

Select Series LED Magnetic Retrofit Kit

Product Specifications

TCP's Select Series LED Magnetic Retrofit Kits are designed to easily replace the fluorescent lamps and ballast in an existing fluorescent strip fixture with an integrated LED lighting solution.

These LED retrofit kits significantly reduce energy consumption compared to the existing fluorescent systems, providing instant energy savings along with the ability to take advantage of potential utility rebates. A long 100,000 hour rated life significantly decreases maintenance labor and material costs over the life of the system.

TCP's LED Magnetic Retrofit Kits can be paired with an optional frosted diffuser cover to protect the LEDs and minimize glare, while delivering bright, uniform light.

Reasons to choose the Select Series LED Magnetic Retrofit Kits from TCP

- Uses up to 58% less energy than traditional fluorescent systems for instant energy savings and potential rebate eligibility
- 100,000 hour rated life minimizes replacements and labor costs
- 0-10V dimming driver comes standard for smooth, continuous dimming
- Excellent color consistency and CRI enhance color of focal point while maintaining uniformity throughout a lighting installation
- Mercury-free construction is great for all environments
- Magnetic application makes it easy to retrofit a wide variety of fixtures

Ideal Applications

- General Lighting
- Task Lighting
- Aisles
- Warehouses
- Storage
- Manufacturing Facilities
- Retail

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DLC QPL LISTED PREMIUM

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5 YEAR WARRANTY

To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl.

Select Series Magnetic Retrofit Kits

Applications

The Select Series Magnetic Retrofit Kit by TCP is a versatile solution for endless applications. Factories, hospitals, warehouses, office lighting, general lighting, strip lighting and ceiling fixtures are just a few of the places the kits can be used. The kits are quick to install and will provide a long lasting durable light source for years to come.

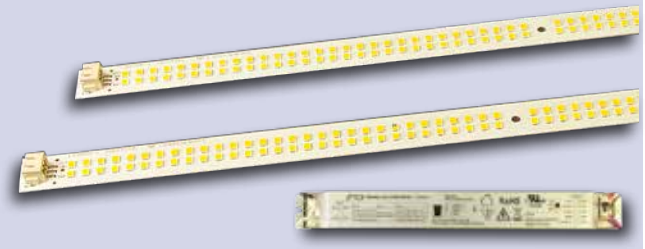
Construction

- Magnetic mount option provides for quick field installation
- Can be used in a variety of luminaires

Electrical

- Above-the-ceiling access is not required for installation
- 100,000 hour rated life
- 120V-277V driver with optional 0-10V dimming
- Easily convert fluorescent troffer and strip luminaires to LED for instant energy savings
- High Efficacy up to 150 lumens per watt

Item Number	
Notes	Type



Listings
UL and CUL Classified
RoHS Compliant
DLC Premium
L90>60,000 Hours

Warranty
Five year limited warranty against defects in manufacturing.

Catalog Ordering Matrix

FAMILY	# OF STRIPS	LENGTH	VOLTAGE	CONTROLS	WATTAGE[1,2]	COLOR TEMPERATURE
RK – LED Retrofit Kit	**2** – Strips	**2** – 21" **3** – 32" **4** – 43"	**U** – 120-277V	**ZD** – 0-10V Dimming	**SW2** – 18/25/30W (2800/3700/4600L)	**CCT** – 3500K/4100K/5000K Selectable
					SW4 – 29/39/46W (4500/5400/6700L)	

[1] Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.
[2] Actual wattage may differ by +/- 10%.

Accessories:

Item Number	Description
RK2CVR	2FT FROSTED MAG STRIP COVER
RK3CVR	3FT FROSTED MAG STRIP COVER
RK4CVR	4FT FROSTED MAG STRIP COVER

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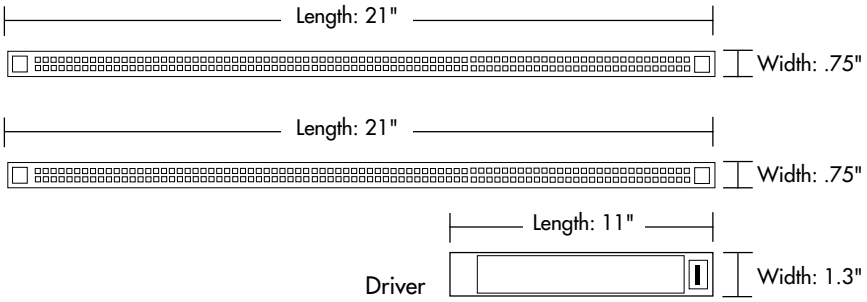
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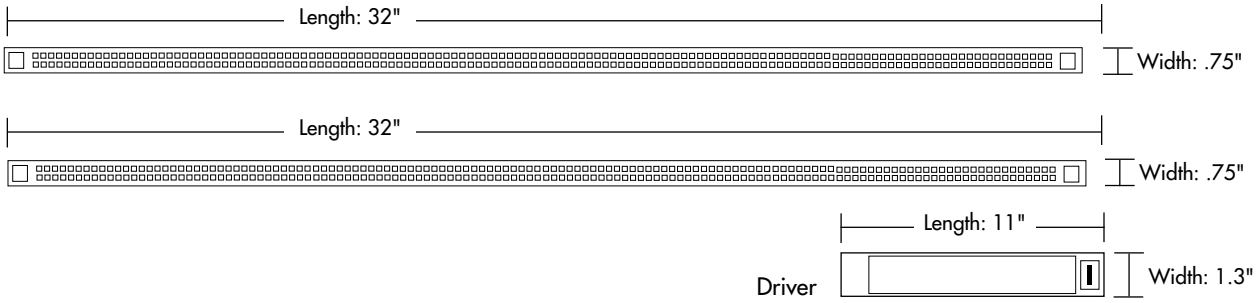
Select Series
Magnetic Retrofit Kits

Dimensions

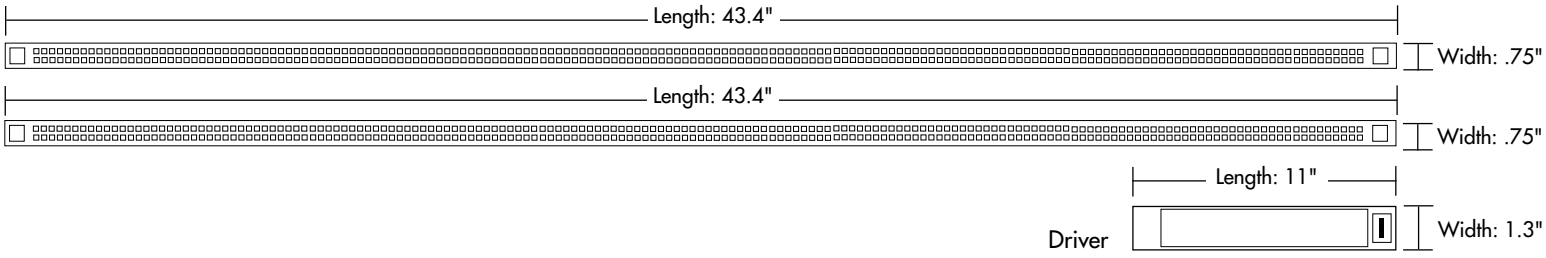
RK22UZDSW*CCT



RK23UZDSW*CCT



RK24UZDSW*CCT



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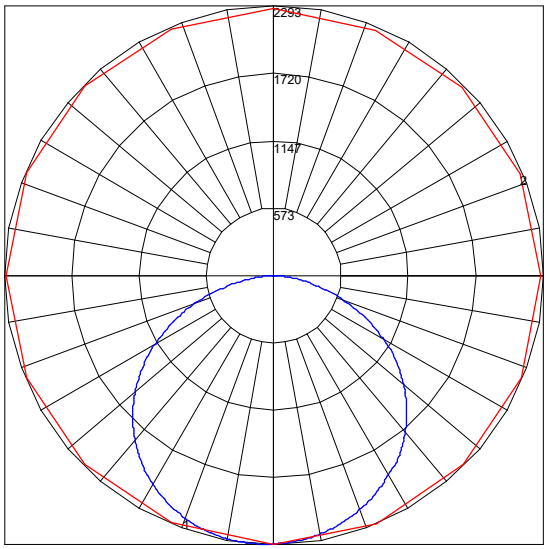
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Photometric Report

Photometrics taken from RK22UZDSW4CCT when set at 46W and 3500K CCT.

Polar Graph



Maximum Candela = 2293.1 Located At Horizontal Angle = 270, Vertical Angle = 3.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)

Characteristics

Luminaire Lumens	6918
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	47.2946
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Point

Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10		0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	841.06	12.20	12.20
0-30	1801.81	26.00	26.00
0-40	2987.35	43.20	43.20
0-60	5406.68	78.20	78.20
0-80	6796.57	98.20	98.20
0-90	6913.43	99.90	99.90
10-90	6697.09	96.80	96.80
20-40	2146.30	31.00	31.00
20-50	3405.46	49.20	49.20
40-70	3312.58	47.90	47.90
60-80	1389.89	20.10	20.10
70-80	496.64	7.20	7.20
80-90	116.86	1.70	1.70
90-110	1.31	0.00	0.00
90-120	1.73	0.00	0.00
90-130	2.22	0.00	0.00
90-150	3.33	0.00	0.00
90-180	4.40	0.10	0.10
110-180	3.09	0.00	0.00
0-180	6917.83	100.00	100.00

Total Luminaire Efficiency = 100.00%

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TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 30 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

Sales:	Catalog Number:
Date:	Type:
Model:	Notes:
Project:	
Rep:	

TCP® we know light.™

For more information on the quality and care TCP can deliver, call us at 800.324.1496 or visit tcpi.com

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