

Stripit Kit®

Cardinal Linear Light® Series

RedBird LED

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Using High Efficacy LEDs and power supplies, RedBird LED is proud to offer our newest LED retrofit, the **Stripit Kit® CORE® System**. Easy and quick to install, and covered by **10 Year Full Replacement Warranty**. Priced affordably and with efficacy levels of 190 lm/w the Stripit Kits' cost per lumen is one of the lowest in the industry. A snap-on Polycarbonate diffuser or clear lens is included with each strip.

Exceptional Thermal Management enabled via a permanent direct molecular fusing between the aluminum core PCB carrying the LEDs and the custom aluminum extrusion. This proprietary design feature delivers the **Lowest In-Situ Temperature levels** in the industry and a robust mechanical configuration. Based on our **LM80 and the ISTMT data**, the Energy Star TM-21 Lifetime **exceeds a million hours**.

RedBird's multi-volt (90-305 VAC) LED drivers provide active power factor correction and a discontinuous-current-mode of operation. Built with premium components, the Drivers operate at **94% Efficiency Levels**, PF=0.996; THD < 6%, and with an **MTBF Life Expectancy > 140,000 hours**. Continuous dimming and dim-to-off is available via the 0-10V control signal. Power options for the Constant Current Drivers range from 9 to 190 watts.

Direct Measurement of LED Driver Conversion efficiency with XITRON's 2802 2-Channel Power analyzer



Built in the USA with **100,000 hour lifetime and Ten Year Full System Replacement Warranty** With these levels of quality, efficiency and cool operating temperatures we are able to provide a comprehensive ten year full replacement warranty with no pro-rating or exhaustive list of exclusions. In addition, RedBird is one of the few companies that guarantees against color shifting within the stated L70 lifetimes. 100% Built in our ISO 9001 facility in Atlanta, GA. Most orders ship from Stock.



6 Quick Steps to Retrofit:

- ◆ *Remove exiting tubes, ballast (and tombstone terminals if desired)*
- ◆ *Connect driver output wires to the WAGO connector on the LED Strips*
- ◆ *Snap-on Diffuser or Lens to the LED Strips*
- ◆ *Mount LED Driver in Fixture*
- ◆ *Position LED Strips and fasten to fixture with self-drilling TEK-Screws provided*
- ◆ *Connect input power, turn on your upgraded Lights and enjoy!*

Fast and Easy Installation, only one tool required

The complete system has been designed to cut installation time and complexity to an absolute minimum. Freedom to locate the LED strips and the driver within the fixture allows optimizing the fit for each application. The installer simply positions strips as desired and mounts them with using provided TEK-Screws with a cordless 1/4" nut driver. This provides a positive mechanical attachment while the aluminum extrusion guarantees excellent thermal management regardless of any discontinuities in the fixture's mounting surface. No messy thermal grease, tapes or foam pads are required.

Low-profile Extrusions-Lens/Diffuser allow placement in close quarters. Compatible with wide array of fixtures including drop-in troffers, cove-lighting, wraps, signage, backlit panels, display case lighting, reach-in coolers and more. cULus listed for field installation as a retrofit product.



Check the DLC QPL to confirm listed Stripit Kit Models at <http://designlights.org/qpl>

Stripit Kit®

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| Stripit Kit® SPECIFICATIONS AND FEATURES | |
|---|---|
| Dimensions | 2' Strips 21.5" L X 0.88" W X 0.55" H 4' Strips 44.0" L X 0.88" W X 0.55" H |
| Standard CCTs | 3500K, 4100K, 5000K |
| CCT Tolerance | 3 McAdam Ellipse Range |
| CRI | > 85 |
| R9 | > 10 |
| D_{uv} | <0.002 |
| Driver Input Voltage | 90-305 VAC; 50-60 Hz Standard; 347- 480 VAC available |
| Driver Power Levels | 9, 12, 14, 18, 22, 28, 36, 44 Watts |
| Power Factor | 0.999 at 120 VAC; 0.967 at 277 VAC |
| THD | < 8% |
| Driver Efficiency | up to 94% |
| Dimming Option | 1-10 Volt Continuous dimming from 100% to < 10% |
| Sensor Compatibility | Occupancy, Ambient Light for Daylight harvesting, 1-10 Volt Control Input |
| LED Components | SMD Mid-Power Lumiled 2835C series |
| Lens/Diffuser Choices | Snap-on Polycarbonate Diffuser or Lens |
| Photometrics | IES files available on request |
| Efficacy | 190 Lumens/Watt LEDs |
| In-Situ Temperature Measurement Test (ISTMT) | 44.3° C (TM21 L70 > 1,000,000 hrs) |
| Operating Temp Range | -40° F to + 135° F |
| Certifications | |
| Standards | UL 1993, 1598, 1598B, 1598C, 8750, RoHS |
| DesignLights Consortium 84 Listings on QPL | Check DLC QPL to confirm Models listed http://designlights.org/qpl |
| Warranty | Ten Year Replacement Warranty covers LED Strips and Drivers |
| Rated Lifetime | 100,000 hrs |
| Manufacturing Location | Made-In-USA |

RedBird Drivers

Constant Current, Dim-to-Zero Option

| Model # | Watts | Lumens |
|----------------|-------|--------|
| RBD-9W-CC | 9 | 1,710 |
| RBD-14W-CC | 14 | 2280 |
| RBD-18W-CC | 18 | 3,420 |
| RBD-22W-CC | 22 | 4180 |
| RBD-28W-CC | 28 | 5,320 |
| RBD-36W-CC | 36 | 6,840 |
| RBD-44W-CC | 44 | 8,360 |
| Philips SS 95 | 95 | 18050 |
| Philips SS 190 | 190 | 36,100 |



| Kit Model # Designation for Ordering | | | | | Model # |
|--------------------------------------|----------------|------------|-----------------------------|---------------------|---------|
| Strip Length | Strips per Kit | Power | CCT: 3500K, 4100K, 5000K | Example Kit Name | |
| S4 | 2 | 28W | 41K | S4-2-28W-41K | |
| (4' strip) | | | | | |
| S2 | 3 | 22W | 35K | S2-3-22W-35K | |
| (2' strip) | | | | | |
| CC Driver | | | | | |

Optional Angle-Tilt for Hard-Mount

