

W LED



APPLICATION

Specification grade surface ceiling-mount standard wraparound fixture delivers diffuse moderate light. It is the economical, energy-efficient, high performance and low-profile choice for small to medium size offices, retail spaces, classrooms and storage rooms.

FEATURES:

- 0.08" thk 100% acrylic, injection molded prismatic basket diffuser with flat bottom and vertical sides.
- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- End caps are same material as housing.
- Lens is capable of being hinged from either side for easy cleaning and service.
- Finish is high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.
- Paint after fabrication.
- 5% uplight.

MOUNTING:

- Surface mount.
- Stem mount (1/2" std, 3/8" optional) (pipe by others unless ordered).
- Steel end plates with 7/8" KO standard for continuous row mounting option.
- Compatible with most ceiling types.

LED:

- High quality array 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

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.
- Generic : 0-10V 10% dim. (GR)
- 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/CUL listed.
 - Listed to UL 1598 and UL 8750.
 - DLC listed. ²
 - Suitable for damp locations.
 - CEC Compliant EM (please contact for more information)
 - ARRA compliant (optional).
 - BAA compliant (optional).
 - BABA compliant (optional).
 - Trade Agreements Act compliant (optional).
 - 5 years limited warranty.
 - 7 or 10 years limited warranty. (optional)³
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	LED Watts	AC Input	Lumen Output	Driver Input
W	2FT	18LED	19.8W	2126.52 lm	277V
		25LED	27.5W	2953.5 lm	
		36LED	39.6W	4253.04 lm	
	4FT	18LED	19.8W	2126.52 lm	
		25LED	27.5W	2953.5 lm	
		36LED	39.6W	4253.04 lm	
		54LED	59.4W	6379.56 lm	
		72LED	79.2W	8506.08 lm	

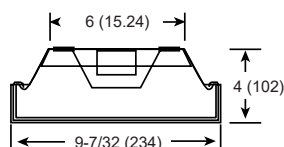
: Based on 3500K.

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%

MULTIPLIER CHART

	Multiplier		
CCT	3000K	4000K	5000K
2FT	0.958	1.0112	1.0214
4FT	0.988	1.0122	1.0245



Specifications: W-2

Weight: 7.56 lbs (3.43 kg)

Specifications: W-4

Weight: 11.97 lbs (5.43 kg)

MODEL	LENGTH		GENERATION		LED		COLOR TEMP.		EFFICACY		CRI	
W	2 4	2' Length 4' Length	2G	2ND Generation	18LED 25LED 36LED 54LED 72LED xx	18W LED 25W LED 36W LED 54W LED 72W LED Custom lumen or watt: ____LM or ____W.	-27K -30K -35K -40K -50K	2700K ⁵ 3000K 3500K 4000K (Std.) 5000K	(Blank) HE	Standard High Efficacy 	(Blank) C9	80+ CRI 90+ CRI ⁶

* 2FT: max up to 4253lm or 36W.
 * 4FT: max up to 8506lm or 72W.
 * with TDM/ELV: offered to closest lm or W.

DIFFUSER		VOLTAGE		LED DRIVER ⁴	
(Blank)	Acrylic Lens	UNV 120 277 347	120-277V (Std.) 120V 277V 347V	GR Generic, 0-10V 10% dim (Std.) DM1 Generic 0-10V 1% dim SD40 40% / 100% Bi-Level Step dim SDXX XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) TD30/70 30% / 70% / 100% Tri-Level Step dim TDXX/YY XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) 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% -GM NEMA SSL 1, UL 8750 Class 1 or 2, 2kV Surge Protection, NEMA C82.77.10, driver integral thermal protection, TITLE 47 CFR 15, Class A sound rated ⁸	
				 BLT	Bluetooth Mesh System (contact factory for more information)

MOUNTING		OPTIONS		LIGHTING CONTROL SYSTEM	
(Blank)	Ceiling Mount	EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) ¹	VIVE	<Lutron> Lutron Vive Bluetooth ready options, please contact factory.
ACxx	Adjustable Aircraft Cable w/ Canopy (* xx = Specify length (48 or 96))	EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) ¹	ATHENA	Lutron Athena Bluetooth ready options, please contact factory.
YCxx	Adjustable Aircraft Y-cable with Toggles (* xx = Specify length in inches (60, 120, 180))	EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) ¹		
SH-1/2-xx	1/2" IPS STEM w/ Canopy (* xx = 18, 24, 36, 48 inches)	EMG26	4050 LUMEN EM Battery Backup (CEC Compliant EM) ¹	SNS200C	<EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{9, 10}
SH-3/8-xx	3/8" IPS STEM w/ Canopy (* xx = 18, 24, 36, 48 inches)	ELCU-200	Fail-to-on Emergency lighting, UL924 ⁷	RS-IR	IR dongle v2.0 for EasySense control
		GTD	Bodine Generator Transfer Device	AUTANI	<Bluetooth> Autani / Keilton Bluetooth control ready options.
		GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)	CASAMBI	Casambi Bluetooth control ready options.
		ARRA	Assembled in USA	AVI-ON	Avi-On Bluetooth control ready options.
		BAA	BAA(Buy American Act) compliant		
		BABA	Build America Buy America compliant ¹²		
		TAA	Trade Agreements Act compliant		
		O7W	Optional 7 Years Limited Warranty ³		
		O10W	Optional 10 Years Limited Warranty ³		
		AMB	Anti-Microbial Coating (Matte Skye White)		
		HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch ¹¹		
		HRC-05	Remote control for HC403 sensor		

* Please contact factory for Bluetooth control with sensor and other options

NOTES:

1. Contact factory for other emergency ballast options. Must specify voltage, not available with 347V.
2. 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.
3. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup is excluded)
4. See Table1 to find approved dimmer switch.
5. Available with C9 only.
6. Lumen per watt is approximately 15% fewer than standard CRI (80+).
7. Shipped separately.
8. Contact the factory to check for a qualifying LED driver.
9. 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.
10. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
11. See Table2 to find factory setting.
12. Not all configurations may comply. Please confirm compliance with the factory.

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IlumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IlumaTech - 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-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
LDE1	Lutron 1-Series EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO ^{1,2} Energi Savr Node (120V only): QSN-1ECO-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
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, IlumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P

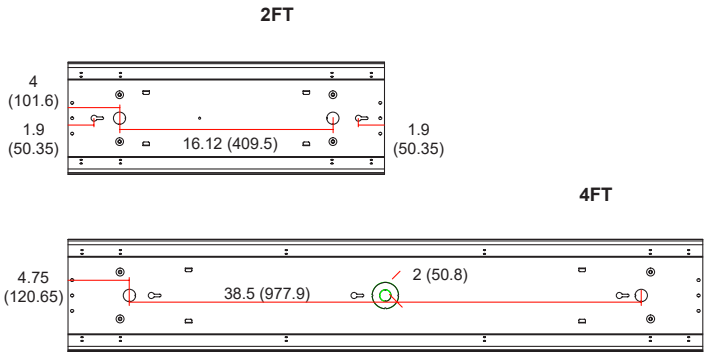
NOTES:

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.

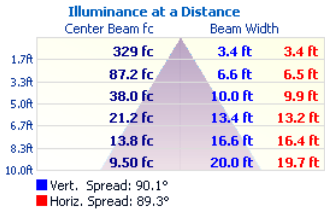
HC403 FACTORY SETTING (TABLE 2)

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

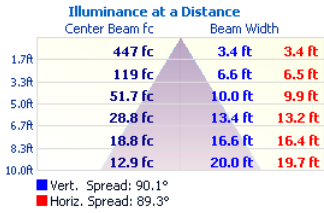
* See a separate attachment to find more setting options.



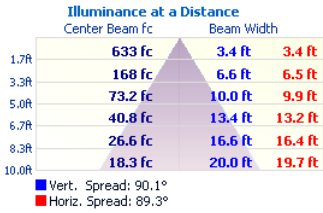
W-2-18LED



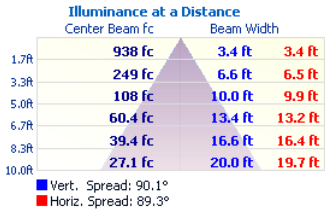
W-2-25LED



W-2-36LED



W-4-54LED



W-4-72LED

