

Stripit Kit[®] CORE[®]

RedBird LED

4020 Steve Reynolds BLVD

Duluth, GA 30093

678-RED-BIRD (733-2473)

www.redbirdled.com

info@redbirdled.com

07-10-2017

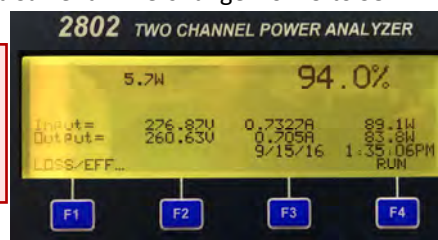


Using High Efficacy LEDs and power supplies, RedBird LED is proud to offer our newest LED retrofit, the **Stripit Kit[®] CORE[®] System**. Easy and quick to install, and covered by **10 Year Full Replacement Warranty**. Priced affordably and with efficacy levels of 190 lm/w the Stripit Kits' cost per 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 results in 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 L70 calculation shows > **1 million hours**.

RedBird's RBD series, 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 is available via the 1-10V control signal. Power options for the Constant Current Drivers range from 9 to 95 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 system 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. Manufactured in our ISO 9001 compliant facility in Atlanta, GA. Most orders ship within



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. (Optional Tilt Mount feature)**
- ◆ **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.

Slim, low-profile extrusion and snap-on polycarbonate lens or diffuser allow placement in close quarters

Enabling compatibility with a wide array of fixtures including drop-in troffers, cove-lighting, wraps, signage, backlit panels, display case lighting and more. UL listed for field installation as a retrofit product for both the US and Canada.



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



RedBird LED



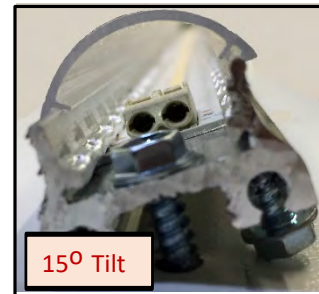
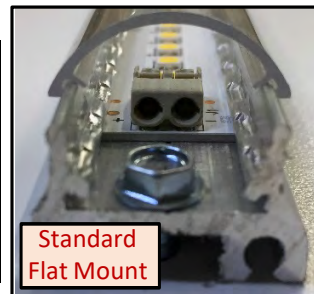
Stripit Kit[®] CORE[®] 07-10-2017

Stripit Kit [®] CORE [®] 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, 4000K, 5000K
CCT Tolerance	3 McAdam Ellipse Range
CRI	> 85
R9	> 10
<i>D_{uv}</i>	<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, 88 Watts
Power Factor	>0.95
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 Level Options	190 Lumens/Watt LEDs
In-Situ Temperature Measurement Test (ISTMT)	33.7° C (TM21 L70 > 1,000,000 hrs)
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

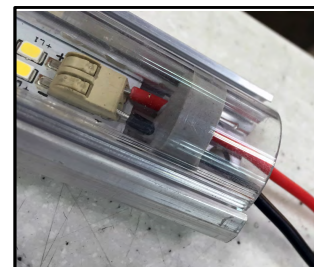
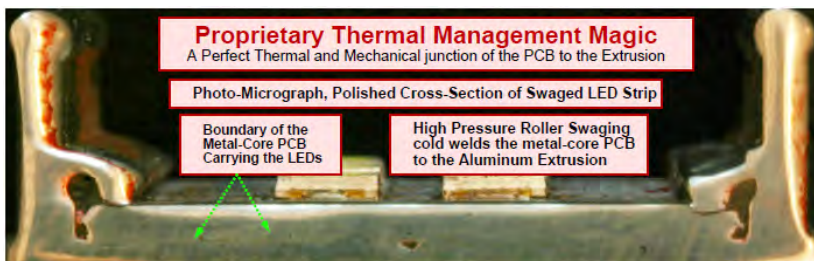
RBD Driver Series		
Constant Current, Optional 0-10 V Dimmable		
Model	Watts	Lumens @ 190 lms/w
RBD-9W-CC	9	1,710
RBD-12W-CC	12	2,280
RBD-14W-CC	14	2,660
RBD-18W-CC	18	3,420
RBD-22W-CC	22	4,180
RBD-28W-CC	28	5,320
RBD-36W-CC	36	6,840
RBD-44W-CC	44	8,360
RBD-72W-CC	72	13,680
RBD-88W-CC	88	16,720



Angle-Tilt mounting feature



Kit Model # Designation for Ordering					Model #
Strip Length	Strips per Kit	Power	CCT: 3500K, 4100K, 5000K	Example Kit Name	
S4	2	28W	40K	S4-2-28W-40K	
(strip)					
S2	3	22W	35K	S2-3-22W-35K	
(2' strip)		CC Driver			



Optional Silicone End-Plug to Seal Strips Against Dust, Water, Bugs etc.