



RETROFIT SOLUTION LED

REBY350 SERIES

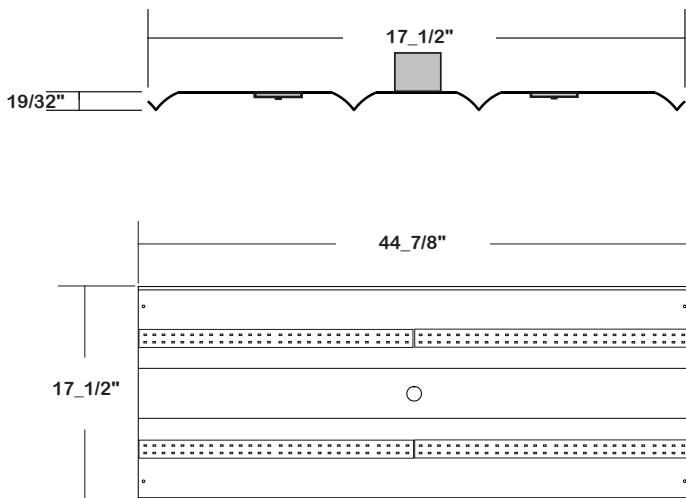
EBY300 / EBY350 HIGH BAY RETROFIT SOLUTION

DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

EASILY CONVERTS THE L.A. LIGHTING EXISTING EBY300 / EBY350 HIGH BAY FLUORESCENT FIXTURES TO LED LUMINAIRES

DIMENSIONS



**Dimensions must be checked against host fixture to ensure the retrofit solution will fit properly. L.A. Lighting has the capability to modify the retrofit solution to fit your fixture.*

FEATURES

- LED retrofit solution for the L.A. Lighting high bay EBY300 / EBY350 fluorescent luminaires
- 0-10V dimming driver standard (packaged separately) (See [DRIVER OPTIONS](#) for other dimming types)
- Includes easy-to-read installation instructions (View [INSTALLATION INSTRUCTIONS](#))
- Pre-punched holes to install the necessary hardware and wiring
- 2 safety cables pre-installed
- Supports California Title 24 compliance
- **High (HT)** ambient temperature version available for extreme temperature ranges (See [SYSTEM DATA](#) for ranges)

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available (See [SENSOR OPTIONS](#) for controls and sensors)
- Wireless control options available (See [SENSOR OPTIONS](#) for wireless controls)
- Emergency battery pack available (See [BATTERY PACK OPTIONS](#) for battery pack options)
- Tunable white available (2700K-6500K)
- Painted after fabrication available

SPECIFICATIONS

CONSTRUCTION

- 24 ga. cold rolled steel LED cover tray
- LED cover tray to be secured to the host fixture with provided screws

FINISH

- Baked white polyester finish / minimum reflectance 86%

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- LED light engine is pre-wired with a quick connector for easy connection
- Driver-disconnect is provided for disconnecting the electrical supply conductors to the LED driver
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

- UL USA and Canada classified

WARRANTY

- 5-year limited warranty



Los Angeles Lighting Mfg. Co.
 Headquarters
 10141 Olney Street
 El Monte, CA 91731
 Made in the USA

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MADE IN THE U.S.A.

Revised 02-04-19

WARNING

ORDERING INFORMATION EXAMPLE: REBY350-16-4L-DRDM-UNV-2/850HT

RETROFIT SERIES	LED LUMEN PACKAGE	NOMINAL LENGTH	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT	AMBIENT TEMP.
REBY350		4L				UNV	2		HT
REBY350 High Bay Fluorescent EBY300 / EBY350 Fixture to LED Luminaire Retrofit Solution (HT - High Ambient Temperature Version)	12 Nom. 12000 Lumens 16 Nom. 16000 Lumens 24 Nom. 24000 Lumens *Additional Lumen Packages Available	4L 2' x 4'	PAF Painted After Fabrication *Leave Blank if Not Specified	BPL10 Emergency Battery Pack, Constant 10W Nom. 1500 lm See BATTERY PACK OPTIONS for Options MSHxx Motion Sensor High Frequency WLC(LED RU) EnOcean Wireless Control See SENSOR OPTIONS for Options *Leave Blank if Not Specified Additional Electrical Options	DRDM 0-10V Dimming Driver 2DRDM 0-10V Two Dimming Drivers (for A/B Switching) DRSD Step Dimming Driver See DRIVER OPTIONS for Options	UNV 120V-277V See DRIVER OPTIONS for Options	2 Two LED Rows	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available	HT High Ambient Temperature

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	HIGH AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS*	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
12000 Lumens (Nominal)	REBY350-12-4L-DRDM-UNV-2/850HT	9649 lm	72.0 W	133.9 lm/W	-20°C / 35°C	6-F32T8	*
16000 Lumens (Nominal)	REBY350-16-4L-DRDM-UNV-2/850HT	12873 lm	99.4 W	129.5 lm/W	-20°C / 35°C	4-F54T5HO	*
24000 Lumens (Nominal)	REBY350-24-4L-DRDM-UNV-2/850HT	18981 lm	150.4 W	126.2 lm?W	-20°C / 35°C	6-F54T5HO	LA-T3399

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

* As tested in a host fixture with a clear prismatic acrylic lens

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

PERFORMANCE DATA

[VIEW PHOTOMETRICS](#)



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SENSOR OPTIONS

HIGH FREQUENCY - INTERNAL FIXTURE MOUNT

MSHPC - Motion Sensor High Frequency (Microwave) with Photocell Option

- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture is 100% on when it detects motion and will turn off after time delay
- Selectable sensitivity and detection area
- Fixture mounting height ~30'
- Universal Voltage (120V-277V)
- Photocell is disabled by default

MSH - Motion Sensor High Frequency (Microwave)

- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Turns light ON/OFF based on motion detection
- Fixture mounting height ~30'
- Universal Voltage (120V-277V)



CONTROLS AND SENSORS

WLC(LED RU) - EnOcean® LED Relay Zone Controller

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount

- Wireless single rocker switch with mounting plate
- No batteries needed

EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount

- Wireless double rocker switch with mounting plate
- No batteries needed

S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount

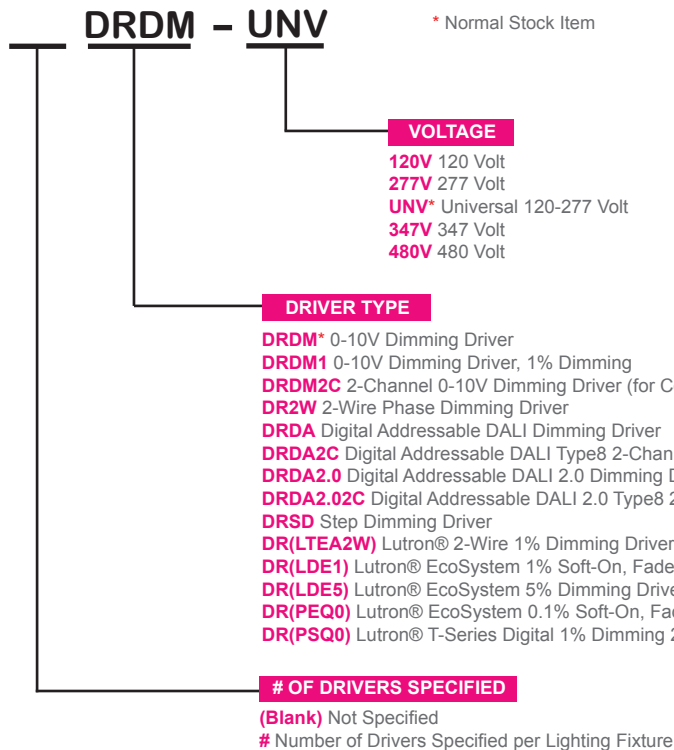
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

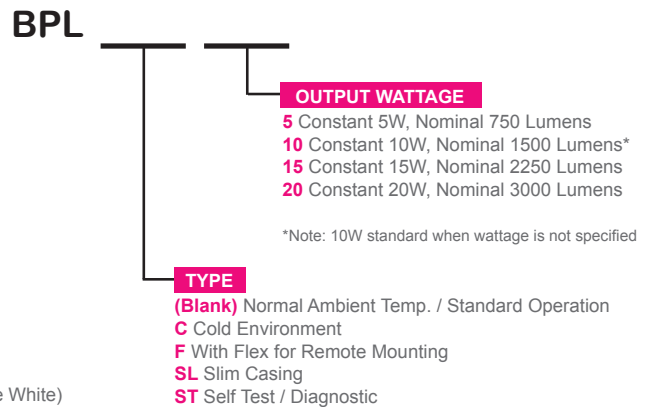
DRIVER OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.



BATTERY PACK OPTIONS

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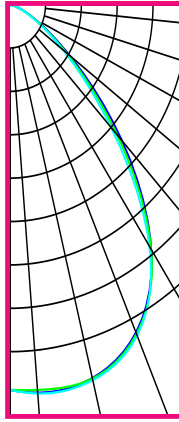
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PHOTOMETRIC DATA - REBY350 SERIES

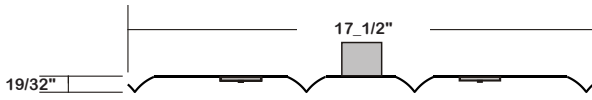
REBY350-24-4L-DRDM-UNV-2/850HT

TEST NO.=LA-T3399
 HOST FIXTURE=EBY350 with Clear Prismatic Acrylic Lens
 LED TYPE=48 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=150.4
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	9611	9611	9611
5	9720	9650	9740
15	9647	9661	9702
25	9025	9065	9112
35	7458	7460	7363
45	4799	4588	4337
55	2216	2079	1969
65	811	776	745
75	228	223	213
85	32	32	29
90	2	1	2
95	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	7862	33	41
0-40	12533	52	66
0-60	17949	75	95
0-90	18981	79	100
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	18981	79	100



Luminaire Output = 18981.2 lumens
 Luminaire Efficacy = 126.2 lm/W

SPACING CRITERION	
ALONG	ACROSS
1.25	1.25

