



# RETROFIT KIT LED

## RHBS100

LED RETROFIT SOLUTION FOR 10" WIDE WRAPAROUND LUMINAIRES

JOB	
TYPE	
DATE	

### WRAPAROUND RETROFIT KIT

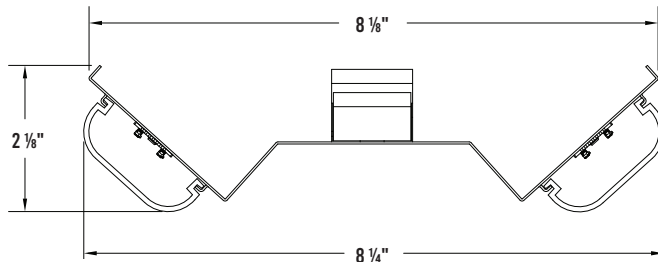


Retrofit kit with lenses  
(typical for use with HBS100 and other host fixtures without lenses)

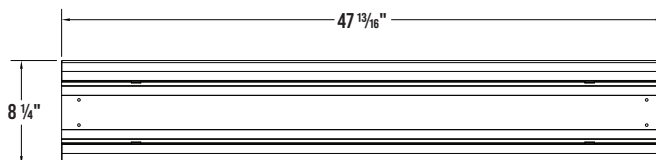


Retrofit kit without lenses  
(typical for use with HBW100 and other host fixtures with lenses)

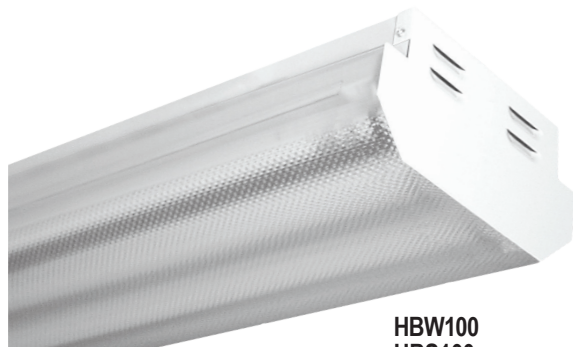
### CROSS SECTION



### 4' RETROFIT KIT

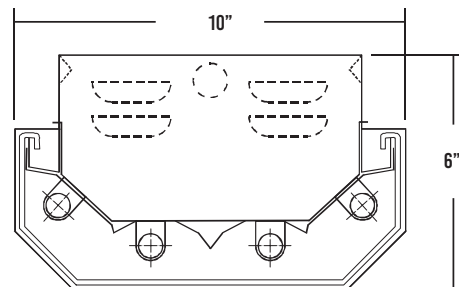


### TYPICAL HOST FIXTURE



HBW100  
HBS100 (without lens)

### TYPICAL HOST FIXTURE CROSS SECTION



### SPECIFICATIONS

#### Construction

- 22 gauge 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 tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

#### Listing

- UL USA and Canada listed

#### Warranty

- 5-Year limited warranty standard. 10-Year limited warranty also available

### APPLICATIONS

- Industrial, Low Bay, Medium Bay

### FEATURES

- Includes easy-to-read installation instructions
- Safety cables for easy installation
- 0-10V Dimming driver standard
- Supports California Title 24 compliance

### OPTIONS

- Frosted white acrylic lens (for use with host fixtures that do not have their own lens)
- Sensors and controls
- Emergency battery pack
- Tunable white (2700K-6500K)
- Additional lumen packages available
- Customization available upon request
- Painted after fabrication available



Los Angeles Lighting Mfg. Co.  
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**ORDERING INFORMATION:** Additional Options Available. Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

**EXAMPLE: RHBS100-4-4L-FRWA-DRDM-UNV-2/840**

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	OPTICAL	ELECTRICAL/ CONTROLS	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT	AMBIENT TEMP
<b>RHBS100</b>		<b>4L</b>			<b>DRDM</b>	<b>UNV</b>	<b>2</b>		
<b>RHBS100</b> • LED Retrofit Solution for 10" Wide Wraparound Luminaires	2 - 2000lm 4 - 4000lm 6 - 6000lm 8 - 8000lm  <b>High Efficacy</b> 2HE - 2000lm 4HE - 4000lm 6HE - 6000lm 8HE - 8000lm  <i>Contact customer service for additional lumen packages</i>	<b>4L</b> • 4'	<b>FRWA</b> • Frosted White Acrylic Lens  *Leave blank if not specified	<b>BPL1.5</b> • 1500 lm emergency battery pack  <b>WLC(LED RU)</b> • EnOcean® LED Relay Zone Controller  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver	<b>UNV</b> • 120V - 277V  <b>120V</b> • 120 Volt  <b>277V</b> • 277 Volt  <b>347V</b> • 347 Volt  <b>480V</b> • 480 Volt	<b>2</b> • Two LED Rows	<b>827</b> • 80+CRI / 2700K  <b>830</b> • 80+CRI / 3000K  <b>835</b> • 80+CRI / 3500K  <b>840</b> • 80+CRI / 4000K  <b>850</b> • 80+CRI / 5000K  <b>865</b> • 80+CRI / 6500K  <b>8TW</b> • 80+CRI Tunable White 2700K-6500K  90CRI Also available  <i>Contact customer service for additional CRI/CCT packages.</i>	<b>HT</b> • High Ambient Temp  <i>Note: HT cannot be combined with High Efficacy (HE) lumen packages. HT not available for 2000 lumen option.</i>  *Leave blank if not specified
Standard options for RHBS100 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> or contact customer service.									

## SENSORS AND CONTROLS

### WIRELESS CONTROLS

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

- Pre-installed inside luminaire
- Can support a single luminaire or multiple daisy-chained luminaires

For additional sensor and wireless controls options, visit [www.lalighting.com/resources](http://www.lalighting.com/resources)



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SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

4' Normal Ambient Temperature

4' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	RHBS100-2-4L-DRDM-UNV-2/840	2062	13.5	152.8 lmW	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
2000 Lumens (Nominal)	RHBS100-2-4L-FRWA-DRDM-UNV-2/840	1625	13.5	120.4 lmW	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	RHBS100-4-4L-DRDM-UNV-2/840	4120	25.8	159.9 lmW	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
4000 Lumens (Nominal)	RHBS100-4-4L-FRWA-DRDM-UNV-2/840	3246	25.8	126 lmW	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
6000 Lumens (Nominal)	RHBS100-6-4L-DRDM-UNV-2/840	6130	39.4	155.5 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
6000 Lumens (Nominal)	RHBS100-6-4L-FRWA-DRDM-UNV-2/840	4830	39.4	122.6 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	RHBS100-8-4L-DRDM-UNV-2/840	8091	53.3	151.8 lmW	-20°C / 35°C (-4°F / 95°F)	2-F54T5HO, 4-F32T8	*
8000 Lumens (Nominal)	RHBS100-8-4L-FRWA-DRDM-UNV-2/840	6375	53.3	119.6 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*

4' Normal Ambient Temp High Efficacy

4' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	RHBS100-2HE-4L-DRDM-UNV-2/840	2187	13.1	166.6 lmW	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
2000 Lumens (Nominal)	RHBS100-2HE-4L-FRWA-DRDM-UNV-2/840	1723	13.1	131.3 lmW	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	RHBS100-4HE-4L-DRDM-UNV-2/840	4009	22.5	178.4 lmW	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
4000 Lumens (Nominal)	RHBS100-4HE-4L-FRWA-DRDM-UNV-2/840	3158	22.5	140.6 lmW	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
6000 Lumens (Nominal)	RHBS100-6HE-4L-DRDM-UNV-2/840	6213	35.7	174.3 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
6000 Lumens (Nominal)	RHBS100-6HE-4L-FRWA-DRDM-UNV-2/840	4895	35.7	137.3 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	RHBS100-8HE-4L-DRDM-UNV-2/840	7920	46.4	170.9 lmW	-20°C / 35°C (-4°F / 95°F)	2-F54T5HO, 4-F32T8	*
8000 Lumens (Nominal)	RHBS100-8HE-4L-FRWA-DRDM-UNV-2/840	6240	46.4	134.6 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*

4' High Ambient Temperature

4' LED LUMEN PACKAGE	HIGH AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	RHBS100-4-4L-DRDM-UNV-2/840HT	4032	22.2	181.4 lmW	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
4000 Lumens (Nominal)	RHBS100-4-4L-FRWA-DRDM-UNV-2/840HT	3340	22.2	150.2 lmW	-20°C / 35°C (-4°F / 95°F)	1-F54T5HO, 2-F32T8	*
6000 Lumens (Nominal)	RHBS100-6-4L-DRDM-UNV-2/840HT	6208	35.1	177.1 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
6000 Lumens (Nominal)	RHBS100-6-4L-FRWA-DRDM-UNV-2/840HT	5142	35.1	146.7 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	RHBS100-8-4L-DRDM-UNV-2/840HT	7923	45.4	174.5 lmW	-20°C / 35°C (-4°F / 95°F)	2-F54T5HO, 4-F32T8	*
8000 Lumens (Nominal)	RHBS100-8-4L-FRWA-DRDM-UNV-2/840HT	6563	45.4	144.5 lmW	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*

NOTE:  
System data as of 02/29/24.  
Subject to change without notice.

System data is based on 120V input voltage in host fixture with clear prismatic acrylic (PA) lens. 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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