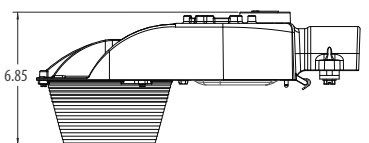
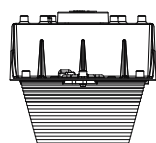
PRODUCT OVERVIEW



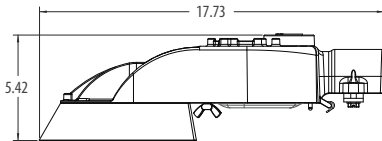
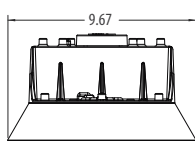
DIMENSIONS



R3/R5 Optic



D3/D5 Optic



N3/N5 Optic

Effective Projected Area (EPA). The EPA for the WLT is 0.35 sq. ft, Weight= 7.5 lbs. (3.4 kg)

STANDARDS

Rated for -40°C to 40°C ambient

CSA Certified to U.S. and Canadian standards

Complies with ANSI: C136.2, C136.10, C136.31, C136.15, C136.37

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.

Features:

OPTICAL

Durable prismatic glass optics

Wide variety of lumen packages in type 3 & 5 distributions

Optional acrylic refactor provides additional vertical foot-candles

3000K & 4000K CCT, 70 CRI minimum

ELECTRICAL

120 – 277 volt

Ships standard with 0-10V dimmable driver, or optional DALI D4i driver

Robust Surge Protection: Three different surge protection options provide a minimum of 6kV/3kA, 10kV/5kA or 20kV/10kA protection, per ANSI C136.2.

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

Lower Energy: Saves an expected of 40-60% over comparable HID luminaires.

MECHANICAL

All aluminum housing & door

2-bolt mounting with +/- 5° adjustment

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter.

Provides a 3G vibration rating per ANSI C136.31

Optional stainless steel thumbscrew for tool-less entry

ANSI standard wattage label on all units

Rigorous pre-treatment and paint process (GY option) yields a finish that achieves a scribe creepage rating of 10 (per ASTM D1654) after 5000 hours exposure to salt fog chamber (operated per ASTM B117).

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).

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.

WATCH LIGHT Series

WLT LED Security Lighting

ORDERING INFORMATION

Series		Lumen Package		Voltage		Driver		Optics		Color Temperature	
WLT Watch Light		A 34W, 5,000 Nominal Lumens B 43W, 6,300 Nominal Lumens C 51W, 7,400 Nominal Lumens D 62W, 9,100 Nominal Lumens E 72W, 10,200 Nominal Lumens F 79W, 11,100 Nominal Lumens		MVOLT Multiple Voltage 120V-277VAC		ZT 0-10V dimmable D4i DALI D4i driver for 120-277VAC		R3 Roadway Type 3 R5 Roadway Type 5 N3 Type 3 - zero uplight N5 Type 5 - zero uplight D3 Type 3 with Drop Refractor D5 Type 5 with Drop Refractor		3K 3000K Color Temperature, 70CRI 4K 4000K Color Temperature, 70CRI	
Paint		Surge protection		Miscellaneous		Receptacle Top		Receptacle Bottom		Photo Control	
UA Unfinished Aluminum GY Gray Super Durable paint		6K ³ 6kV/3kA, no supplemental surge device MP 10kV/5kA, Fail ON device 20 20kV/10kA Fail OFF device		TB ² Terminal block IG Insect Guard LTS Light trespass shield TL Tool-less door entry CC ¹ UL/CSA Certified PW# Pre-wire, # indicates wire length in one foot increments from 1' thru 10' (e.g. PW4 = 4' of pre-wire) JP Job Pack (30 per pallet)		P3 3 Pin NEMA Photocontrol Receptacle P7 7 Pin Dimming Capable Photocontrol Receptacle ZRT Zhaga Receptacle top NTR No Top Receptacle		NBR No Receptacle Bottom ZRB Zhaga Receptacle Bottom		SH Shorting Cap PCLL DTL DLL Photocontrol DZP DTL DZP DC Zhaga Photocontrol	
Embedded Controls		Install Packages		Install Package with Embedded Controls		Accessories (Shipped Separately)		Controls Training			
ALCB Local Connect Basic (DTL DELC) ALCF Local Connect Full (DTL DELC) ALCC Local Connect Custom (DTL DELC) Requires RFD DDC DC Connect Photocontrol (DTL DEP) UBC Cell Connect		PKGL24 DTL DLL photocontrol + 24" x 1-1/4" arm PKGZ24 DTL DZP photocontrol + 24" x 1-1/4" arm All packages ship with 5' prewire and mounting hardware		PKGE24 ⁴ Embedded Control + 24" x 1-1/4" arm All packages ship with 5' prewire and mounting hardware		WLTLSU Light Trespass Shield for R3 & R5 Optics WLTLSRN Light Trespass Shield for N3 & N5 Optics WLTLS D Light Trespass Shield for D3 & D5 Optics WLTSS Street side Shield for R3, R5, N3, & N5 Optics WLTNU Zero-uplight Shield WLTREF Drop Refractor		LCTRAIN Local Connect Remote Training; 1 day training provided by Acuity Services Team			

NOTES:

- When selected, the CC (UL/CSA Certified) option includes a 3 position terminal block in luminaire. Selection of TB option is not required in that case.
- TB (Terminal Block) option is not required if CC (UL/CSA Certified) option is also selected.
- Not available with UBC option.
- PKGE24 must have Embedded Control nomenclature specified in catalog number.



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WATCH LIGHT Series

WLT LED Security Lighting

OPTIONS MATRIX

WLT		Driver		Receptacle Top				Receptacle Bottom		Photocontrols			Embedded Controls				
		ZT	D4I	NTR	P3	P7	ZRT	NBR	ZRB	SH	PCLL	DZP	DDC	ALCB	ALCF	ALCC	UBC
Driver	ZT			Y	Y	Y	N	Y	N	Y	Y	N	N	N	N	N	N
	D4I			Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Receptacle Top	NTR	Y	Y					Y	Y	N	N	N	Y	Y	Y	Y	Y
	P3	Y	N					Y	N	Y	Y	N	N	N	N	N	N
	P7	Y	Y					Y	Y	Y	Y	N	Y	Y	Y	Y	N
	ZRT	N	Y					Y	Y	N	N	Y	Y	Y	Y	Y	N
Receptacle Bottom	NBR	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y
	ZRB	N	Y	Y	N	Y	Y			Y	Y	Y	N	N	N	N	Y
Photocontrols	SH	Y	Y	N	Y	Y	N	Y	Y				Y	Y	Y	Y	N
	PCLL	Y	Y	N	Y	Y	N	Y	Y				N	N	N	N	N
	DZP	N	Y	N	N	N	Y	Y	Y				N	N	N	N	N
Embedded Controls	DDC	N	Y	Y	N	Y	Y	Y	N	Y	N	N					
	ALCB	N	Y	Y	N	Y	Y	Y	N	Y	Y	N					
	ALCF	N	Y	Y	N	Y	Y	Y	N	Y	Y	N					
	ALCC	N	Y	Y	N	Y	Y	Y	N	Y	Y	N					
	UBC	N	Y	Y	N	N	N	Y	Y	N	N	N					

Y = Option combination is allowed

N = Option combination is not allowed

D4i DRIVER OPTION DEFAULTS

Setting	Receptacle Top	Receptacle Bottom	Embedded Control	Default Value	Alternate Values
DALI Power Bus	NTR	NBR	none	ON	Off
	NTR	NBR	ALCB / ALCF / ALCC	ON	none
	NTR	NBR	DDC	ON	none
	NTR	ZRB	none	ON	Off
	NTR	NBR	UBC	ON	none
	NTR	ZRB	UBC	ON	none
	P7	NBR	none	OFF	On
	P7	NBR	ALCB / ALCF / ALCC	ON	none
	P7	NBR	DDC	ON	none
	P7	ZRB	none	OFF	On
	ZRT	NBR	none	ON	Off
	ZRT	NBR	ALCB / ALCF / ALCC	ON	none
	ZRT	NBR	DDC	ON	none
	ZRT	ZRB	none	ON	Off
Dimming Type	All	All	Any	LINEAR	Logarithmic
24V AUX	All	All	Any	ON (Not Connected)	none
Scenes Data	All	All	Any	0 (blank)	01-255

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

EMBEDDED CONTROL LOCATION DEFAULTS

Control	Standard Locations		Alternate Location
DC Connect DDC	Bottom		Top (RFD Required)
Local Connect ALCB, ALCF, ALCF	Bottom		Top (RFD Required)
Cell Connect UBC	Top		None



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PERFORMANCE PACKAGES

WLT Watch Light Performance

WLT Perf Pkg	Distribution	Input Watts	3000K		4000K		BUG Rating			LDD @ 25°C		
			Lumens	LPW	Lumens	LPW	B	U	G	50k hours	75k hours	100k hours
A	R3	34	4,971	146	5,063	149	2	3	2	0.92	0.89	0.85
	R5		5,142	151	5,237	154	2	2	1			
	N3		4,636	136	4,721	139	2	0	1			
	N5		4,831	142	4,921	145	2	0	1			
	D3		4,853	143	4,943	145	2	3	2			
	D5		4,972	146	5,064	149	2	3	1			
B	R3	43	6,205	144	6,320	147	2	3	2	0.92	0.89	0.85
	R5		6,419	149	6,538	152	3	2	1			
	N3		5,787	135	5,894	137	2	0	1			
	N5		6,031	140	6,143	143	2	0	1			
	D3		6,059	141	6,171	144	2	3	2			
	D5		6,208	144	6,322	147	2	3	1			
C	R3	51	7,254	142	7,388	145	2	3	2	0.92	0.89	0.85
	R5		7,504	147	7,642	150	3	2	1			
	N3		6,765	133	6,890	135	2	0	1			
	N5		7,050	138	7,181	141	3	0	1			
	D3		7,082	139	7,213	141	2	3	2			
	D5		7,256	142	7,390	145	3	3	2			
D	R3	62	8,908	144	9,072	146	2	3	3	0.92	0.89	0.85
	R5		9,214	149	9,384	151	3	2	1			
	N3		8,307	134	8,460	136	2	0	2			
	N5		8,657	140	8,817	142	3	0	1			
	D3		8,697	140	8,857	143	2	3	2			
	D5		8,910	144	9,075	146	3	3	2			
E	R3	72	10,073	140	10,259	142	2	3	3	0.92	0.89	0.85
	R5		10,419	145	10,612	147	3	3	1			
	N3		9,393	130	9,567	133	2	0	2			
	N5		9,790	136	9,971	138	3	0	1			
	D3		9,834	137	10,016	139	2	3	3			
	D5		10,075	140	10,262	143	3	3	2			
F	R3	79	10,942	139	11,145	141	2	3	3	0.92	0.89	0.85
	R5		11,318	143	11,528	146	3	3	2			
	N3		10,204	129	10,393	132	2	0	2			
	N5		10,635	135	10,832	137	3	0	1			
	D3		10,683	135	10,881	138	2	3	3			
	D5		10,945	139	11,148	141	3	3	2			

Performance Package	Watts	Current (A)			
		120V	208V	240V	277V
A	30	0.25	0.14	0.13	0.11
B	40	0.33	0.19	0.17	0.14
C	50	0.42	0.24	0.21	0.18
D	60	0.50	0.29	0.25	0.22
E	70	0.58	0.34	0.29	0.25
F	80	0.67	0.38	0.33	0.29

AMBIENT TEMPERATURE FACTOR						
	A	B	C	D	E	F
0°C	1.04	1.04	1.04	1.03	1.03	1.03
15°C	1.01	1.02	1.02	1.01	1.01	1.01
25°C	1.00	1.00	1.00	1.00	1.00	1.00
35°C	0.98	0.98	0.98	0.99	0.99	0.99
40°C	0.98	0.97	0.97	0.98	0.98	0.98



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