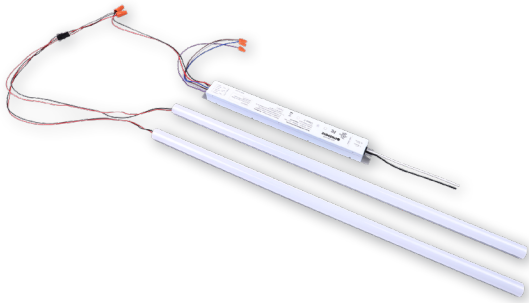




# RK1-SERIES 2FT LED LINEAR RETROFIT KITS



Project	
Date	
Prepared by	
Model #	RK1-22255-3

## OVERVIEW

The RK1 Series LED Linear Retrofit Kit is the easiest and most versatile fluorescent bulb retrofit solution: a two-piece magnetic LED strip and driver kit that attaches directly to any existing linear fixture and bypasses the ballast for a quick installation.

The RK1 uses the housing of the existing fixture to limit excess waste and does not require above ceiling access to install. They are the fastest, most efficient way to upgrade fluorescent linear fixtures to long-lasting LED lighting.

## PRODUCT HIGHLIGHTS

- 110 lm/W delivered lumens
- High strength magnetic strips on LED tubes and driver for quick and painless install
- Use existing troffer fixture, no need to replace or dispose of fixture



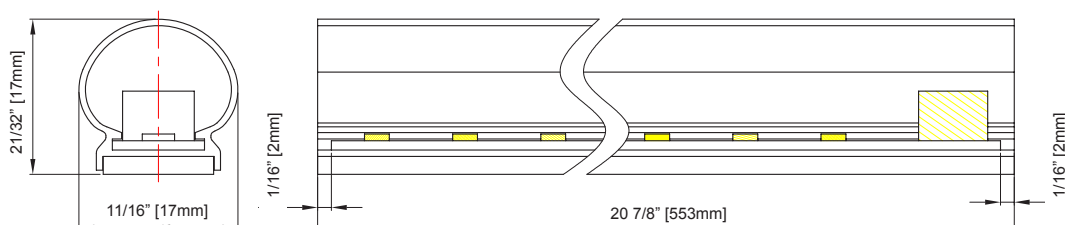
### OPTICAL SPECIFICATIONS

Lumen Output (lm) <sub>1</sub>	3,050 lm	Beam Angle (°) <sub>1</sub>	110°
CCT (K) <sub>1</sub>	5000K	Lumen Maintenance (L <sub>70</sub> )	>54,000 hrs
CRI (Ra) <sub>1</sub>	80+	Chromaticity Shift (K)	±283K
Efficacy (lm/W) <sub>1</sub>	122 lm/W		

### ELECTRICAL SPECIFICATIONS

Power	25W	Current Draw at 120V <sub>AC</sub> (A) <sub>2</sub>	0.260A
Apparent Power (VA)	28VA	Current Draw at 208V <sub>AC</sub> (A) <sub>2</sub>	0.150A
System Wattage (W)	25W	Current Draw at 240V <sub>AC</sub> (A) <sub>2</sub>	0.130A
Input Voltage (VAC)	120-347V	Current Draw at 277V <sub>AC</sub> (A) <sub>2</sub>	0.110A
Output Voltage (VDC)	25-42VDC	Current Draw at 347V <sub>AC</sub> (A) <sub>2</sub>	0.090A

### PRODUCT DIMENSION



## CONSTRUCTION

Lens Material	Polycarbonate	Installation Method	Magnetic
Weight	0.43 kg / 0.95 lbs	Operation Range (°F/°C)	-25°C to 40°C / -13°F to 104°F
Dimensions (inch/mm)	L: 20 7/8" (553mm) W: 11/16" (17mm) H: 21/32" (17mm)	Warranty	5 years



## APPROVALS AND LISTINGS

Damp Location Rated	Yes	IP Rating	IP20
DLC Standard	PL3DHTAMCERZ	UL/ETL Listed	cETLus

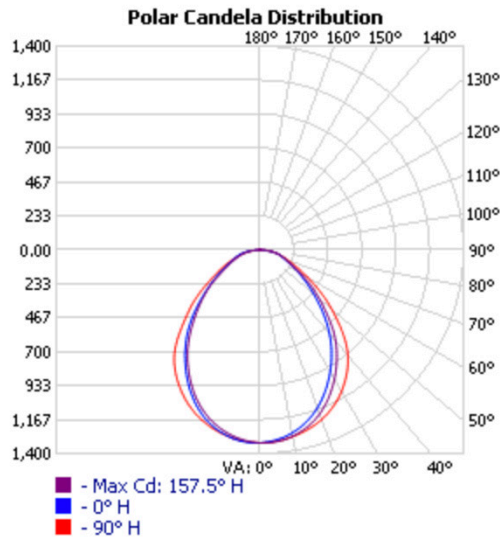
## LED AND DRIVER SPECIFICATIONS

LED Type	2835	Inrush Current (A)	60A
Dimmable	Yes (0-10V)	Driver Class	Class 2
Power Factor	>0.9	Surge Protection (kV)	1kV (L-N)

## ACCESSORIES

 <b>RK1-CAPS</b> End caps that close up the end of the RK1 strips	 <b>RK1-CLIPS</b> Metal mounting clips that click onto the RK1 strips
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## CANDELA



## ILLUMINANCE AT A DISTANCE

### ILLUMINANCE AT A DISTANCE

HEIGHT(FT)	CENTER BEAM		BEAM SPREAD(FT)		FIELD SPREAD(FT)	
	FOOTCANDLE		HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
<b>4.00</b>	82.81 FC		9.3	7.7	34.9	36.2
<b>8.00</b>	20.70 FC		18.5	15.5	69.8	72.3
<b>12.00</b>	9.20 FC		27.8	23.2	104.6	108.5
<b>16.00</b>	5.18 FC		37.0	30.9	139.5	144.6
<b>20.00</b>	3.31 FC		46.3	38.6	174.4	180.8
			BEAM ANGLE		FIELD ANGLE	
			98.3°		154.2°	
			88.0°		155.0°	

## PRODUCT KEY

Product Series	Strip and Length	Wattage	CCT	Voltage
RK1	<input type="checkbox"/> 22 : 2 Strips x 2ft <input type="checkbox"/> 24 : 2 Strips x 4ft	<input type="checkbox"/> *25 : 25W <input type="checkbox"/> **32 : 32W <input type="checkbox"/> **46 : 46W	<input type="checkbox"/> 4 : 4000K <input type="checkbox"/> 5 : 5000K	<input type="checkbox"/> 3 : 120-347V

Example:  
RK1-22254-3

\*25 option available in 2ft length only. \*\*32 & 46 options available in 4ft length only.

- Due to the special conditions of manufacturing, the typical data of optical specifications can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
- Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.
- Refer to Warranty Terms & Conditions available at [premiseled.com/warranty](http://premiseled.com/warranty)

Specifications and dimensions  
subject to change without notice.

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