ULW3-2G

Project Name:	
Type:	

APPLICATION

Wall or ceiling light. Acrylic diffuser with metal end caps. Ideal for use in public areas, corridors, locker rooms, laundry, bathrooms, stairwells and work areas.

FEATURES:

- White finish as standard. (other finish available)
- Acrylic ribbed white lens 1.8mm thickness (15 gauge).
- Screw-in ends.
- Rocker switch flat knockout comes as standard.
- Paint after fabrication.

MOUNTING:

- Wall or ceiling mounted.

LED:

- High quality long-life LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 82.8
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours

UMS
(Ultrasonic Occupancy Sensors)

ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic : 0-10V 10% dim. (GR)
- 0-10VDC dimming 1%~100%.
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).

- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- “Watchdog” feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL listed.
- Listed to UL 1598 and UL 8750.
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- ADA compliant (less than 4” off wall).
- ARRA compliant (optional).
- BAA compliant (optional).
- 7 or 10 years limited warranty. (optional) [1]
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	LED	Input Wattage	Lumen Output (4000K)	Lumen Efficiency
ULW3-2G	2FT	18LED	21.7W	2669 lm	123 lm/W
		27LED	30.7W	3776 lm	
		36LED	39.7W	4883 lm	
		54LED	57.7W	7097 lm	
	4FT	36LED	39.7W	4883 lm	
		54LED	57.7W	7097 lm	
		72LED	75.7W	9311 lm	

Multiplier		
3000K	3500K	5000K
0.9502	0.9837	1.0173

OUTPUT CURRENT

		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

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ORDERING INFORMATION

EXAMPLE: *ULW3-2G-2-27LED-40K-UNV*

MODEL	LENGTH		LED		COLOR TEMP.		EFFICACY		CRI	
ULW3-2G	**2**	2' Length	**18LED**	18W LED	**-27K**	2700K [3]	**(Blank)**	Standard	**(Blank)**	80+ CRI
			27LED	27W LED	**-30K**	3000K	**HE**	High Efficacy 10%	**C9**	90+ CRI [4]
			36LED	36W LED	**-35K**	3500K				
			54LED	54W LED	**-40K**	4000K (Std.)				
	4	4' Length	**36LED**	36W LED	**-50K**	5000K				
			54LED	54W LED						
			72LED	72W LED						
			* Contact factory for custom wattage or lumen requirement.							

DIFFUSER		VOLTAGE		FINISH		LED DRIVER	
(Blank)	Acrylic Ribbed White	**UNV**	120-277V (Std.)	**(Blank)**	Semi-Glossy White (Std.)	**GR**	Generic, 0-10V 10% dim (Std.) [7]
		120	120V	***BK**	Black (RAL#9011)	**DM1**	Generic 0-10V 1% dim
		277	277V	****CC**	Custom Color	**PH**	Philips Xitanium, 0-10V 1% dim [7]
				***AMB**	Anti-Microbial Coating (Matte Skye White)	**OS**	Osram Optotronic, 0-10V 10% dim [7]
				* Non-standard finish with extra charge. ** CC: additional charge & set up fee. Provide RAL# code.		**OS1**	Osram Optotronic, 0-10V 1% dim [7]
						SD40	40% / 100% Bi-Level Step dim (PH only)
						SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only)
						TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)
						TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)
						ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim
						EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)
						LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
						ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)
						PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim
						PHDL	Philips Xitanium DALI driver, Dim to 5%
						TDM	Triac Dim. (120V only)
						ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
						LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)
						BLT	Bluetooth Mesh System (contact factory for more information)

OPTIONS		LIGHTING CONTROL SYSTEM	
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [2]		<Lutron Vive System Enabled>
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [2]	**LUTRON VIVE**	VIVE by LUTRON **Click Here!**
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [2]		
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [2]		<EasySense>
ELCU-200	Fail-to-on Emergency lighting, UL924 [5]	**SNS200C**	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [6]
GO	Convenience Outlet (3 prong) installed	**RS-IR**	IR dongle for EasySense control
UMS	Low voltage On/Off with time-delay Ultrasonic Occupancy Sensor, Bi-level enabled with Step-dim driver		
UMS-UNV	Line voltage On/Off with time-delay Ultrasonic Occupancy Sensor, Bi-level enabled with Step-dim driver		<Bluetooth>
O7W	Optional 7 Years LimitedWarranty [1]	**PPA102S**	Bluetooth Powerpack (Consult factory for installation location)
O10W	Optional 10 Years Limited Warranty [1]		
SP20-RD4	Fail to On Relay		
ARRA	Assembled in USA for Buy American Act		
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant		
HC403	Hytronik Daylight Harvesting Occupancy Sensor, adjustable via DIP switch [9]		
HRC-05	Remote control for HC403 senso		
TR	Tamper proof screws		

NOTES:
1. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
2. Contact factory for other emergency ballast options.
3. Available with C9 only.
4. Lumen per watt is around 15% less than standard CRI (80+).
5. Shipped separately.
6. Please see Compatible Phone list in the separate attachment. If not listed, please order "RS-IR", and follow IR-Dongle user guide and NFC and IR app user's manual. Android users only.
7. To find an approved dimmer switch, please see table 1.
9. See Table2 to find factory setting.

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COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IP710-LFZ
		<Lutron>	Nova: NFTV-dimmer plus PP-DV relay pack(s) Nova T: NTSTV-DV-dimmer Diva: DVTV-dimmer, DVSCTV-dimmer, plus PP-DV, relay pack(s), DVSTV-dimmer, DVSCSTV-dimmer GRAFIK Eye QS: QSGRJ-XP, plus GRX-TVI 0-10V interface GRAFIK Eye QS w/EcoSystem: QSGRJ-XE, QSGR-XE, plus GRX-TVI 0-10V interface
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IllumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
LDE1	Lutron 5-Series EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO [1, 2] Energi Savr Node (120V only): QSN-1EC0-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_ _2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P

NOTES:
1. All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command.
   For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
2. For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.

HC403 FACTORY SETTING (TABLE 2)

Detection Area	100%
Hold-time	5 sec
Daylight sensor	Disable
Stand-by period (tri-level control)	10 sec
Stand-by dimming level	10%

* See a separate attachment to find more setting options.

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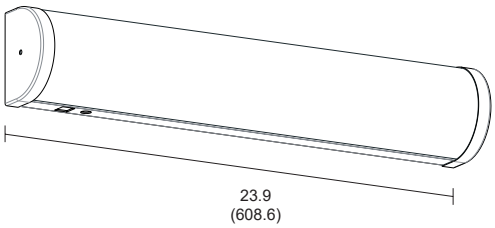
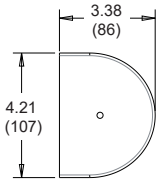
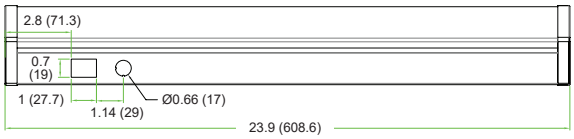
2FT





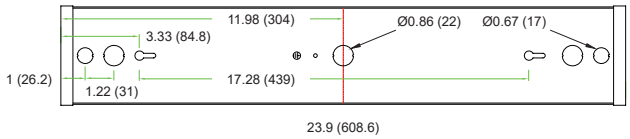
END PLATE

SIDE

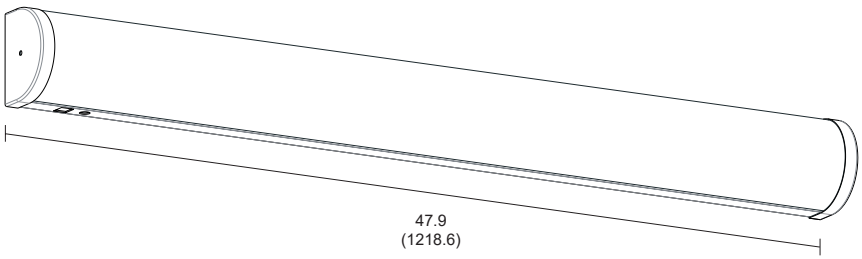


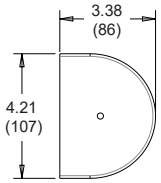
All dimensions are in inches (millimeters).

BACK SIDE



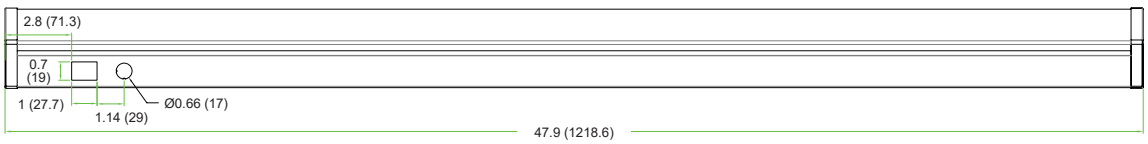
4FT



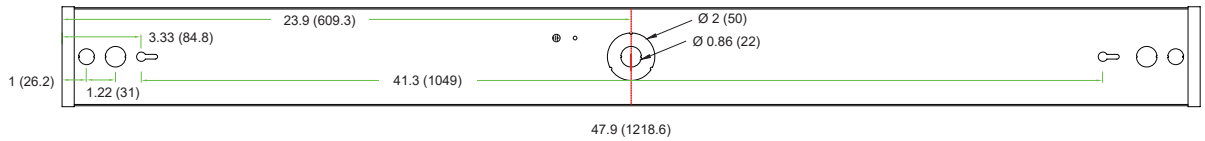


END PLATE

SIDE



BACK SIDE



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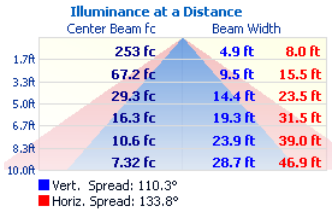
ULW3-2G-2-18LED



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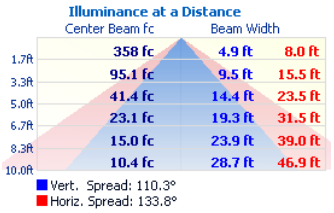

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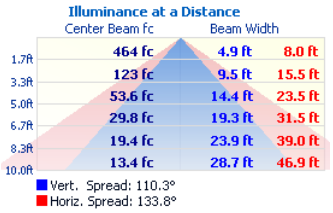

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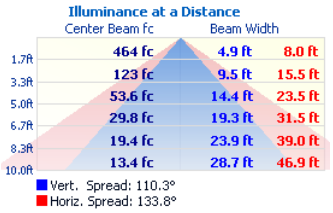

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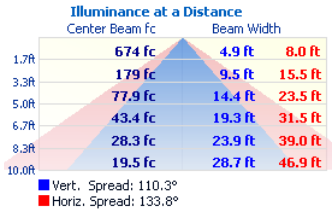

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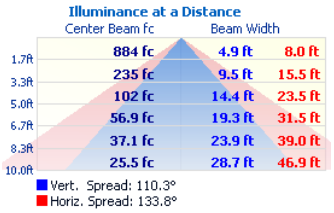

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