

LRA4P & LRA5P

LED Retrofit Kit Assembly

MECHANICAL

- Retrofits 4ft or 8ft fluorescent strip fixtures to LED
- Fast and easy to install
- No redesign or revised layout needed
- Universal mounting compatible with most strip manufacturers
- Panel is 23 gauge painted steel

OPTICAL

- Diffuser provides broad, even light distribution
- Three CCT options with CRI of 82
- Binning maintains color accuracy and consistency

ELECTRICAL

- Available as 120-277VAC
- Equipped with 0-10V dimmable LED driver to 1%
- LED system efficacies exceeding 115 LPW

ASSEMBLY INCLUDES

- (1) or (2) Universal Douglas® LED lensed modules pre-mounted
- (1) LED Universal Douglas driver (0-10V dimming) pre-mounted
- (1) or (2) 4' strip fixture panels
- Wiring, mounting hardware, installation instructions

CERTIFICATIONS

- UL Classified UL1598C (US & Canada)
- Suitable for Dry or Damp locations
- FCC Title 47 CFR, Part 15, Class A
- RoHS Compliant, contains no lead or mercury
- Select models are DesignLights Consortium® qualified. Consult <http://www.designlights.org/QPL> for details.

CONTROLS

- 0-10V LED driver standard, dimming to 1%
- Integrated occupancy and daylight sensor option

ORDERING GUIDE

EXAMPLE: LRA4P28-HL840-U-85LC

	Ordering Code ID	Catalog Number	Nominal Lumens	Input Power (W)	LPW	CRI	CCT	Input Voltage	Driver Set Current (mA)
4-Foot Strip Fixture	4.5" Wide	LRA4P14-HL8xx-U-70LC	7000	53	132	82	3500K, 4000K, 5000K	120-277V	900
		LRA4P14-HL8xx-U-60LC	6000	44	136				750
		LRA4P14-ML8xx-U-42LC	4200	34	124				1050
	5.5" Wide	LRA4P14-ML8xx-U-30LC	3000	24	125	82	3500K, 4000K, 5000K	120-277V	750
		LRA5P14-HL8xx-U-70LC	7000	53	132				900
		LRA5P14-HL8xx-U-60LC	6000	44	136				750

8-Foot Strip Fixture	4.5" Wide	LRA4P28-HL8xx-U-12KC	11500	85	135	82	3500K, 4000K, 5000K	120-277V	1500	
		LRA4P28-HL8xx-U-10KC	10000	71	141				1240	
		LRA4P28-HL8xx-U-85LC	8500	60	142				1065	
		LRA4P28-HL8xx-U-70LC	7000	48	146				855	
		LRA4P28-ML8xx-U-65LC	6400	48	133				1500	
		LRA4P28-ML8xx-U-50LC	5100	38	134				1250	
	5.5" Wide	LRA4P28-LL8xx-U-40LC	LRA4P28-LL8xx-U	4100	28	145	82	3500K, 4000K, 5000K	120-277V	950
		LRA5P28-HL8xx-U-12KC	LRA5P28-HL8xx-U	11500	85	135	82	3500K, 4000K, 5000K	120-277V	1500
		LRA5P28-HL8xx-U-10KC		10000	71	141				1240
		LRA5P28-HL8xx-U-85LC		8500	60	142				1065
		LRA5P28-HL8xx-U-70LC		7000	48	146				855
		LRA5P28-ML8xx-U-50LC	LRA5P28-ML8xx-U	5100	38	134	82	3500K, 4000K, 5000K	120-277V	1250
LRA5P28-LL8xx-U-40LC	LRA5P28-LL8xx-U	4100	28.2	135	82	3500K, 4000K, 5000K	120-277V	950		

ORDERING NOTES

- xx = 35, 40, 50 for 3500K, 4000K, 5000K
- Consult factory for photometry.
- Application and performance information is subject to change without notification.
- Lumen and LPW Tolerance of +/- 10%.

DESIGNLIGHTS CONSORTIUM® QPL LISTED PRODUCTS

Model Number
LRA4P14-ML8xx-U



Model Number
LRA4P14-HL8xx-U
LRA5P14-HL8xx-U
LRA4P28-HL8xx-U
LRA4P28-ML8xx-U

Model Number
LRA4P28-LL8xx-U
LRA5P28-HL8xx-U
LRA5P28-ML8xx-U
LRA5P28-LL8xx-U



OPERATING DATA

L85 Lumen Maintenance:	>60,000 hrs. at 40°C
Min. Starting Temp.:	-30°C (-22°F)
Sound Rating:	Class A
EMI/RFI	FCC Title 47 CFR, Part 15, Class A
Power Factor:	>0.98 at max driver current
THD:	<20%
Input Power Frequency:	50/60 Hz

COMPONENTS			
Catalog Number	LED Light Bar	Driver	Driver Programmable Output Range
LRA4P14-ML8xx-U	LRL14-50L8xx-1200CCL	D10CC30UNVPW-C	1050mA to 750mA
LRA4P28-ML8xx-U	LRL14-50L8xx-1200CCL	D15CC55UNVPW-C	1500mA to 1250mA
LRA4P14-HL8xx-U	LRL14-70L8xx-900CCL	D15CC55UNVPW-C	900mA to 625mA
LRA4P28-HL8xx-U	LRL14-70L8xx-900CCL	D21CC80UNVPW-C	1500mA to 500mA

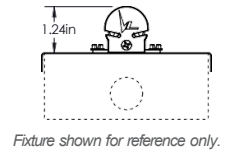
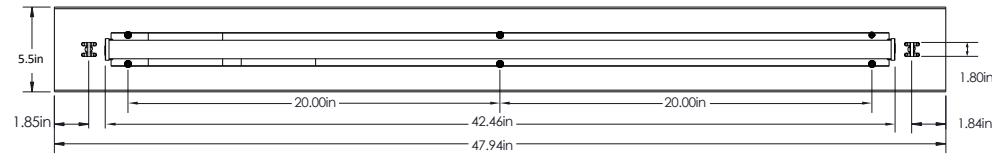
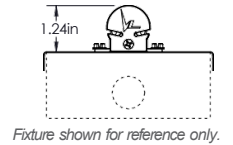
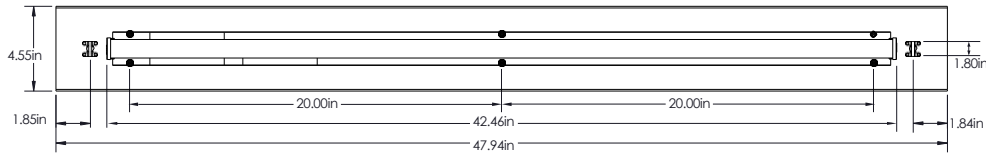
The LRA4P and LRA5P Retrofit kits are field programmable
 Driver current must not exceed the maximum value shown in the table.
 For DLC, Driver programming must be within the identified "Driver Programmable Output Range" that is shown in the components table.

Applications

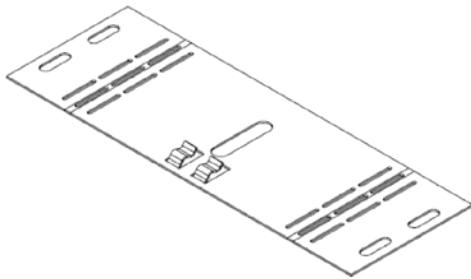
- All LED Lensed Modules must be connected for proper operation.
- Not for use with phase cut dimmers.
- Suitable for 4' or 8' strip light: non-lensed, minimum wiring compartment dimensions 2.5" depth and 2" width.

DIMENSIONS

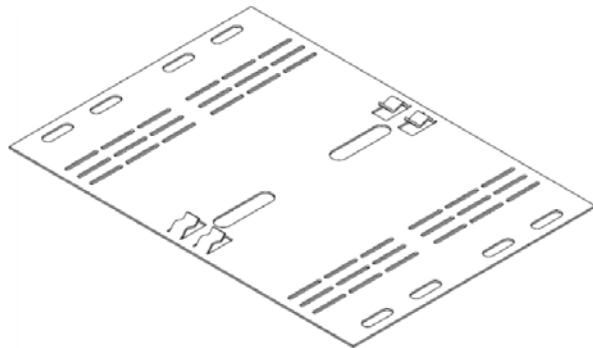
LRA PANEL ASSEMBLY (1 OR 2 PER KIT)



Adjustable brackets (if needed)



End brackets (2 per kit)



Center brackets (1 per kit 8' kit)

Installation Notes:

Installers can choose to use the existing socket bars if they line up with the LRA4P panel.
 Adjustable brackets can be used in lieu of the existing socket bars. These wrap around the ends of the strip housing and are attached with screws. The LRA panel mounts to these brackets with a ¼ turn thumb screw.