

Ultra-Stripit-Kit®



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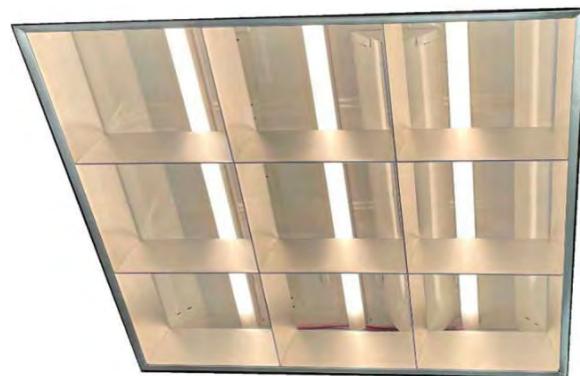
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Redbird's Ultra-Stripit-Kits® (USK) employ the industry's highest performance LEDs and drivers, achieving system efficacy levels over 190 lumens/watt. With factory-direct pricing, the Ultra-Stripit-Kits® deliver the highest lumens/dollar of all LED retrofit products available today. Built in our factory in Georgia, all RedBird products are BAA and BABA compliant. For fixtures being retrofitted that do not have built-in diffusers, RedBird offers crystal-clear lenses or frosted diffusers that snap onto the strips and optional silicone end plugs to stop dust, moisture, and insect contamination of the LEDs.

All RedBird products carry an unrestricted "**Ten-Year Full Replacement Warranty**". The Ultra-Stripit-Kit® proprietary design permanently bonds our aluminum core PCB into a custom aluminum extrusion which creates both a physically rugged strip and excellent thermal management. These design features keep the LEDs extra cool, with In-Situ Temperature Measurement Test (ISTMT) results below 46°C. With our choice of the best LEDs operating at this cool temperature, the LED Lifetime projection by the Energy-Star, TM-21 algorithm, shows an L90 point of 56,000 hours and an L70 point > 100,000 hours. Similarly, our high efficiency drivers have a Mean-Time-Before-Failure (MTBF) rating of > 100,000 hours. These design choices are why our in-field failure rate is < .00012 % based on more than 200,000 units installed.



The Ultra-Stripit-Kit® system provides a fast and seamless installation. Depending on specific fixtures being upgraded, typical installation time is 20 to 40 minutes. When needed, custom designed belly pan cover kits can be provided with the USK mounted at the factory. All RedBird products carry UL or TUV safety certifications. Independent test reports are available on request.

Steps to Install

- 1) Remove lens/grill from fixture
- 2) Remove old light modules and driver
- 3) Mount new USK LED driver
- 4) Install USK Strips in fixture
- 5) Connect driver to strips
- 6) Replace lens/grill as desired



Visit <https://designlights.org/qpl/>
to confirm models Listed

Ultra-Stripit-Kit® SPECIFICATIONS AND FEATURES	
Dimensions	2' Strips: 22.25" L X 0.88" W X 0.55" H 4' Strips: 44.50" L X 0.88" W X 0.55" H
Standard CCTs	2700K, 3000K, 3500K, 4000K, 5000K (5700K and 6500K by request)
CCT Tolerance	3 McAdam Ellipse Range
CRI	83 (CRI>90 and CRI>95 by request)
R9	14
Duv	<0.0002
Driver Input Voltage	90-305 VAC; 50-60 Hz Standard; 347- 480 VAC available
Lumen Output	2876 – 18800; User Specified
Power Factor	>0.97 at 120 VAC; >0.95 at 277 VAC
THD	<8%
Driver Efficiency	up to 93%
Dimming Option	0-10 Volt dimming from 100% to < 10%, Dim to Off on D15, D21, D23, D30
Sensor Compatibility	Occupancy, ambient light for daylight harvesting, 0-10 Volt control input
LED Components	CREE G-Class PRO9 2835 (225 LPW)
Lens/Diffuser	Polycarbonate diffuser or clear lens
Photometrics	IES files available on request
Efficacy	Up to 190 Lumens/Watt Efficacy
In-SituTemperature Measurement Test (ISTMT)	44.2° C LED; 45.3° C Driver TM21 L70 > 100,000 hrs; L90=56,000 hrs
Operating Temp	-30° to 110° Fahrenheit
Standards	UL 1993, 1598C, 8750, RoHS, class P Drivers
DesignLights Consortium	Check DLC QPL to confirm models listed at http://designlights.org/qpl
Warranty	Ten-year replacement warranty for all LED strips and drivers
 MADE IN USA	BAA and BABA Compliant

Ultra-Stripit-Kit® Driver Selection		
Model #	Watts (selectable)	Lumen Output
45.60*	15 to 20	2876 to 3835
70.85*	24 to 29	4474 to 5473
D15**	16 to 47	3008 to 8950
D21**	29 to 76	5452 to 14382
D23**	50 to 100	9400 to 18800
D30**	75 to 100	14000 to 19000

*User Selectable by Switches on Driver

**Factory Programmable to Customer's Needs



Field Selectable Drive Current on 45.60 and 70.85 Drivers



Programmable D15 Driver (16 to 47.6 Watts)



Programmable D21 Driver (29 to 76.5 Watts)



Programmable D23 Driver (50 to 95 Watts)



Programmable D30 Driver (50 to 95 Watts)



Optional Silicone End Plug

Kit model # designation for ordering

USK#-S#-CC.CC-##K-L### or USK#-S#-D##-##K-L### examples below

USK4 =4' Strips and USK2=2' strips;

S# = Number of Strips in Kit; 1, 2, 3, or 4 Strips;

CC.CC = mA drive range for switch selectable by installer; for example, 70.85 =>700 mA to 850 mA (23.8 to 28.9 watts)

Or D## = Programmable Driver as in table above; D15(16-47.6 W) D21(29-76 W); D23(50-90 W) ; D30(75-100 W)

Where range in Watts of the programmable Drivers is as shown in the table above (Watts = mA/1000 X 32 Volts) 32 Volts is the Vf of the LED Strips

##K = Correlated Color Temperature (CCT) where 27K, 30K, 35K, 40K, 50K indicates {2700K, 3000K, 3500K, 4000K, 5000K};

L###= Number of LEDs on Strip, L36 or L72 for 2' strip, L72 or L144 for 4' Strip

Product Naming Example: USK2-2-45.60-40K-L72 means

Ultra Stripit Kit® with Two pcs 2' strips in kit; One 45.60 Driver, switch selectable for 450, 500, 550, or 600 mA; LED CCT =4000K; 72 LEDs/ 2' strip ; Typical kit for 2X2 Troffer, switch set for 500mA, (16 watts) 3200 Lumens

Product Naming Example: USK4-4-D21(2250 mA)-50K-L144 means

Ultra Stripit Kit® with 4' strips; 4 strips in kit; Driver is D21, Factory programmed for 2250 mA (76.5 watts) LED CCT=5000K, with 144 LEDs/4_Strip; Typical kit for high output 2X4 Troffer or Linear Highbay, delivering 14,382 lumens