RSB LED

Project Name:	
Type:	

APPLICATION

This attractive recessed fixture with side baskets provide soft ambient in direct and indirect lighting. Direct and Indirect asymmetrically distributed lighting fixture reduce shadows and glare by combining aesthetically please lighting. It is an excellent choice for modern office environments, classrooms, hospitals and retail spaces.

FEATURES:

- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- White powder coated housing.
- Slope side softly reflect light back downwards.
- Smooth edges for easy handling.
- T-bar safety clips are standard.
- Reflectors were finished in textured matte white powder coated paint for uniform light distribution and over rust inhibiting phosphate coating.
- PAF (Painted After Fabrication) finish is standard for corrosion resistance and efficiency.

SHIELDING:

- Perforated white metal basket with white acrylic lens.

MOUNTING:

- Recessed mount in expose T-bar ceilings, Internal T-bar safety clips.
- Field installed flange kits are available.
- Suitable for direct insulation contact.

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: >54,000 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 Class 1 or Class 2 circuit.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Universal Lighting Everline : 0-10V Dim to 1%(ULT)
- 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.
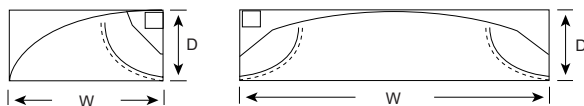
LISTING:

- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- IC Rated.
- ARRA compliant. (optional)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) [2]
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Catalog No. #	Input Watts	Lumen Output
RSB-12-18L/xx-UNV	18W	1066 lm
RSB-12-27L/xx-UNV	27W	1599 lm
RSB-14-36L/xx-UNV	36W	2133 lm
RSB-14-54L/xx-UNV	54W	3161 lm
RSB-22-36L/xx-UNV	36W	2133 lm
RSB-22-54L/xx-UNV	54W	3161 lm
RSB-24-36L/xx-UNV	36W	2133 lm
RSB-24-54L/xx-UNV	54W	3161 lm
RSB-24-72L/xx-UNV	72W	4214 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%

Specifications: 1'x2'
Length: 23-3/4 (603)
Width: 11-15/16 (303)
Depth: 5-1/2 (140)
Weight: 17.7 lbs (8.03 kg)

Specifications: 2'x2'
Length: 23-3/4 (603)
Width: 23-15/16 (608)
Depth: 5-1/2 (140)
Weight: 16.38 lbs (7.43 kg)

Specifications: 1'x4'
Length: 47-3/4 (1213)
Width: 11-15/16 (303)
Depth: 5-1/2 (140)
Weight: 17.7 lbs (8.03 kg)

Specifications: 2'x4'
Length: 47-3/4 (1213)
Width: 23-15/16 (608)
Depth: 5-1/2 (140)
Weight: 24.1 lbs (10.93 kg)

All dimensions are in inches (millimeters).

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ORDERING INFORMATION

EXAMPLE: *RSB-24-36L-40K-UNV*

MODEL	SIZE		LED		COLOR TEMP.		EFFICACY		CRI		TRIM TYPE		VOLTAGE	
RSB	12	1' x 2'	18L 27L	18W LED 27W LED	-27K -30K -35K -40K -50K	2700K [5] 3000K 3500K 4000K 5000K	(Blank) HE	Standard High Efficacy	(Blank) C9	80+ CRI 90+ CRI [6]	(Blank) FK	Grid Flange [1]	UNV 120 277 347	120-277V (Std.) 120V 277V 347V
	14	1' x 4'	36L 54L	36W LED 54W LED										
	22	2' x 2'	36L 54L	36W LED 54W LED										
	24	2' x 4'	36L 54L 72L	36W LED 54W LED 72W LED										
			* Contact factory for custom wattage or lumen requirement.											

LED DRIVER		OPTIONS	
GR	Generic, 0-10V 10% dim (Std.) [4]	EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [3,9]
PH	Philips Xitanium, 0-10V 1% dim [4]	EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [3,9]
ULT	Universal Everline 0-10V 1% dim [4]	EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [3,9]
OS	Osram Optotronic, 0-10V 10% dim [4]	ELCU-200	Fail-to-on Emergency lighting, UL924 [7]
OS1	Osram Optotronic, 0-10V 1% dim [4]	GTD	Bodine Generator Transfer Device
SD40	40% / 100% Bi-Level Step dim (PH only)	GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only)	PW6	Pre-wired 6' Whip Flex #18/3
TDM	Triac Dim. (120V only)	DPL	Dust/Bug Proof Clear Acrylic Lens
TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)	ARRA	Assembled in USA for Buy American act
TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)	O7W	Optional 7 Years Limited Warranty [2]
ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	O10W	Optional 10 Years Limited Warranty [2]
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	AMB	Anti-Microbial Coating (Matte Skye White)
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)		
PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.		
PHDL	Philips Xitanium DALI driver, Dim to 5%		
ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%		
DIMT	Tri-mode dimming (Triac, ELV, 0-10V)		
DMX	DMX512 control system (Only available with RGB+W option)		
DLM	Wattstopper's DLM interface (Only available with RGB+W option)		
LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)		
☒ BLT	Bluetooth Mesh System (contact factory for more information)		

LIGHTING CONTROL SYSTEM	
LUTRON VIVE	<Lutron Vive System Enabled> **vive** by ☒LUTRON **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) [8] IR dongle for EasySense control

NOTES:
1. Flange kits are supplied in separate boxes, field installed.
2. 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 does not included)
3. Contact factory for other emergency ballast options.
4. To find an approved dimmer switch, please see table 1.
5. Available with C9 only.
6. Lumen per watt is around 15% less than standard CRI (80+).
7. Shipped separately.
8. 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.
9. Must specify voltage, not available with 347V.

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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 - 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 Hi-lume 1% 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
ELV/ TDM	ERP	<Lutron>	S-603PG, DVCL-153P, DV-600P, TGCL-153P, S-600P, DVELV-303P, SELV-300P, TG-600P, LG-600P, CT-103P, MAELV-600, FAELV-500
		<Leviton>	IPI06-1LZ, 6631-2, VPE06,6683-IW, 6161, 6633-P, IPE04
		<Cooper>	DLC03P, SLC03P, DAL06P
		<Lightolier>	ZP260QEW
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.

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.