



RETROFIT SOLUTION

RHBI600 SERIES

® LED RETROFIT SOLUTION FOR FLUORESCENT HB1600 HIGH BAY

INTERACTIVE BUTTONS

ORDERING INFO SYSTEM DATA DRIVER OPTIONS SENSOR OPTIONS PHOTOMETRIC DATA

JOB

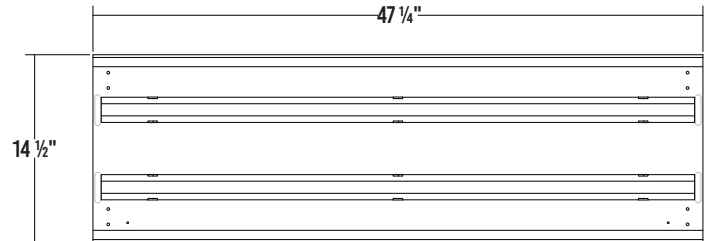
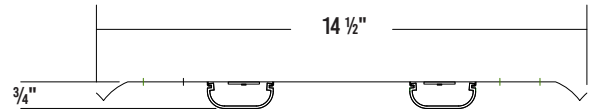
TYPE

DATE

LALIGHTING.COM 626-454-8300

SURFACE / SUSPENSION MOUNTED LED LUMINAIRE

DIMENSIONS



SPECIFICATIONS

CONSTRUCTION

- 22 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%

OPTICAL

- Frosted acrylic lens

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada classified

WARRANTY

- 5-year limited warranty
- 10-year limited warranty available

FEATURES

- 0-10V Dimming driver standard
- Includes easy-to-read installation instructions
- 2 safety cables pre-installed
- LED Light engine is pre-wired with a quick connector for easy connection
- Pre-punched holes to install the necessary hardware and wiring
- Supports California Title 24 compliance

OPTIONS

- Controls
- Painted after fabrication
- Emergency battery pack
- Customization available upon request



Los Angeles Lighting Mfg. Co.

Headquarters
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ORDERING INFORMATION

EXAMPLE: RHB1600-16-4L-BPL1.5-DRDM-UNV-2/850HT

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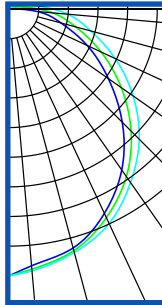
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	OPTICAL	MECHANICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT	AMBIENT TEMP
RHB1600 • LED Retrofit for Fluorescent HBI600 High Bay	12 - 12000lm 16 - 16000lm 24 - 24000lm *Contact factory for additional lumen packages	4L • 4ft	FRA • Frosted Acrylic	PAF • Painted After Fabrication *Leave blank if not specified	MS(xx) • Motion Sensor (Lens Option) WLC(xx) • Wireless Control *Leave blank if not specified *Contact factory for additional sensor options	BPL1.5 • Emergency Battery Pack • 1500 lm *Contact factory for additional electrical options *Leave blank if not specified	DRDM • 0-10V Dimming Driver DRSD • Step Dimming Driver DR2W • 2-Wire Phase Dimming Driver • Requires Specific Voltage Callout *Contact factory for additional driver options	UNV • 120V-277V 120V • 120 Volt 277V • 277 Volt 347V • 347 Volt 480V • 480 Volt *Contact factory for additional voltage options	2 • 2 LED Rows	830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K *Consult factory for available additional options for CRI & CCT	HT • High Ambient Temp.

PHOTOMETRIC DATA

TEST NO. = LA-T
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 4
 SYSTEM WATT (W) =
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C

SPACING CRITERION

ALONG	ACROSS
1.25	1.25



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
 Luminaire Efficiency = 78.88%

SYSTEM DATA

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

4' - LED LUMEN PACKAGE	HIGH AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	LUMINAIRE EFFICIENCY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
12000 Lumens (Nominal)	RHB1600-12-4L-FRA-DRDM-UNV-2/840HT	*	*	*	-	-20°C / 35°C (-4°F / 95°F)	6-F32T8 3-F54T5HO	*
16000 Lumens (Nominal)	RHB1600-12-4L-FRA-DRDM-UNV-2/840HT	15878	121.9	130.2 lm/W	-	-20°C / 35°C (-4°F / 95°F)	8-F32T8 4-F54T5HO	*
24000 Lumens (Nominal)	RHB1600-12-4L-FRA-DRDM-UNV-2/840HT	23250	178.5	130.3 lm/W	-	-20°C / 35°C (-4°F / 95°F)	6-F54T5HO 400W MH	*

NOTE:

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

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.



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CONTROL OPTIONS

**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, & to edit & store projects
- Configuration settings can be saved & 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 (50ft) and long range (100ft) options
- Mounting height: 6-8ft

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° viewing angle lens (34' diameter)
- Mounting height: 7-10ft

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

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DRIVER OPTIONS

BATTERY PACK OPTIONS

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

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

LED EMERGENCY BATTERY PACKS
(Operates for 90 minutes unless otherwise specified)

DRDM () () UNV

VOLTAGE

120V	Universal 120-277V (For DR2W Driver Type)
277V	120 Volt
UNV	277 Volt
347V	347 Volt
480V	480 Volt

SPECIFIC DRIVER

XXX	Manufacturer's Name/Part Number
Blank	Not Specified

WARRANTY

Blank	5-Year Limited Warranty - Standard
TY	10-Year Limited Warranty <i>Lighting fixtures with ten year limited warranty if specified</i>

DRIVER TYPE

DRDM	0-10V Dimming Driver <i>*Standard Stock Item</i>
DRDM1	0-10V Dimming Driver, 1% Dimming
DRDM2C	2-Channel 0-10V Dimming Driver (for Color Tunable White)
DR2W	2-Wire Phase Dimming Driver (TRIAC, Mark 10)
DRDA	Digital Addressable DALI Dimming Driver
DRDA2C	Digital Addressable DALI Type 8, 2-Channel Driver (for Color Tunable White)
DRSD	Step Dimming Driver
DR(LTEA2W)	Lutron® 2-Wire, 1% Dimming Driver (120V Forward Phase only)
DR(LDE1)	Lutron® EcoSystem 1% Soft-On, Fade-to-Black
DR(PEQ0E)	Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver
DR(PSQ020)	Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White)
DRCR(DXL)	Osram Dexas Driver
DRCR(SR)	Signify Sensor Ready Driver
DRCR(XXX)	Control Ready Driver (Specify Driver Manufacturer)

BPL 1.5 (2H)

NOTE

2H	2 Hours
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LUMEN PACKAGE

0.7	Nominal 750 Lumens
1.5	Nominal 1500 Lumens <i>*Standard Stock Item</i>
3.0	Nominal 3000 Lumens
4.0	Nominal 4000 Lumens <i>(Additional lumen packages available)</i>

TYPE

(Blank)	Normal Ambient Temp. / Standard Operation
C	Cold Environment (-20°C)
SL	Slim Casing
ST	Self Test / Diagnostic



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