

## Features

- Compatible with R17d Recessed Double Contact (RDC) lamp sockets
- Direct replacement of T12 fluorescent lamps in signage retrofits
- IP68 rated, suitable for dry, damp and wet locations
- Operating temperature -40°C to +60°C (-40°F to +140°F)
- 5 year limited warranty

## Applications

- Fluorescent Lamp Retrofits in Signage
- Double Face Cabinet Signs
- Double Face Box Signs

## Ordering Information

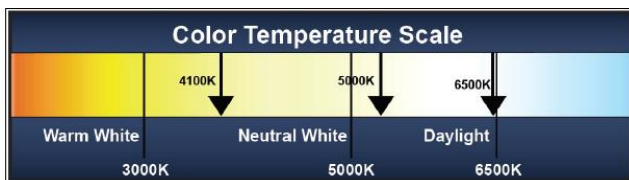
Part Number	Nominal Length	White Color Temperature	Nominal Light Output*	Nominal Wattage	Number of LED Modules	Weight	Compatible Fluorescent Lamp
LS-RTRZ5-018-65K-G3	1'6"	6500 K	560 lm	5.3 W	4	0.8 lb	F18T12
LS-RTRZ5-018-50K-G3	1'6"	5000 K	560 lm	5.3 W	4	0.8 lb	F18T12
LS-RTRZ5-018-41K-G3	1'6"	4100 K	470 lm	5.3 W	4	0.8 lb	F18T12
LS-RTRZ5-024-65K-G3	2'	6500K	840 lm	7.9 W	6	1.0 lb	F24T12
LS-RTRZ5-024-50K-G3	2'	5000K	840 lm	7.9 W	6	1.0 lb	F24T12
LS-RTRZ5-024-41K-G3	2'	4100K	710 lm	7.9 W	6	1.0 lb	F24T12
LS-RTRZ5-030-65K-G3	2'6"	6500 K	1120 lm	10.6 W	8	1.4 lb	F30T12
LS-RTRZ5-030-50K-G3	2'6"	5000 K	1120 lm	10.6 W	8	1.4 lb	F30T12
LS-RTRZ5-030-41K-G3	2'6"	4100 K	940 lm	10.6 W	8	1.4 lb	F30T12
LS-RTRZ5-036-65K-G3	3'	6500K	1400 lm	13.2 W	10	1.7 lb	F36T12
LS-RTRZ5-036-50K-G3	3'	5000 K	1400 lm	13.2 W	10	1.7 lb	F36T12
LS-RTRZ5-036-41K-G3	3'	4100 K	1180 lm	13.2 W	10	1.7 lb	F36T12
LS-RTRZ5-042-65K-G3	3'6"	6500 K	1680 lm	15.8 W	12	2.0 lb	F42T12
LS-RTRZ5-042-50K-G3	3'6"	5000 K	1680 lm	15.8 W	12	2.0 lb	F42T12
LS-RTRZ5-042-41K-G3	3'6"	4100 K	1420 lm	15.8 W	12	2.0 lb	F42T12
LS-RTRZ5-048-65K-G3	4'	6500 K	1960 lm	18.5 W	14	2.4 lb	F48T12
LS-RTRZ5-048-50K-G3	4'	5000 K	1960 lm	18.5 W	14	2.4 lb	F48T12
LS-RTRZ5-048-41K-G3	4'	4100 K	1650 lm	18.5 W	14	2.4 lb	F48T12

\* ± 10%

## Ordering Information

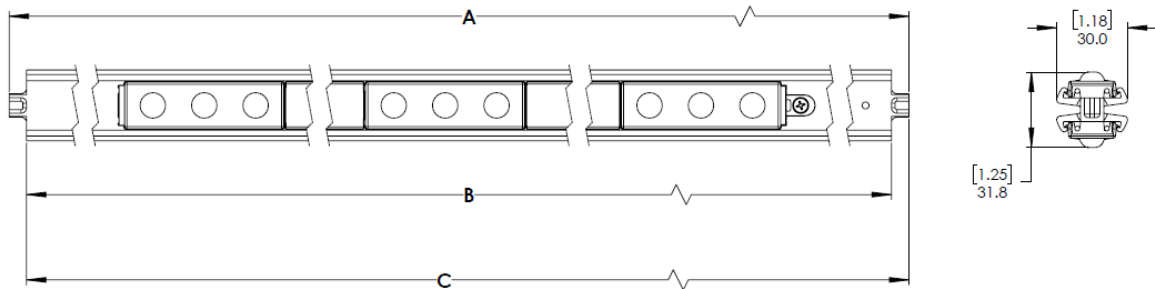
Part Number	Nominal Length	White Color Temperature	Nominal Light Output*	Nominal Wattage	Number of LED Modules	Weight	Compatible Fluorescent Lamp
LS-RTRZ5-060-65K-G3	5'	6500 K	2520 lm	23.8 W	18	2.9 lb	F60T12
LS-RTRZ5-060-50K-G3	5'	5000 K	2520 lm	23.8 W	18	2.9 lb	F60T12
LS-RTRZ5-060-41K-G3	5'	4100 K	2120 lm	23.8 W	18	2.9 lb	F60T12
LS-RTRZ5-064-65K-G3	5'4"	6500 K	2800 lm	26.4 W	20	3.0 lb	F64T12
LS-RTRZ5-064-50K-G3	5'4"	5000 K	2800 lm	26.4 W	20	3.0 lb	F64T12
LS-RTRZ5-064-41K-G3	5'4"	4100 K	2360 lm	26.4 W	20	3.0 lb	F64T12
LS-RTRZ5-072-65K-G3	6'	6500 K	3080 lm	29.0 W	22	3.3 lb	F72T12
LS-RTRZ5-072-50K-G3	6'	5000 K	3080 lm	29.0 W	22	3.3 lb	F72T12
LS-RTRZ5-072-41K-G3	6'	4100 K	2600 lm	29.0 W	22	3.3 lb	F72T12
LS-RTRZ5-084-65K-G3	7'	6500 K	3640 lm	34.3 W	26	3.9 lb	F84T12
LS-RTRZ5-084-50K-G3	7'	5000 K	3640 lm	34.3 W	26	3.9 lb	F84T12
LS-RTRZ5-084-41K-G3	7'	4100 K	3070 lm	34.3 W	26	3.9 lb	F84T12
LS-RTRZ5-096-65K-G3	8'	6500 K	4200 lm	39.6 W	30	4.5 lb	F96T12
LS-RTRZ5-096-50K-G3	8'	5000 K	4200 lm	39.6 W	30	4.5 lb	F96T12
LS-RTRZ5-096-41K-G3	8'	4100 K	3540 lm	39.6 W	30	4.5 lb	F96T12
LS-RTRZ5-108-65K-G3	9'	6500 K	4760 lm	44.9 W	34	5.0 lb	F108T12
LS-RTRZ5-108-50K-G3	9'	5000 K	4760 lm	44.9 W	34	5.0 lb	F108T12
LS-RTRZ5-108-41K-G3	9'	4100 K	4010 lm	44.9 W	34	5.0 lb	F108T12
LS-RTRZ5-117-65K-G3	9'9"	6500 K	5320 lm	50.2 W	38	5.5 lb	F117T12
LS-RTRZ5-117-50K-G3	9'9"	5000 K	5320 lm	50.2 W	38	5.5 lb	F117T12
LS-RTRZ5-117-41K-G3	9'9"	4100 K	4480 lm	50.2 W	38	5.5 lb	F117T12
LS-RTRZ5-120-65K-G3	10'	6500 K	5320 lm	50.2 W	38	5.8 lb	F120T12
LS-RTRZ5-120-50K-G3	10'	5000 K	5320 lm	50.2 W	38	5.8 lb	F120T12
LS-RTRZ5-120-41K-G3	10'	4100 K	4480 lm	50.2 W	38	5.8 lb	F120T12

\* ± 10%



## Dimensions

Part Number	Nominal Length	A – Overall Length (inch)		B – Base Face to Base Face (inch)		C – Base Face to End of Opposite Plug (inch)		Max. Outside Height (inch)
		MIN	MAX	MIN	MAX	MIN	MAX	
LS-RTRZ5-018-xxx-G3	1'6"	15.74	15.84	15.18	15.24	15.46	15.54	1.25
LS-RTRZ5-024-xxx-G3	2'	21.74	21.84	21.18	21.24	21.46	21.54	1.25
LS-RTRZ5-030-xxx-G3	2'6"	27.74	27.84	27.18	27.24	27.46	27.54	1.25
LS-RTRZ5-036-xxx-G3	3'	33.74	33.84	33.18	33.24	33.46	33.54	1.25
LS-RTRZ5-042-xxx-G3	3'6"	39.74	39.84	39.18	39.24	39.46	39.54	1.25
LS-RTRZ5-048-xxx-G3	4'	45.74	45.84	45.18	45.24	45.46	45.54	1.25
LS-RTRZ5-060-xxx-G3	5'	57.74	57.84	57.18	57.24	57.46	57.54	1.25
LS-RTRZ5-064-xxx-G3	5'4"	61.74	61.84	61.18	61.24	61.46	61.54	1.25
LS-RTRZ5-072-xxx-G3	6'	69.74	69.84	69.18	69.24	69.46	69.54	1.25
LS-RTRZ5-084-xxx-G3	7'	81.74	81.84	81.18	81.24	81.46	81.54	1.25
LS-RTRZ5-096-xxx-G3	8'	93.74	93.84	93.18	93.24	93.46	93.54	1.25
LS-RTRZ5-108-xxx-G3	9'	105.74	105.84	105.18	105.24	105.46	105.54	1.25
LS-RTRZ5-117-xxx-G3	9'9"	114.74	114.84	114.18	114.24	114.46	114.54	1.25
LS-RTRZ5-120-xxx-G3	10'	117.74	117.84	117.18	117.24	117.46	117.54	1.25



\* Each set of output wires is labeled with % Load for field wiring to 60W power supplies.  
( See page 4 for details. )



1. These products are suitable for use in dry, damp, and wet locations. Not suitable for submersed applications.
2. Ensure to disconnect AC power to the sign and remove the ballast and fluorescent lamps prior to retrofitting.
3. Compatible lamp socket type is recessed double contact (RDC). Ensure no power to sockets prior to RetroRayz installation.
4. When these products are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the Class 2 power supply.
5. These products are intended for use only when connected to a power source that complies with Class 2 voltage and energy limited circuit.
6. When these units are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the Class 2 power supply.
7. These products may be secured in place in the end product by any means available.

## Power Supply Loading Chart and Wiring

Part Number	Nominal Length	Nominal Wattage	Number of Bars per 60W PS	Number of Output Wire Sets (+/-) Per Bar	% Load Labeled on 60W PS Output Wire Set(s)
LS-RTRZ5-018-xxx-G3	1'6"	5.3 W	11	1 set	1/11 Load
LS-RTRZ5-024-xxx-G3	2'	7.9 W	7	1 set	1/7 Load
LS-RTRZ5-030-xxx-G3	2'6"	10.6 W	5	1 set	1/5 Load
LS-RTRZ5-036-xxx-G3	3'	13.2 W	4	1 set	1/4 Load
LS-RTRZ5-042-xxx-G3	3'6"	15.8 W	3	1 set	1/3 Load
LS-RTRZ5-048-xxx-G3	4'	18.5 W	3	1 set	1/3 Load
LS-RTRZ5-060-xxx-G3	5'	23.8 W	2	1 set	1/2 Load
LS-RTRZ5-064-xxx-G3	5'4"	26.4 W	2	1 set	1/2 Load
LS-RTRZ5-072-xxx-G3	6'	29.0 W	2	1 set	1/2 Load
LS-RTRZ5-084-xxx-G3	7'	34.3 W	1.5	2 sets	Set 1 -1/3 Load, Set 2 -1/3 Load
LS-RTRZ5-096-xxx-G3	8'	39.6 W	1	1 set	Full Load
LS-RTRZ5-108-xxx-G3	9'	44.9 W	1	1 set	Full Load
LS-RTRZ5-117-xxx-G3	9'9"	50.2 W	1	1 set	Full Load
LS-RTRZ5-120-xxx-G3	10'	50.2 W	1	1 set	Full Load

## Shipping Information

Part Number	Nominal Length	Quantity per Box	Weight	Box Dimensions (inch)		
				Length	Width	Height
LS-RTRZ5-018-xxx-G3	1'6"	20 pcs	16.4 lb	17.9	10.5	10.7
LS-RTRZ5-024-xxx-G3	2'	20 pcs	21.4 lb	23.9	10.5	10.7
LS-RTRZ5-030-xxx-G3	2'6"	20 pcs	27.4 lb	29.9	10.5	10.7
LS-RTRZ5-036-xxx-G3	3'	20 pcs	32.9 lb	35.9	10.5	10.7
LS-RTRZ5-042-xxx-G3	3'6"	20 pcs	39.5 lb	41.9	10.5	10.7
LS-RTRZ5-048-xxx-G3	4'	20 pcs	47.7 lb	47.9	10.5	10.7
LS-RTRZ5-060-xxx-G3	5'	10 pcs	29.4 lb	59.9	10.5	5.3
LS-RTRZ5-064-xxx-G3	5'4"	10 pcs	31.1 lb	63.9	10.5	5.3
LS-RTRZ5-072-xxx-G3	6'	10 pcs	34.3 lb	71.9	10.5	5.3
LS-RTRZ5-084-xxx-G3	7'	10 pcs	40.2 lb	83.9	10.5	5.3
LS-RTRZ5-096-xxx-G3	8'	10 pcs	46.4 lb	95.9	10.5	5.3
LS-RTRZ5-108-xxx-G3	9'	10 pcs	51.8 lb	107.9	10.5	5.3
LS-RTRZ5-117-xxx-G3	9'9"	5 pcs	29.3 lb	116.9	10.5	3.1
LS-RTRZ5-120-xxx-G3	10'	5 pcs	31.1 lb	119.9	10.5	3.1