

# LFP3

Project Name:	
Type:	



**APPLICATION**

Wall or ceiling mount with ultrasonic occupancy sensor mounted 45 degree. Ideal for use in public areas, corridors, stairwells, bathrooms, locker rooms and work areas.

**FEATURES:**

- White finish as standard.
- Smooth white acrylic lens as standard.
- Screw-in ends.
- 45 degree mounted ultrasonic occupancy sensor.

**MOUNTING:**

- Surface mount.
- Wall mount.

**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

**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)
- 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)
- ARRA compliant.
- 7 or 10 years limited warranty. (optional) <sup>1</sup>
- Bluetooth Mesh System available, please contact factory for more information.



UMS  
(Ultrasonic Occupancy Sensors)

**CONFIGURATIONS**

Series	Size	Model#	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
LFP3	2FT	18LED	21.7W	2580.13 lm	118.9 lm/W
		27LED	30.7W	3650.23 lm	
		36LED	39.7W	4720.33 lm	
	4FT	36LED	39.7W	4275.7 lm	107.7 lm/W
		54LED	57.7W	6214.3 lm	
		72LED	75.7W	8152.9 lm	

**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%

**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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ORDERING INFORMATION

EXAMPLE: LFP3-2-27LED-40K-UNV-GR-UMS

MODEL	LENGTH		LED		COLOR TEMP.		CRI		DIFFUSER		VOLTAGE	
LFP3	2	2' Length	18LED	18W LED	-27K	2700K <sup>3</sup>	(Blank) C9	80+ CRI 90+ CRI <sup>4</sup>	(Blank)	Smooth White Acrylic	UNV	120-277V (Std.)
			27LED	27W LED	-30K	3000K					120	120V
	4	4' Length	36LED	36W LED	-35K	3500K					277	277V
			54LED	54W LED	-40K	4000K (Std.)						
			72LED	72W LED	-50K	5000K						

\* Contact factory for custom wattage or lumen requirement.

FINISH		LED DRIVER				SENSOR	
(Blank)	White (Std.)	GR	Generic, 0-10V 10% dim (Std.) <sup>7</sup>			UMS	Low Voltage On/Off with time-delay Ultrasonic Occupancy Sensor, Bi-level enabled with Step-dim driver Line Voltage On/Off with time-delay Ultrasonic Occupancy Sensor, Bi-level enabled with Step-dim driver Microwave bi-level Occupancy Daylight Sensor, adjustable via DIP switch <sup>8</sup> Remote control for HC403 sensor
		PH	Philips Xitanium, 0-10V 1% dim <sup>7</sup>			UMS-UNV	
		OS	Osram Optotronic, 0-10V 10% dim <sup>7</sup>			HC403	
		OS1	Osram Optotronic, 0-10V 1% dim <sup>7</sup>			HRC-05	
		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 SOLDrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim				
		EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)				
		LDE5	5-Series EcoSystem LED driver, 100% ~ 5% dim				
		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)				

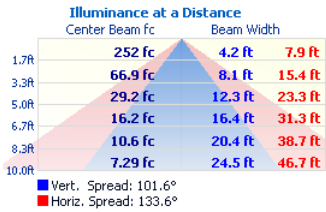
OPTIONS		LIGHTING CONTROL SYSTEM	
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>	PPA102S	<Bluetooth> Bluetooth Powerpack (Consult factory for installation location)
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>		
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>		
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) <sup>2</sup>		
ELCU-200	Fail-to-on Emergency lighting, UL924 <sup>5</sup>		
GO	Convenience Outlet (3 prong) installed		
O7W	Optional 7 Years Limited Warranty <sup>1</sup>		
O10W	Optional 10 Years Limited Warranty <sup>1</sup>		
SP20-RD4	Fail to On Relay		

NOTES:

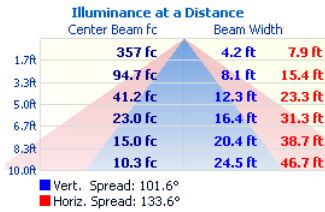
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Contact factory for other emergency ballast options.
- Available with C9 only.
- Lumen per watt is around 15% less than standard CRI (80+).
- Shipped separately.
- 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.
- To find an approved dimmer switch, please see table 1.
- See Table2 to find factory setting.

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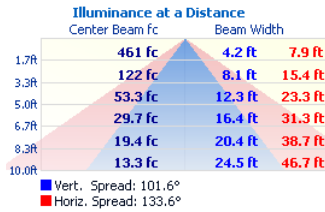
LFP3-2-18LED



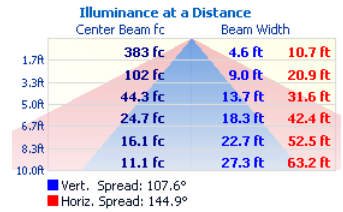
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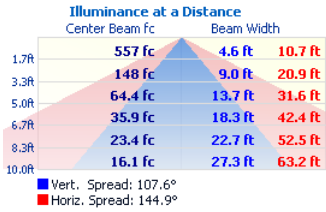
LFP3-2-36LED



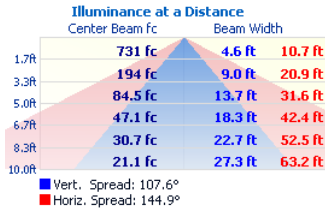
LFP3-4-36LED



LFP3-4-54LED



LFP3-4-72LED



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, DVSCSTV-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-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX		
LDE5	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO <sup>1,2</sup> Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGRJ-_E Quantum Hub (120V only): QP2-__2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
LDE1	Lutron 5-Series EcoSystem	<Lutron>	Visit <a href="http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf">http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf</a> for a list of compatible dimmer switches.
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit <a href="http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf">http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf</a> 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:

- 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](http://www.lutron.com).
- 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.

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