



# RTR LED TROFFER RETROFIT KIT

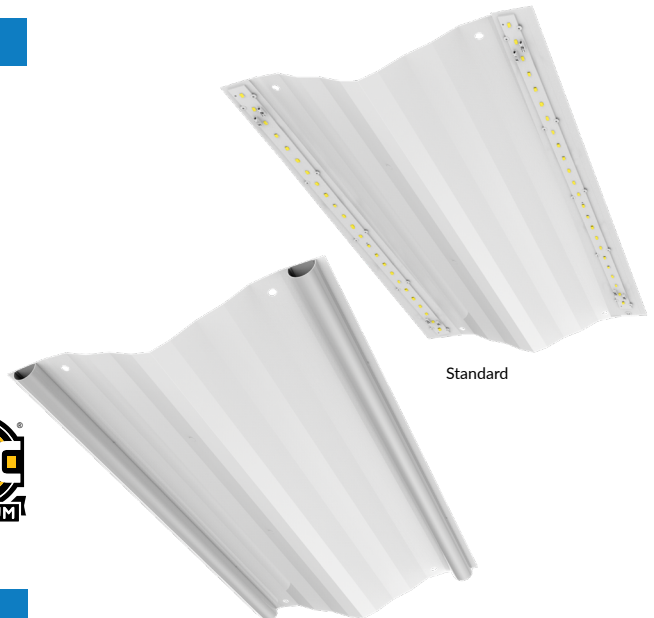
## COMMERCIAL



407-478-3759  
www.ilp-inc.com

### FEATURES

- One-piece construction, 2 minute install
- Designed for Prismatic & Parabolic Troffers
- Fits between existing socket bars
- 2' x 2' & 2' x 4' Available
- 2,000 - 4,800 Lumen Packages
- High Efficacy - Up to 167 lm/W
- 3500K & 4000K CCT
- 0-10V 120-277V Dimmable Driver
- Frosted lens option to remove shadowing and pixilation
- 5 Year Warranty
- ETL Damp Location Listed
- DesignLights Consortium® Premium Qualified Luminaire



Standard

Shown with Frosted Acrylic Lens



### SUITABLE APPLICATIONS

- |             |                  |
|-------------|------------------|
| • Offices   | • Healthcare     |
| • Education | • Fitness Center |

LED INFO WITHOUT LENS		20	25	40		30	40	45
Calculated L <sub>70</sub> (TM-21)	2X2	>100K	>100K	>100K	2X4	>100K	>100K	>100K
Delivered Lumens		2,428 lm	2,739 lm	4,392 lm		3,420 lm	4,066 lm	4,844 lm
Total Input Watts		16 W	19 W	32 W		20 W	26 W	32 W
Luminaire Efficacy Rating (LER)		150 lm/W	148 lm/W	136 lm/W		167 lm/W	160 lm/W	151 lm/W
Correlated Color Temperature (CCT)		4000K	4000K	4000K		4000K	4000K	4000K
Color Rendering Index (CRI)		>80	>80	>80		>80	>80	>80
Ambient Temperature Range		-4°F - 122°F	-4°F - 122°F	-4°F - 122°F		-4°F - 122°F	-4°F - 122°F	-4°F - 122°F
Universal Driver		120-277 V	120-277 V	120-277 V		120-277 V	120-277 V	120-277 V
Replaces Existing		2T8	2T8	3T8		2T8	2T8	3T8

LED System data above based on RTR22040-03, RTR22540-03, RTR24040-03, RTR43040-03, RTR44040-03, & RTR44540-03  
LED Lumen maintenance estimates on TM-21 projections for the light source at 25°C ambient.

### ORDERING GUIDE:

Series	Lumens	Color	Options		Gen
<b>RTR2</b> - 2x2	20 - 2000 Lumens	<b>40</b>	<b>L</b>	Frosted Acrylic Lens	<input checked="" type="checkbox"/> 03
	25 - 2500 Lumens	<b>35</b>	<b>BLD</b>	Bi-Level Dimming Driver (2 hot leads)	
	40 - 4000 Lumens		<b>SR</b>	Sensor Ready Driver	
<b>RTR4</b> - 2x4	30 - 3000 Lumens		<b>VRF**</b>	Lutron Vive DFCSJ-OEM-RF (RF only)	
	40 - 4000 Lumens		<b>MWS</b>	Bi-Level Dimming Microwave Sensor	
	45 - 4500 Lumens		<b>E</b>	7W LED Battery Backup	
			<b>SD347*</b>	347V Step Down Transformer	

\* Not DLC Listed  
\*\* Must be used with SR Sensor Ready Driver

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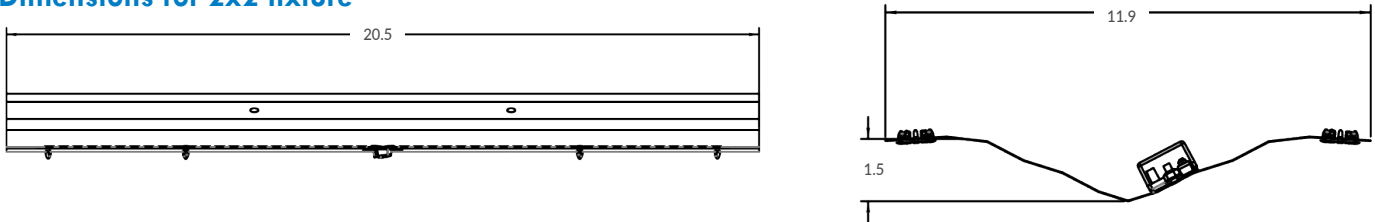
## COMMERCIAL

LED INFO WITH LENS	20	25	40	30	40	45
Calculated L <sub>70</sub> (TM-21)	>100K	>100K	>100K	>100K	>100K	>100K
Delivered Lumens	2,045 lm	2,307 lm	3,761 lm	2,881 lm	3,426 lm	4,206 lm
Total Input Watts	16 W	19 W	32 W	20 W	26 W	32 W
Luminaire Efficacy Rating (LER)	126 lm/W	124 lm/W	116 lm/W	140 lm/W	134 lm/W	131 lm/W
Correlated Color Temperature (CCT)	4000K	4000K	4000K	4000K	4000K	4000K
Color Rendering Index (CRI)	>80	>80	>80	>80	>80	>80
Ambient Temperature Range	-4°F - 122°F	-4°F - 122°F	-4°F - 122°F	-4°F - 122°F	-4°F - 122°F	-4°F - 122°F
Universal Driver	120-277 V	120-277 V	120-277 V	120-277 V	120-277 V	120-277 V
Replaces Existing	2T8	2T8	3T8	2T8	2T8	3T8

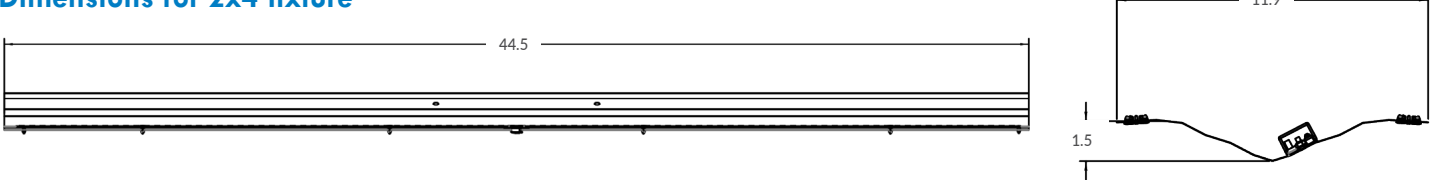
LED System data above based on RTR22040-L-03, RTR22540-L-03, RTR24040-L-03, RTR43040-L-03, RTR44040-L-03, & RTR44540-L-03  
LED Lumen maintenance estimates on TM-21 projections for the light source at 25°C ambient.

## LINE DRAWINGS

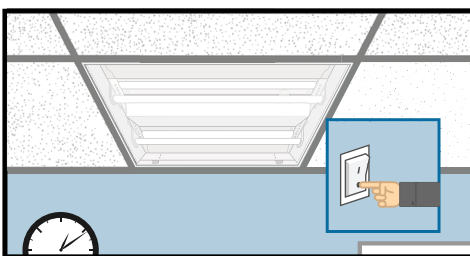
### Dimensions for 2x2 fixture



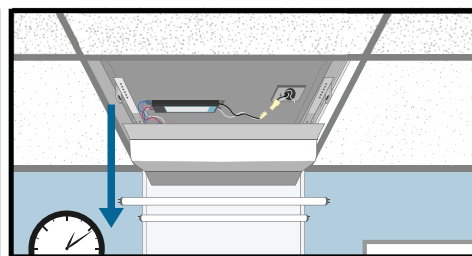
### Dimensions for 2x4 fixture



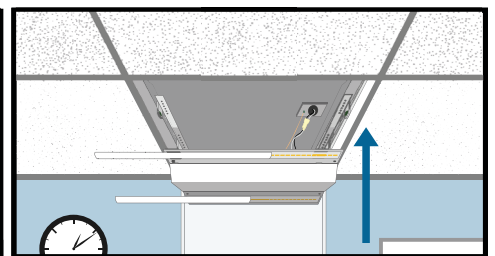
## INSTALLATION INSTRUCTIONS



**Step 1:**  
Shut off or disconnect power to the fixture.

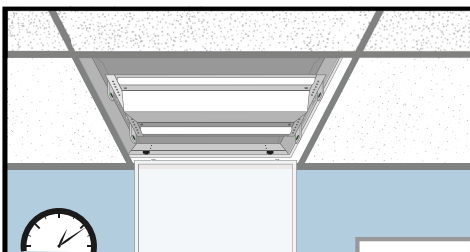


**Step 2:**  
Open existing fixture doorframe and remove existing fluorescent lamps & reflector, then disconnect existing connections to the fluorescent ballast. Existing socket bars do not need to be removed.

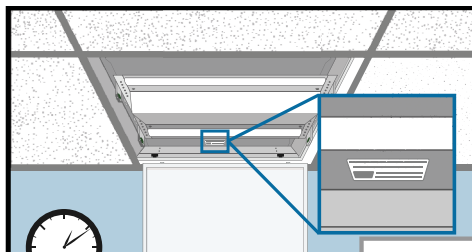


**Step 3:**  
Connect the RTR Kit to AC Power and ground.

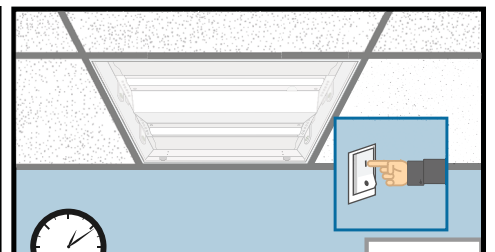
Optional toolless frosted lenses can be added to remove shadowing or pixilation.



**Step 4:**  
Install the RTR to the back of the existing fixture housing with supplied screws. RTR will fit in between existing socket bars.



**Step 5:**  
Adhere the Fixture ID Label to the original fixture housing in a clear and visible location.



**Step 6:**  
Close existing fixture doorframe and turn on or reconnect power to the fixture to complete the installation.

# RTR LED TROFFER RETROFIT KIT

## COMMERCIAL

### PHOTOMETRIC REPORTS

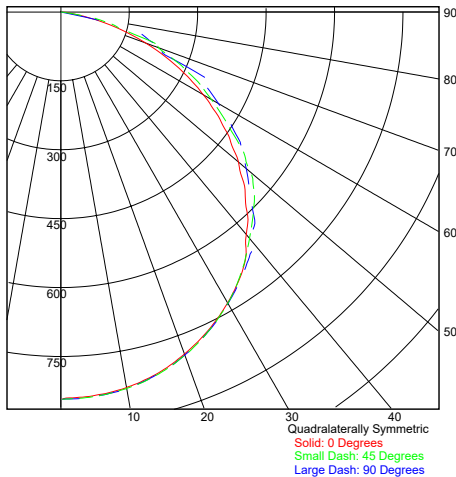
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)

#### RTR22040-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2429.3
INPUT WATTS:	16.24

##### PLANE AND CONE DIAGRAM

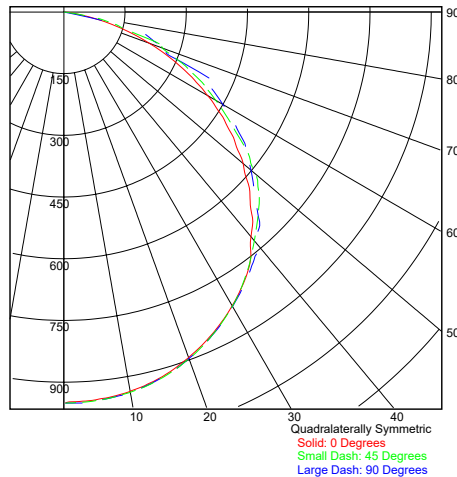


#### RTR22540-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3942.153
INPUT WATTS:	34.84

##### PLANE AND CONE DIAGRAM

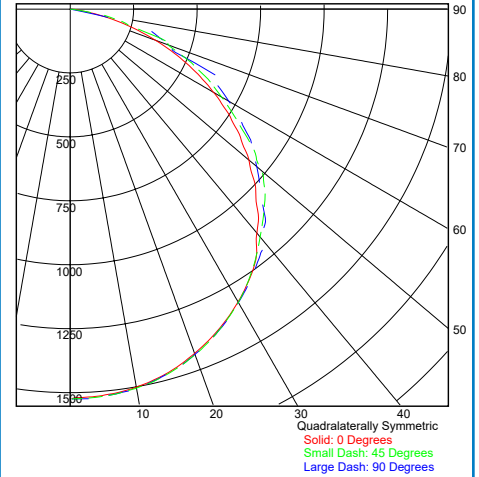


#### RTR24040-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4393.3
INPUT WATTS:	32.33

##### PLANE AND CONE DIAGRAM

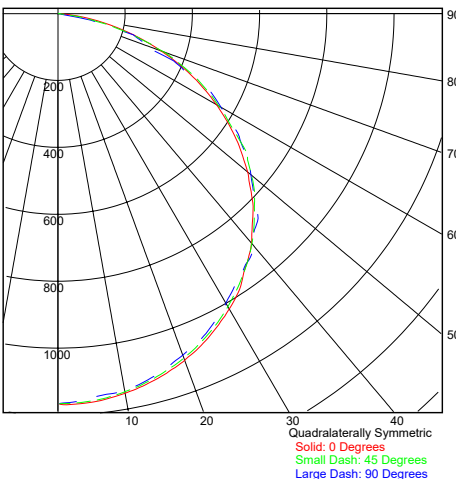


#### RTR43040-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3420.6
INPUT WATTS:	20.49

##### PLANE AND CONE DIAGRAM

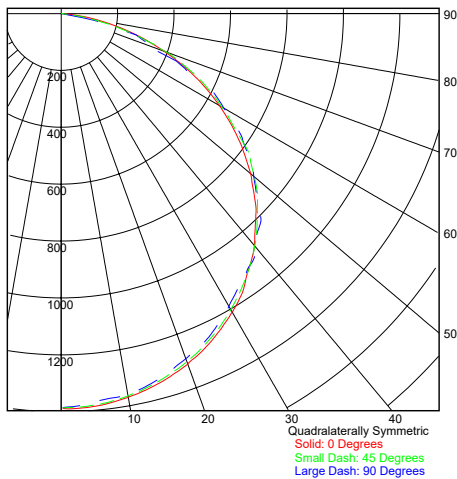


#### RTR44040-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4066.7
INPUT WATTS:	25.5

##### PLANE AND CONE DIAGRAM

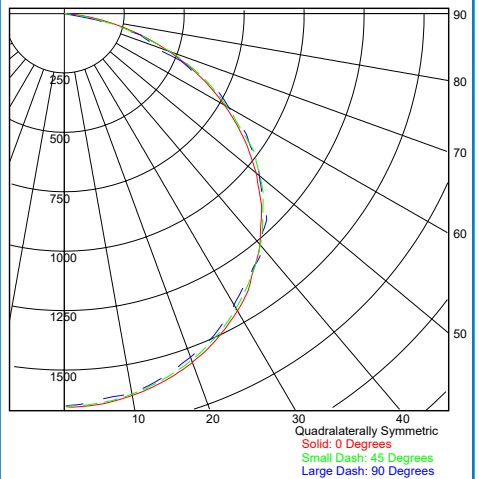


#### RTR44540-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4844.84
INPUT WATTS:	32.09

##### PLANE AND CONE DIAGRAM



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### PHOTOMETRIC REPORTS

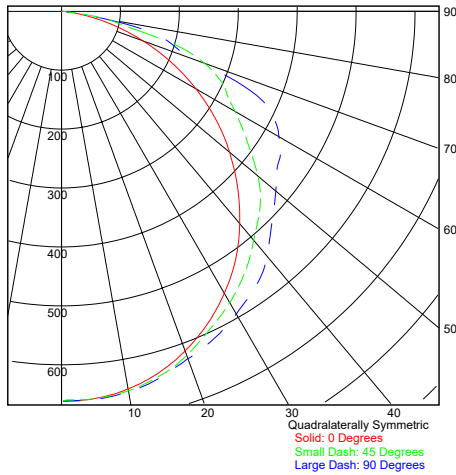
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)

#### RTR22040-L-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2046.8
INPUT WATTS:	16.24

##### PLANE AND CONE DIAGRAM

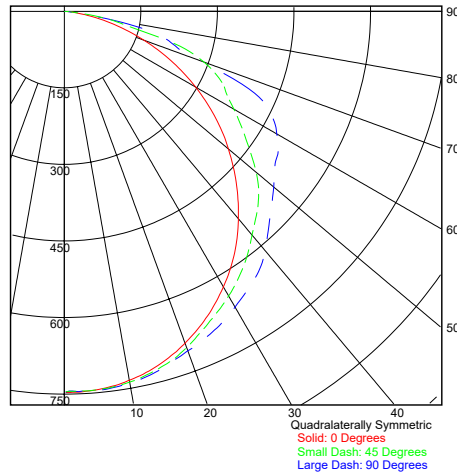


#### RTR22540-L-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2309.02
INPUT WATTS:	18.55

##### PLANE AND CONE DIAGRAM

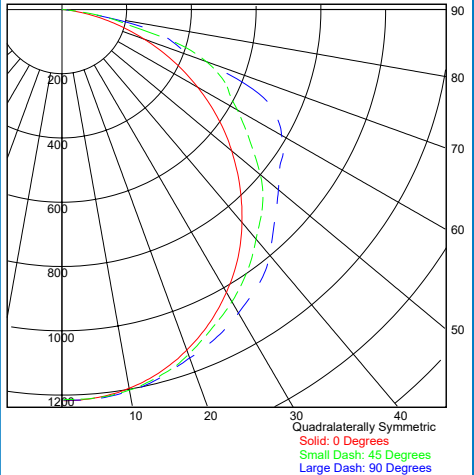


#### RTR24040-L-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3764.3
INPUT WATTS:	32.3

##### PLANE AND CONE DIAGRAM

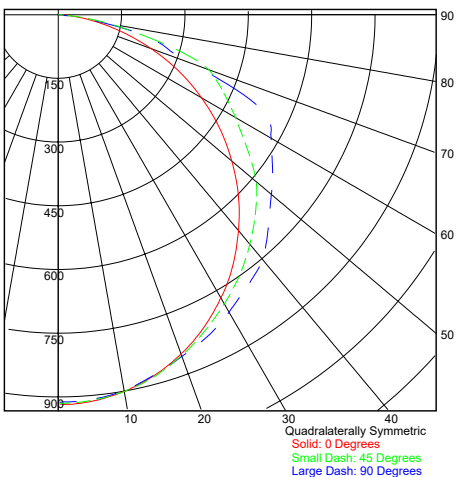


#### RTR43040-L-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2883.6
INPUT WATTS:	20.49

##### PLANE AND CONE DIAGRAM

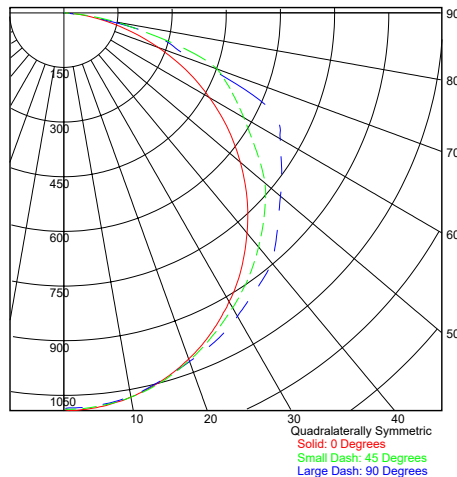


#### RTR44040-L-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3429.1
INPUT WATTS:	25.5

##### PLANE AND CONE DIAGRAM



#### RTR44540-L-03

##### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4210.8
INPUT WATTS:	32.07

##### PLANE AND CONE DIAGRAM

