

WB LED

Project Name:	
Type:	



APPLICATION

Wall/Ceiling mounted luminaire, and optional with integral ultrasonic motion sensor provides luminaire applications. Ideal for use in wall, corridors, stairwells, closets, laundry, bathrooms, dormitories, hallways and general work areas.

FEATURES:

- High-gloss white on die formed 20 gauge cold rolled steel housing and one-piece metal ends. Come as white finish (Std.)
- Clear prismatic acrylic diffuser; optional smooth white acrylic diffuser.
- Optional One piece slide-on ends.
- Optional integral ultrasonic occupancy sensor to sense motion within a space and automatically turn lights on.
- Wall or ceiling mounted.

LED:

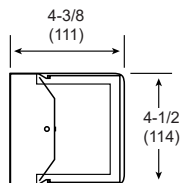
- Color Temperature: 2700/3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 140 LPW.
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours
- Poke in wire connectors.
- Color variation within 3-step MacAdam ellipse.

ELECTRICAL:

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Dimming Control: 0-10V 10%~100% (std.), 1%~100% (optional)
- Optional step dimming for bi-level application.
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature: -22°F (-30°C) ~ 122°F (50°C).
- Constant Current, Class 2
- <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 and labeled.
- Listed to UL 1598 and UL 8750.
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- Made in USA.
- BAA compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ³
- Bluetooth Mesh System available, please contact factory for more information.



Specifications: WB

Length: 24-1/4 (616)
 Height: 4-1/2 (114)
 Width: 4-3/8 (111)

All dimensions are in inches (millimeters).

CONFIGURATIONS

	Size	Model	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
WB	2FT	22L	22W	3080 lm	140 lm/W
		27L	27W	3780 lm	
	3FT	28L	28W	3920 lm	
		42L	42W	5880 lm	
	4FT	36L	36W	5040 lm	
		44L	44W	6160 lm	
		50L	50W	7000 lm	

: Based on 4000K.

Model	Model Length	Min Watts	Max Watts
WB	2FT	16.9W	28W
	3FT	24.7W	42W
	4FT	33.8W	56W

* Contact factory for custom wattage or lumen requirement.

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STEP DIMMING CONFIGURATION

Model	Step Dim Wattage	Driver Current
WB2	22.7W	500 mA
WB3	26W	800 mA
	34.8W	1050 mA
	42W	1250 mA
WB4	35.7W	800 mA
	48W	1050 mA

COMPATIBLE DIMMERS:

Leviton : IP710-DLX
 Lutron : DVTV-XX
 Encelium EMS : EN-LCM-1R10V-GB2-BK
 Encelium EMS : EN-LCM-1R10V-GB2-BK/DR
 Encelium EMS : EN-ALC-1R10V-GB2-BK
 Encelium EMS : EN-ALC-1R10V-GB2-BK-DR
 SYLVANIA : ELMC-SL3W-TVWBX/UNV
 Wattstopper : ADF-120277
 Synergy lighting Controls : ISD BC

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%



One-Piece Ends

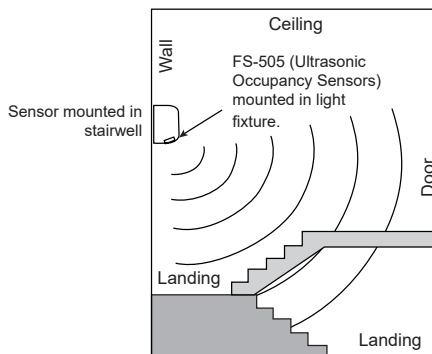


One-Piece Slide-On Ends & Ultrasonic Sensor

BI-LEVEL STAIRWELL

FS-505 Series sensors use high frequency (40 kHz) ultrasonic technology to sense motion within a space and automatically turn lights on even when the sensor has no direct line of sight to occupants.


FS-505 can provide bi-level lighting control in fixtures.



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ORDERING INFORMATION

EXAMPLE: WB-2-22L-40K-UNV-DM

MODEL	LENGTH		LED		COLOR TEMP.		EFFICACY		CRI		DIFFUSER	
WB ¹	2	2' Length	22L 27L	22W LED 27W LED	-27K -30K -35K -40K -50K	2700K ⁵ 3000K 3500K 4000K (Std.) 5000K	(Blank) HE	Standard High Efficacy 	(Blank) C9	80+ CRI 90+ CRI ⁶	(Blank) WA	Clear Prismatic Acrylic Smooth White Acrylic
	3	3' Length	28L 42L	28W LED 42W LED								
	4	4' Length	36L 44L 50L	36W LED 44W LED 50W LED								

* Contact factory for custom wattage or lumen requirement.

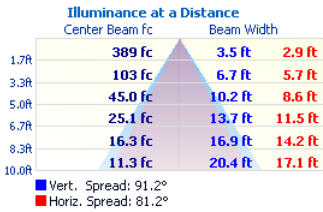
VOLTAGE		LED DRIVER		OPTIONS	
UNV 120	120-277V (Std.) 120V	DM 0-10V 10~100% dim (Std.) ² DM1 0-10V 1~100% dim ² SD40 40% / 100% Bi-Level Step dim SDXX XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) TD30/70 30% / 70% / 100% Tri-Level Step dim TDXX/YY XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) ES566 eldoLED SOLDrive 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 TDM Triac Dim. (120V only)	AB Two Driver for AB Switch EMG8 1296 LUMEN EM Battery Backup (CEC Compliant EM) ⁴ EMG15 2430 LUMEN EM Battery Backup (CEC Compliant EM) ⁴ EMG20 3240 LUMEN EM Battery Backup (CEC Compliant EM) ⁴ EMG25 4050 LUMEN EM Battery Backup (CEC Compliant EM) ⁴ ELCU-200 Fail-to-on Emergency lighting, UL924 ⁷ GTD Bodine Generator Transfer Device GTD10DIM Bodine Generator Transfer Device (0-10VDC Dimmer Override) 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 HFMS High Frequency Sensor w/ Hold-Off Daylight Control PS1 Pull-switch (all lamps) O/F ⁸ PS4 Pull-switch up/down lamps O/F ⁸ 4-Position (front, rear, all on and all off) SOE Slide-On Ends GO Convenience Outlet (3 prong) Installed O7W Optional 7 Years Limited Warranty ³ O10W Optional 10 Years Limited Warranty ³ AMB Anti-Microbial Coating (Matte Skye White) BAAL Bright Anodized Aluminum Body and End cap BAA BAA(Buy American Act) and BABA(Build America Buy America) compliant		
		BLT Bluetooth Mesh System (contact factory for more information)			

LIGHTING CONTROL SYSTEM	
LUTRON VIVE	<Lutron Vive System Enabled>  Click Here!
SNS200C RS-IR	<EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ⁹ IR dongle for EasySense control
PPA102S	<Bluetooth> Bluetooth Powerpack (Consult factory for installation location)

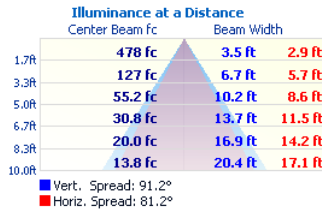
- NOTES:
- 2ft fixture not available (2) driver & EM option.
 - Dimming Ballast options, see page 391.
 - This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
 - Contact factory for other emergency ballast options.
 - Available with C9 only.
 - Lumen per watt is around 15% less than standard CRI (80+).
 - Shipped separately.
 - 120V Only.
 - 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.

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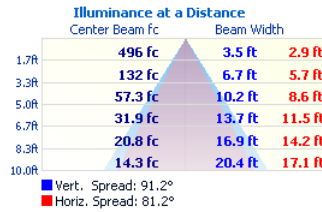
WB-2-22L



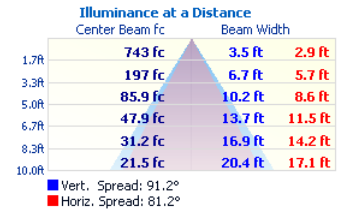
WB-2-27L



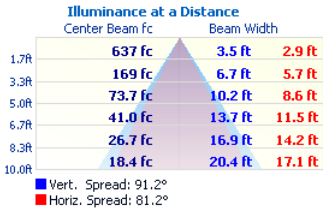
WB-3-28L



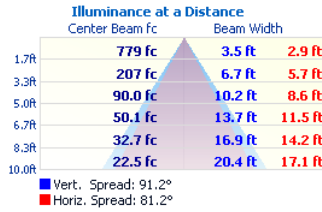
WB-3-42L



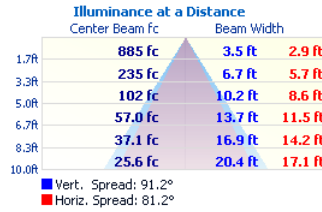
WB-4-36L



WB-4-44L



WB-4-50L



COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech 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>	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 - DDTV-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-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-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, 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.
- 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.