Project Name:	Part Number:	Type:

RZ
LOW PROFILE STRIP RETROFIT

ILP

FEATURES

- Durable steel construction
- Frosted acrylic lens available
- 4ft & 8ft lengths available
- Retrofits existing 4.3" wide strips(std.) - custom widths available
- Multiple dimming & sensor options to fully control occupied & unoccupied light levels
- 3000K, 3500K, 4000K, and 5000K CCT
- 120V-277V Universal Voltage
- 0-10V Dimmable Driver (100% - 10%)
- L90>54,000 hrs
- ETL Listed for Dry and Damp Location
- 5 Year Warranty (std); 10 Year Warranty Optional
- DesignLights Consortium® Qualified Luminaire (check DLC Website for listings)
- Parts Included in this kit: 4ft/8ft
  - LED Channel x 1 / x 1
  - LED Driver Plate x 1 / x 1- x2
  - Self-drilling Screws x 5 / x 5- x 7
  - QDC Driver x 1 / x 1
  - LED Driver x 1 / x 1- x2
  - Fixture ID Label x 1 / x 1
  - Driver Screws x 2 / x 2- x 4
  - QDC Power x 1 / x 1

*Check QPL for SKUs

SUITABLE APPLICATIONS

- Education
- Grocery Store
- Warehouse
- Distribution Center
- Manufacturing Plant
- Retail Applications

ORDERING GUIDE:

SERIES	WATTS	DRIVER	CCT	LENS OPTIONS		WARRANTY	
RZ4 Retrofit Strip 4ft	**20W**	**U** 120-277V	**50**	**BLANK**	No Lens	**BLANK**	5 Year
	32W		**40**	**FRAL**	Frosted Acrylic Lens	**10YR**[8]	10 Year
	40W		**35**				
	55W		**30**				
RZ8 Retrofit Strip 8ft	**40W**						
	64W						
	80W						
	110W						

OPTIONS		CONTROLS OPTIONS	
Factory Installed		**Basic**	
C0xx	Custom Width Option (contact factory)	**SR**	Sensor Ready Module
RACEWAY/3WIRE[2]	3 Wire Raceway Wiring Harness for Continuous Wiring Through Fixture	**DR**	DALI Ready Module
RACEWAY/5WIRE[2]	5 Wire Raceway Wiring Harness for Continuous Wiring Through Fixture	**BLD**	Bi-Level Dimming Module (2 hot leads)
EM7	7W LED Factory Installed Battery Backup	**ES**[3]	EasySense Sensor
EM10	10W LED Factory Installed Battery Backup	**USBD**	User Bi-Level Dim Sensor w/ Occ. Sensor
EM12	12W LED Factory Installed Battery Backup	**BDxx**	Preset Bi-Level Dim Sensor (xx=%eg.20,30)
SD480[1]	480V Step Down Transformer	**BDxxPC**	Preset Bi-level Dim Sensor w/ Photocell
SD347[1]	347V Step Down Transformer	**ES/WWS/DR**	EasySense Dual Rocker Wireless Wall Switch
		ES/PCD[4]	Pre-installed app on controlled device for commissioning
		VDO[7]	Lutron Vive DFCSJ-OEM-OCC (Daylight & Occupancy)
		VRF[7]	Lutron Vive DFCSJ-OEM-RF (RF Only)
Ship With Accessories		**Advanced**	
WC[1]	11 GA Wire Cage	**AWNR**[9]	Lutron Athena Wireless Node RF only

[1]Does not qualify for DLC
[2]Used only when mounting fixtures in continuous rows
[3]Must be used with ES/PCD for commissioning
[4]One needed per project
[7]Must be used with SR Sensor Ready Driver
[8]Contact Factory for more details
[9]Must be used with SR Sensor Ready Driver

RZ
LOW PROFILE STRIP RETROFIT

| LED SYSTEMS INFO[1]	3000K		3500K		4000K		5000K		Ambient Temp Range	Watts[2]	DLC Listing	Replaces
Part Numbers	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy				
RZ4-20W-U-XX	3,441 lm	155 lm/w	2,680 lm	147 lm/w	3,635 lm	163 lm/w	3,670 lm	165 lm/w	-4°F - 120°F	22W	Standard	1T8
RZ4-20W-U-XX-FRAL	2,976 lm	134 lm/w	3,801 lm	142 lm/w	3,138 lm	141 lm/w	3,168 lm	142 lm/w	-4°F - 120°F	22W	Standard	2T8
RZ4-32W-U-XX	5,185 lm	160 lm/w	4,293 lm	143 lm/w	5,241 lm	162 lm/w	5,297 lm	163 lm/w	-4°F - 103°F	33W	Standard	1T5HO
RZ4-32W-U-XX-FRAL	4,338 lm	134 lm/w	5,478 lm	136 lm/w	4,386 lm	135 lm/w	4,521 lm	137 lm/w	-40°F - 103°F	33W	Standard	3T8
RZ4-40W-U-XX	6,515 lm	160 lm/w	6,427 lm	131 lm/w	6,819 lm	168 lm/w	6,120 lm	152 lm/w	-40°F - 101°F	41W	Standard	2T5HO
RZ4-40W-U-XX-FRAL	5,643 lm	139 lm/w	5,431 lm	149 lm/w	5,858 lm	146 lm/w	7,124 lm	175 lm/w	-40°F - 101°F	40W	Standard	2T8
RZ4-55W-U-XX	8,255 lm	153 lm/w	7,500 lm	144 lm/w	8,626 lm	159 lm/w	8,708 lm	161 lm/w	-40°F - 100°F	54W	Standard	2T5HO
RZ4-55W-U-XX-FRAL	7,101 lm	131 lm/w	8,699 lm	145 lm/w	7,399 lm	137 lm/w	7,516 lm	152 lm/w	-40°F - 100°F	54W	Standard	4T8
RZ8-40W-U-XX	6,790 lm	155 lm/w	6,923 lm	158 lm/w	7,057 lm	161 lm/w	7,046 lm	161 lm/w	-4°F - 100°F	44W	Standard	4T8
RZ8-40W-U-XX-FRAL	5,970 lm	135 lm/w	6,007 lm	137 lm/w	6,125 lm	140 lm/w	6,113 lm	140 lm/w	-4°F - 100°F	44W	Standard	4T5HO
RZ8-64W-U-XX	10,011 lm	156 lm/w	10,266 lm	160 lm/w	10,521 lm	164 lm/w	10,505 lm	164 lm/w	-4°F - 100°F	64W	Standard	4T5HO
RZ8-64W-U-XX-FRAL	8,423 lm	132 lm/w	8,641 lm	135 lm/w	9,016 lm	138 lm/w	9,004 lm	138 lm/w	-4°F - 100°F	65W	Standard	4T5HO
RZ8-80W-U-XX	13,168 lm	162 lm/w	13,476 lm	165 lm/w	13,783 lm	169 lm/w	14,399 lm	177 lm/w	-4°F - 103°F	82W	Standard	4T5HO
RZ8-80W-U-XX-FRAL	11,410 lm	140 lm/w	11,677 lm	143 lm/w	11,944 lm	147 lm/w	12,477 lm	153 lm/w	-4°F - 103°F	82W	Standard	4T5HO
RZ8-110W-U-XX	16,381 lm	152 lm/w	16,754 lm	155 lm/w	17,128 lm	159 lm/w	17,103 lm	159 lm/w	-4°F - 107°F	108W	Standard	4T5HO
RZ8-110W-U-XX-FRAL	14,220 lm	132 lm/w	14,499 lm	135 lm/w	14,820 lm	138 lm/w	15,070 lm	137 lm/w	-4°F - 107°F	108W	Standard	4T5HO

[1]Values are nominal, see IES file for more detail
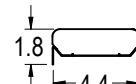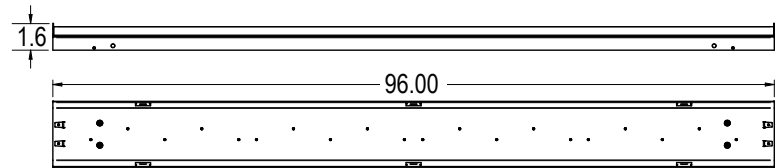[2]Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
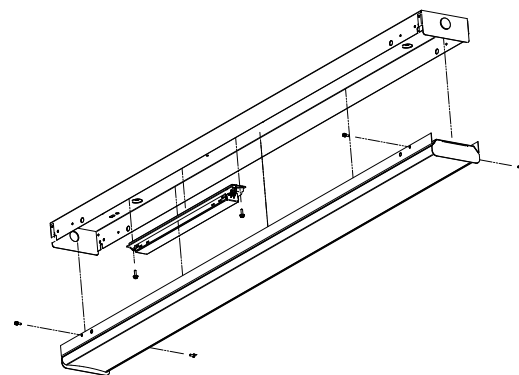
LINE DRAWING

RZ4:
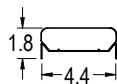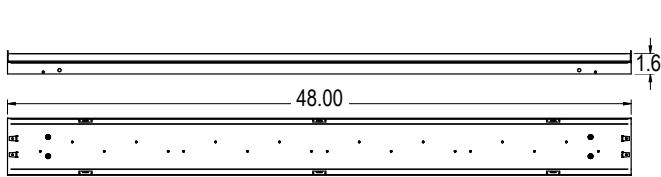
RZ8:
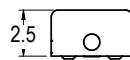
Depth when installed to existing strip fixture

MOUNTING OPTIONS

Driver Quick Disconnect

End View

RZ

LOW PROFILE STRIP RETROFIT

ADVANCED CONTROLS OPTIONS

EASYSENSE

ES

EasySense sensor combines occupancy sensing, daylight harvesting & institutional tuning in one compact solution. This is an ideal control for any commercial application. Each sensor allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time and occupancy time out/hold time. Requires the use of EasySense Pre-Programmed Control Device (ES/PCD), or approved phone from compatibility list; one needed per project.

← Occupancy Sensor (PIR)
← Light Sensor
← Infrared Receiver
← LED Indicator
← NFC Antenna

ES/PCD

Pre-Programmed EasySense Control Device. One needed per project. Sensor can also be programmed with the approved compatible cell phone (listed below).

Compatible Cell Phones:

- LG G4
- Samsung S4 Mini
- Samsung S4
- Samsung S5
- Samsung S6
- Samsung Note 4
- Samsung Note Edge 1

ES/WWS/DR

Optional Wireless / Batteryless Dual Rocker Wall Switch. Up to 100ft range. Functions include: On/Off, dimming and setting of (2) scences for full room control.

Specifications:
- Wireless
- Batteryless
- Dual Rocker
- ZigBee®
- 30–100ft Range

Functions:
1. On (Hold to brighten up)
2. Off (Hold to dim down)
3. Scene 1
4. Scene 2

LUTRON

VDO

Vive DFCSJ-OEM-OCC integral fixture control sensor with daylight & occupancy. Vive provides intuitive programming allowing for maximum flexibility with wireless communication & sensing as desired. Provided with factory installed components only. Lutron system provided by others. Sensor must be used in conjunction with Pico Switch/Dimmer. Cannot be used in conjunction with mechanical on/off power switch. Contact factory for more information.

VRF

Vive DFCSJ-OEM-RF integral fixture control with Radio Frequency (RF) communication. Vive provides intuitive programming allowing for maximum flexibility with wireless communication as desired. Providing with factory installed components only. Lutron system provided by others. Sensor must be used in conjunction with Pico Switch/Dimmer. Cannot be used in conjunction with mechanical on/off power switch. Contact factory for more information.

AWNR

Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system. Enables individual wireless control of each fixture in an Athena control system. Accommodates zone and control changes without rewiring. All drivers on the link are controlled as a single zone. Provided with factory installed components only. Lutron Athena system provided by others.

ENLIGHTED

5E/CU/IL

Bundled System with Enlighted 5E sensor (SU-5E-IL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy & ambient light. Includes ability to group fixtures together and connect to a switch to zone fixtures for group operation. Provided with factory installed components only. Enlighted system provided by others. Contact factory for more information.

5E/CU/CL

Bundled System with Enlighted 5E sensor (SU-5E-CL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Provided with factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/CU/IOT

Bundled System with Enlighted 5E sensor (SU-5E-IOT), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. Energy Manager provides data analysis for all data collected by Enlighted Smart Sensors for energy, occupancy & environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Provided with factory installed components only. Enlighted system provided by others.Contact factory for more information. (see image above)

5E/5W/IL

Bundled System with Enlighted 5E sensor (SU-5E-IL) & Cable (CBL-5E-CU4-30N) paired with a driver with auxiliary power and 5 wire connection. Fixtures are controlled based on occupancy and ambient light. Includes ability to group fixtures together and connect to a switch to zone fixtures for group operation. Provided with factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/5W/CL

Bundled System with Enlighted 5E sensor (SU-5E-CL) & Cable (CBL-5E-CU4-30N) paired with a driver with auxiliary power & 5 wire connection. Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Provided with factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/5W/IOT

Bundled System with Enlighted 5E sensor (SU-5E-IOT) & Cable (CBL-5E-CU4-30N) paired w/ a driver w/ auxiliary power and 5 wire connection. Fixtures are controlled based on occupancy & ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by Enlighted Smart Sensors for energy, occupancy & environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Provided with factory installed components only. Enlighted system provided by others.Contact factory for more information. (see image above)

RZ
LOW PROFILE STRIP RETROFIT

PHOTOMETRIC REPORTS

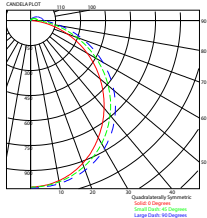Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

RZ4-20WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.4%
EFFICIENCY (Uplight):	4.6%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3096.3
INPUT WATTS:	22.2415

PLANE AND CONE DIAGRAM

RZ4-32WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.8%
EFFICIENCY (Uplight):	4.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4268.636
INPUT WATTS:	32.4712

PLANE AND CONE DIAGRAM
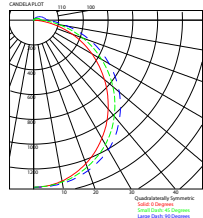
RZ4-40WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.9 %
EFFICIENCY (Uplight):	4.1 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	5879.027
INPUT WATTS:	40.62

PLANE AND CONE DIAGRAM
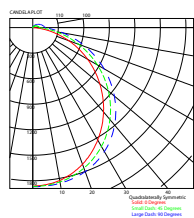
RZ4-55WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	94.9 %
EFFICIENCY (Uplight):	5.1 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	7314.931
INPUT WATTS:	53.9995

PLANE AND CONE DIAGRAM
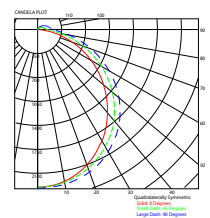
RZ8-40WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.3%
EFFICIENCY (Uplight):	4.7%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	6215.038
INPUT WATTS:	43.7

PLANE AND CONE DIAGRAM
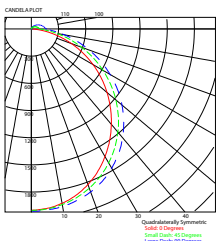
RZ8-64WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.6%
EFFICIENCY (Uplight):	4.4%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	8583.105
INPUT WATTS:	64.03

PLANE AND CONE DIAGRAM
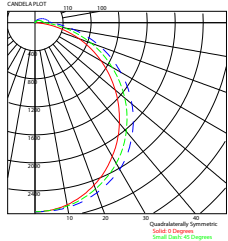
RZ8-80WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.9 %
EFFICIENCY (Uplight):	4.1 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	11763.04
INPUT WATTS:	81.5

PLANE AND CONE DIAGRAM
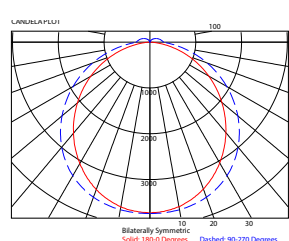
RZ8-110WLED-U-40-FRAL
SUMMARY DATA
HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	94.7 %
EFFICIENCY (Uplight):	5.3 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	14694.39
INPUT WATTS:	107.8

PLANE AND CONE DIAGRAM