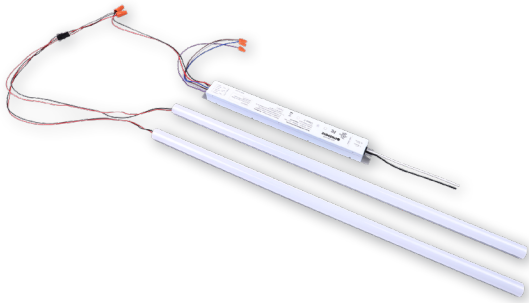




RK1-SERIES 4FT LED LINEAR RETROFIT KITS



| | |
|-------------|-------------|
| Project | |
| Date | |
| Prepared by | |
| Model # | RK1-24325-3 |

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

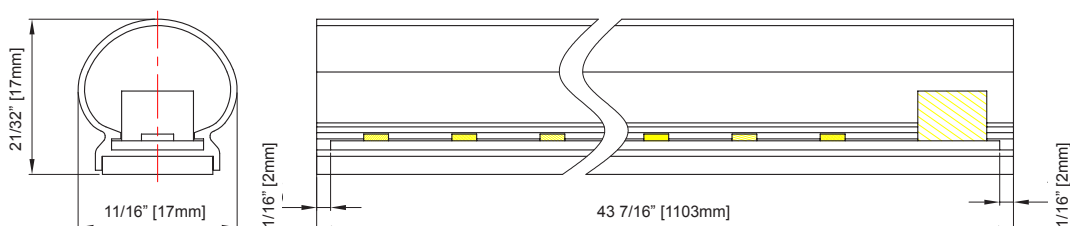
OPTICAL SPECIFICATIONS

| | | | |
|--------------------------------|----------|--------------------------------------|-------------|
| Lumen Output (lm) ₁ | 3,750 lm | Beam Angle (°) ₁ | 110° |
| CCT (K) ₁ | 5000K | Lumen Maintenance (L ₇₀) | >54,000 hrs |
| CRI (Ra) ₁ | 80+ | Chromaticity Shift (K) | ±283K |
| Efficacy (lm/W) ₁ | 117 lm/W | | |

ELECTRICAL SPECIFICATIONS

| | | | |
|----------------------|----------|-----------------------------------------------------|--------|
| Power | 32W | Current Draw at 120V _{AC} (A) ₂ | 0.355A |
| Apparent Power (VA) | 36VA | Current Draw at 208V _{AC} (A) ₂ | 0.200A |
| System Wattage (W) | 32W | Current Draw at 240V _{AC} (A) ₂ | 0.180A |
| Input Voltage (VAC) | 120-347V | Current Draw at 277V _{AC} (A) ₂ | 0.150A |
| Output Voltage (VDC) | 25-42VDC | Current Draw at 347V _{AC} (A) ₂ | 0.120A |

PRODUCT DIMENSION



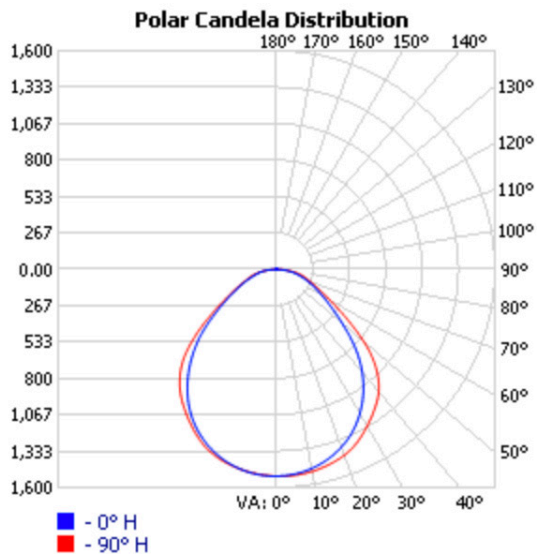
| CONSTRUCTION | | | |
|----------------------|--------------------------------------------------------------|-------------------------|--------------------------------|
| Lens Material | Polycarbonate | Installation Method | Magnetic |
| Weight | 0.60 kg / 1.32 lbs | Operation Range (°F/°C) | -25°C to 40°C / -13°F to 104°F |
| Dimensions (inch/mm) | L: 43 7/16" (1103mm) W: 11/16" (17mm) H: 21/32" (17mm) | Warranty | 5 years |

| APPROVALS AND LISTINGS | | | |
|------------------------|--------------|---------------|--------|
| Damp Location Rated | Yes | IP Rating | IP20 |
| DLC Standard | PLKLPLFC23SS | 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 | | | | | |
|-----------------------------------------------------------------------------------|-----------------|--------------------------------------------------|-----------------------------------------------------------------------------------|------------------|-----------------------------------------------------|
|  | RK1-CAPS | End caps that close up the end of the RK1 strips |  | RK1-CLIPS | Metal mounting clips that click onto the RK1 strips |

| CANDELA | ILLUMINANCE AT A DISTANCE |
|---------|---------------------------|
|---------|---------------------------|



| ILLUMINANCE AT A DISTANCE | | | | | |
|---------------------------|-------------|-----------------|----------|------------------|----------|
| HEIGHT(FT) | CENTER BEAM | BEAM SPREAD(FT) | | FIELD SPREAD(FT) | |
| | FOOTCANDLE | HORIZONTAL | VERTICAL | HORIZONTAL | VERTICAL |
| 4.00 | 94.69 FC | 10.0 | 8.8 | 41.4 | 34.0 |
| 8.00 | 23.67 FC | 20.1 | 17.5 | 82.9 | 68.1 |
| 12.00 | 10.52 FC | 30.1 | 26.3 | 124.3 | 102.1 |
| 16.00 | 5.92 FC | 40.2 | 35.0 | 165.8 | 136.2 |
| 20.00 | 3.79 FC | 50.2 | 43.8 | 207.2 | 170.2 |
| | | BEAM ANGLE | | FIELD ANGLE | |
| | | 102.9° | 95.2° | 158.1° | 153.6° |

| 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

Specifications and dimensions
subject to change without notice.

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RD: 02/05/2021