

## 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

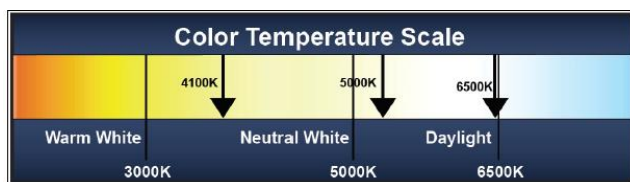
Part Number	Nominal Length	White Color Temperature	Nominal Light Output*	Nominal Wattage	Number of LED Modules	Weight	Compatible Fluorescent Lamp
LS-RTRZ7-018-65K-G3	1'6"	6500 K	840 lm	7.9 W	6	1.0 lb	F18T12
LS-RTRZ7-018-50K-G3	1'6"	5000 K	840 lm	7.9 W	6	1.0 lb	F18T12
LS-RTRZ7-018-41K-G3	1'6"	4100 K	710 lm	7.9 W	6	1.0 lb	F18T12
LS-RTRZ7-024-65K-G3	2'	6500K	1400 lm	13.2 W	10	1.3 lb	F24T12
LS-RTRZ7-024-50K-G3	2'	5000K	1400 lm	13.2 W	10	1.3 lb	F24T12
LS-RTRZ7-024-41K-G3	2'	4100K	1180 lm	13.2 W	10	1.3 lb	F24T12
LS-RTRZ7-030-65K-G3	2'6"	6500 K	1680 lm	15.8 W	12	1.6 lb	F30T12
LS-RTRZ7-030-50K-G3	2'6"	5000 K	1680 lm	15.8 W	12	1.6 lb	F30T12
LS-RTRZ7-030-41K-G3	2'6"	4100 K	1420 lm	15.8 W	12	1.6 lb	F30T12
LS-RTRZ7-036-65K-G3	3'	6500K	1960 lm	18.5 W	14	1.9 lb	F36T12
LS-RTRZ7-036-50K-G3	3'	5000 K	1960 lm	18.5 W	14	1.9 lb	F36T12
LS-RTRZ7-036-41K-G3	3'	4100 K	1650 lm	18.5 W	14	1.9 lb	F36T12
LS-RTRZ7-042-65K-G3	3'6"	6500 K	2520 lm	23.8 W	18	2.1 lb	F42T12
LS-RTRZ7-042-50K-G3	3'6"	5000 K	2520 lm	23.8 W	18	2.1 lb	F42T12
LS-RTRZ7-042-41K-G3	3'6"	4100 K	2120 lm	23.8 W	18	2.1 lb	F42T12
LS-RTRZ7-048-65K-G3	4'	6500 K	2800 lm	26.4 W	20	2.4 lb	F48T12
LS-RTRZ7-048-50K-G3	4'	5000 K	2800 lm	26.4 W	20	2.4 lb	F48T12
LS-RTRZ7-048-41K-G3	4'	4100 K	2360 lm	26.4 W	20	2.4 lb	F48T12

\* ± 10%

## Ordering Information

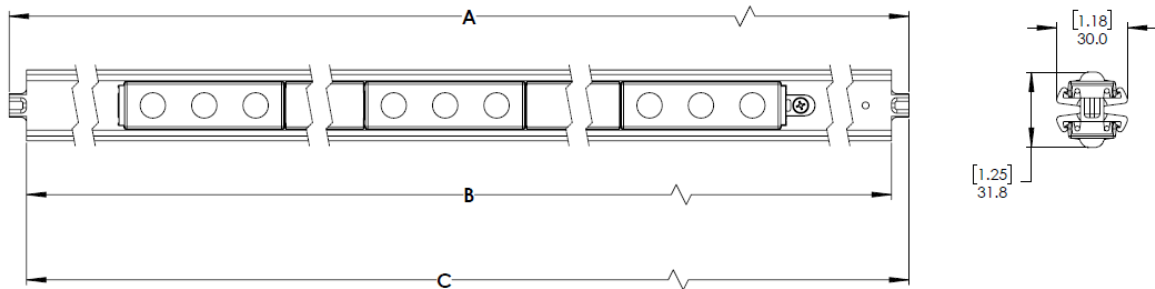
Part Number	Nominal Length	White Color Temperature	Nominal Light Output*	Nominal Wattage	Number of LED Modules	Weight	Compatible Fluorescent Lamp
LS-RTRZ7-060-65K-G3	5'	6500 K	3640 lm	34.3 W	26	3.0 lb	F60T12
LS-RTRZ7-060-50K-G3	5'	5000 K	3640 lm	34.3 W	26	3.0 lb	F60T12
LS-RTRZ7-060-41K-G3	5'	4100 K	3070 lm	34.3 W	26	3.0 lb	F60T12
LS-RTRZ7-064-65K-G3	5'4"	6500 K	3920 lm	37.0 W	28	3.4 lb	F64T12
LS-RTRZ7-064-50K-G3	5'4"	5000 K	3920 lm	37.0 W	28	3.4 lb	F64T12
LS-RTRZ7-064-41K-G3	5'4"	4100 K	3300 lm	37.0 w	28	3.4 lb	F64T12
LS-RTRZ7-072-65K-G3	6'	6500 K	4200 lm	39.6 W	30	3.6 lb	F72T12
LS-RTRZ7-072-50K-G3	6'	5000 K	4200 lm	39.6 W	30	3.6 lb	F72T12
LS-RTRZ7-072-41K-G3	6'	4100 K	3540 lm	39.6 W	30	3.6 lb	F72T12
LS-RTRZ7-084-65K-G3	7'	6500 K	5040 lm	47.5 W	36	4.3 lb	F84T12
LS-RTRZ7-084-50K-G3	7'	5000 K	5040 lm	47.5 W	36	4.3 lb	F84T12
LS-RTRZ7-084-41K-G3	7'	4100 K	4250 lm	47.5 W	36	4.3 lb	F84T12
LS-RTRZ7-096-65K-G3	8'	6500 K	5880 lm	55.4 W	42	4.9 lb	F96T12
LS-RTRZ7-096-50K-G3	8'	5000 K	5800 lm	55.4 W	42	4.9 lb	F96T12
LS-RTRZ7-096-41K-G3	8'	4100 K	4960 lm	55.4 W	42	4.9 lb	F96T12
LS-RTRZ7-108-65K-G3	9'	6500 K	6440 lm	60.7 W	46	5.4 lb	F108T12
LS-RTRZ7-108-50K-G3	9'	5000 K	6440 lm	60.7 W	46	5.4 lb	F108T12
LS-RTRZ7-108-41K-G3	9'	4100 K	5430 lm	60.7 W	46	5.4 lb	F108T12
LS-RTRZ7-117-65K-G3	9'9"	6500 K	7280 lm	68.6 W	52	6.2 lb	F117T12
LS-RTRZ7-117-50K-G3	9'9"	5000 K	7280 lm	68.6 W	52	6.2 lb	F117T12
LS-RTRZ7-117-41K-G3	9'9"	4100 K	6140 lm	68.6 W	52	6.2 lb	F117T12
LS-RTRZ7-120-65K-G3	10'	6500 K	7280 lm	68.6 W	52	6.3 lb	F120T12
LS-RTRZ7-120-50K-G3	10'	5000 K	7280 lm	68.6 W	52	6.3 lb	F120T12
LS-RTRZ7-120-41K-G3	10'	4100 K	6140 lm	68.6 W	52	6.3 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-RTRZ7-018-xxx-G3	1'6"	15.74	15.84	15.18	15.24	15.46	15.54	1.25
LS-RTRZ7-024-xxx-G3	2'	21.74	21.84	21.18	21.24	21.46	21.54	1.25
LS-RTRZ7-030-xxx-G3	2'6"	27.74	27.84	27.18	27.24	27.46	27.54	1.25
LS-RTRZ7-036-xxx-G3	3'	33.74	33.84	33.18	33.24	33.46	33.54	1.25
LS-RTRZ7-042-xxx-G3	3'6"	39.74	39.84	39.18	39.24	39.46	39.54	1.25
LS-RTRZ7-048-xxx-G3	4'	45.74	45.84	45.18	45.24	45.46	45.54	1.25
LS-RTRZ7-060-xxx-G3	5'	57.74	57.84	57.18	57.24	57.46	57.54	1.25
LS-RTRZ7-064-xxx-G3	5'4"	61.74	61.84	61.18	61.24	61.46	61.54	1.25
LS-RTRZ7-072-xxx-G3	6'	69.74	69.84	69.18	69.24	69.46	69.54	1.25
LS-RTRZ7-084-xxx-G3	7'	81.74	81.84	81.18	81.24	81.46	81.54	1.25
LS-RTRZ7-096-xxx-G3	8'	93.74	93.84	93.18	93.24	93.46	93.54	1.25
LS-RTRZ7-108-xxx-G3	9'	105.74	105.84	105.18	105.24	105.46	105.54	1.25
LS-RTRZ7-117-xxx-G3	9'9"	114.74	114.84	114.18	114.24	114.46	114.54	1.25
LS-RTRZ7-120-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-RTRZ7-018-xxx-G3	1'6"	7.9 W	7	1 set	1/7 Load
LS-RTRZ7-024-xxx-G3	2'	13.2 W	4	1 set	1/4 Load
LS-RTRZ7-030-xxx-G3	2'6"	15.8 W	3	1 set	1/3 Load
LS-RTRZ7-036-xxx-G3	3'	18.5 W	3	1 set	1/3 Load
LS-RTRZ7-042-xxx-G3	3'6"	23.8 W	2	1 set	1/2 Load
LS-RTRZ7-048-xxx-G3	4'	26.4 W	2	1 set	1/2 Load
LS-RTRZ7-060-xxx-G3	5'	34.3 W	1.5	2 sets	Set 1 -1/3 Load, Set 2 - 1/3 Load
LS-RTRZ7-064-xxx-G3	5'4"	37.0 W	1.5	2 sets	Set 1 -1/3 Load, Set 2 - 1/3 Load
LS-RTRZ7-072-xxx-G3	6'	39.6 W	1	1 set	Full Load
LS-RTRZ7-084-xxx-G3	7'	47.5 W	1	1 set	Full Load
LS-RTRZ7-096-xxx-G3	8'	55.4 W	1	1 set	Full Load
LS-RTRZ7-108-xxx-G3	9'	60.7 W	0.75	2 sets	Set 1 - Full Load, Set 2 - 1/3 Load
LS-RTRZ7-117-xxx-G3	9'9"	68.6 W	0.75	2 sets	Set 1 - Full Load, Set 2 - 1/3 Load
LS-RTRZ7-120-xxx-G3	10'	68.6 W	0.75	2 sets	Set 1 - Full Load, Set 2 - 1/3 Load

## Shipping Information

Part Number	Nominal Length	Quantity per Box	Weight	Box Dimensions (inch)		
				Length	Width	Height
LS-RTRZ7-018-xxx-G3	1'6"	20 pcs	21.0 lb	17.9	10.5	10.7
LS-RTRZ7-024-xxx-G3	2'	20 pcs	26.4 lb	23.9	10.5	10.7
LS-RTRZ7-030-xxx-G3	2'6"	20 pcs	31.6 lb	29.9	10.5	10.7
LS-RTRZ7-036-xxx-G3	3'	20 pcs	36.9 lb	35.9	10.5	10.7
LS-RTRZ7-042-xxx-G3	3'6"	20 pcs	42.3 lb	41.9	10.5	10.7
LS-RTRZ7-048-xxx-G3	4'	20 pcs	49.3 lb	47.9	10.5	10.7
LS-RTRZ7-060-xxx-G3	5'	10 pcs	32.3 lb	59.9	10.5	5.3
LS-RTRZ7-064-xxx-G3	5'4"	10 pcs	34.7 lb	63.9	10.5	5.3
LS-RTRZ7-072-xxx-G3	6'	10 pcs	37.4 lb	71.9	10.5	5.3
LS-RTRZ7-084-xxx-G3	7'	10 pcs	43.6 lb	83.9	10.5	5.3
LS-RTRZ7-096-xxx-G3	8'	10 pcs	49.8 lb	95.9	10.5	5.3
LS-RTRZ7-108-xxx-G3	9'	10 pcs	56.1 lb	107.9	10.5	5.3
LS-RTRZ7-117-xxx-G3	9'9"	5 pcs	32.9 lb	116.9	10.5	3.1
LS-RTRZ7-120-xxx-G3	10'	5 pcs	33.0 lb	119.9	10.5	3.1