

Retrofit Magnetic Strips

T5,T7



The WL- RTST - series 2ft and 4ft LED retrofit strip kits deliver up to 130&160LPW,while achieving up to CRI 80. The innovative kit is designed for retro-fitting existing troffer AND strip luminaires. The kits is easy to install and fits into almost any existing linear fixture via magnets ,making it a perfect upgrade option where energy savings and long life,without the added renovation labor and waste.

T5 Size PC LENS 130lm/W	Length	Wattage /1 Strip	Strips Q'ty	Total Power	Nominal Efficacy	Lumen	CCT Single	Input Voltage	Dimming	CRI
WL-RTST2220D(xxxxK)	2'	10W	2	20W	130lm/w	2600lm	3500K 4000K 5000K	AC120-277V	0-10V	Ra>80
WL-RTST2330D(xxxxK)	2'	10W	3	30W		3900lm				
WL-RTST124D(xxxxK)	4'	24W	1	24W		3120lm				
WL-RTST224D(xxxxK)	4'	12W	2	24W		3120lm				
WL-RTST230D(xxxxK)	4'	15W	2	30W		3900lm				
WL-RTST240D(xxxxK)	4'	20W	2	40W		5200lm				
WL-RTST345D(xxxxK)	4'	15W	3	45W		2600lm				
WL-RTST460D(xxxxK)	4'	15W	4	60W		3900lm				
WL-RTST480D(xxxxK)	4'	20W	4	80W		3120lm				
WL-RTST224D-HV(xxxxK)	4'	12W	2	24W		3120lm		AC120- 347V		
WL-RTST230D-HV(xxxxK)	4'	15W	2	30W		3900lm				
WL-RTST240D-HV(xxxxK)	4'	20W	2	40W		5200lm				

Retrofit Magnetic Strips

T5,T7

WISDOM LIGHT

T5 Size OPTIC LENS UGR<22 150-160lm/W	Length	Wattage /1 Strip	Strips Q'ty	Total Power	Nominal Efficacy	Lumen	CCT Single	Input Voltage	Dimming	UGR	CRI
WL-2RTST2215D(XXXXK)	2'	7.5W	2	15W	155lm/w	2325lm	3500K 4000K 5000K	AC120-277V	0-10V	<22	Ra>80
WL-2RTST2330D(XXXXK)	2'	10W	3	30W	150lm/w	4500lm					
WL-2RTST115D(XXXXK)	4'	15W	1	15W	155lm/w	2325lm					
WL-2RTST124D(XXXXK)	4'	24W	1	24W	145lm/w	3480lm					
WL-2RTST224/30/40D(XXXXK)	4'	12W/15W/ 20W Select	2	24W/30W/ 40W Select	150lm/w- 160lm/w	3840/4650/ 6000lm					
WL-2RTST248D(XXXXK)	4'	24W	2	48W	145lm/w	6960lm					
WL-2RTST345D(XXXXK)	4'	15W	3	45W	155lm/w	6975lm					
WL-2RTST460D(XXXXK)	4'	15W	4	60W	155lm/w	9300lm					
WL-2RTST480D(XXXXK)	4'	20W	4	80W	150lm/w	12000lm					

T5 Size OPTIC LENS UGR<22 3CCT 130lm/W	Length	Wattage /1 Strip	Strips Q'ty	Total Power	Nominal Efficacy	Lumen	CCT Single	Input Voltage	Dimming	UGR	CRI
WL-2RTST2220D(35K/40K/50K)	2'	10W	2	20W	130lm/w	2600lm	3500K 4000K 5000K	AC120-277V	0-10V	<22	Ra>80
WL-2RTST224/30/40D(35K/40K/50K)	4'	12W/15W/ 20W Select	2	24W/30W/ 40W Select		3840/4650/ 6000lm					
WL-2RTST460D(35K/40K/50K)	4'	15W	4	60W		7800lm					

T7 Size OPTIC LENS UGR<22 130lm/W	Length	Wattage /1 Strip	Strips Q'ty	Total Power	Nominal Efficacy	Lumen	CCT Single	Input Voltage	Dimming	UGR	CRI
WL-2WRTST220D	4'	10W	2	20W	130lm/w	2600lm	3500K 4000K 5000K	AC120-277V	0-10V	<22	Ra>80
WL-2WRTST230D	4'	15W	2	30W		3900lm					
WL-2WRTST240D	4'	20W	2	40W		5200lm					
WL-2WRTST260D	4'	30W	2	60W		7800lm					
WL-2WRTST280D	4'	40W	2	80W		10400lm					

Retrofit Magnetic Strips

WISDOM LIGHT

T5,T7

Order Guide

Gen1 T5 130LM/W,PC LENS DLC STNADARD

Sample Model#: Magnetic-WL-RTST2230D-HV(4000K)

Magnetic	WL-RTST						
Luminaire ID	Series	Length Pattern	Number	Wattage	Dimming	CCT	Additional Function
Magnetic= Magnet Retrofit Strip Kits	WL-RTST= Gen1 T5 Retrofit Strip Kits	2=2FT BLANK =4FT	2= 2 strips 3= 3 strips 1= 1 strips 2= 2 strips 2= 2 strips 2= 2 strips 3= 3 strips 4= 4 strips 4= 4 strips 2= 2 strips 2= 2 strips 2= 2 strips	20=20W 30=30W 24=24W 24=24W 30=30W 40=40W 45=45W 60=60W 80=80W 24=24W 30=30W 40=40W	D=0-10V Dimming 120-277V D=0-10V Dimming 120-347V	3000K 3500K 4000K 5000K select	Blank= Non MS=Motion sensor EM =Emergency Driver B=Emergency Driver +Microwave sensor

Gen2 T5 150-160LM/W, OPTIC LENS,DLC PREMIUM URG<22

Sample Model#: Magnetic-WL-RTST2230D-HV(4000K)

Magnetic	WL-RTST						
Luminaire ID	Series	Length Pattern	Number	Wattage	Dimming	CCT	Additional Function
Magnetic= Magnet Retrofit Strip Kits	WL-2RTST= Gen2 T5 Retrofit Strip Kits	2=2FT BLANK =4FT	2= 2 strips 3= 3 strips 1= 1 strips 1= 1 strips 2= 2 strips 2= 2 strips 3= 3 strips 4= 4 strips 4= 4 strips	15=15W 30=30W 15=15W 24=24W 24/30/40W Select 48=48W 45=45W 60=60W 80=80W	D=0-10V Dimming 120-277V	3000K 3500K 4000K 5000K select	Blank= Non MS=Motion sensor EM =Emergency Driver B=Emergency Driver +Microwave sensor

Gen2 T5 130L_m/W,OPTIC LENS,DLC PREMIUM ,URG<22 3-CCT SELECT

Sample Model#: Magnetic-WL-2RTST2224D(35K/40K/50K)

Magnetic	WL-RTST						
Luminaire ID	Series	Length Pattern	Number	Wattage	Dimming	CCT	Additional Function
Magnetic= Magnet Retrofit Strip Kits	WL-2RTST= Gen2 T5 Retrofit Strip Kits	2=2FT BLANK =4FT	2= 2 strips 2= 2 strips 4= 4 strips	15=15W 24/30/40W Select 60=60W	D=0-10V Dimming 120-277V	35K/40K/50K= 3500K 4000K 5000K select	Blank= Non MS=Motion sensor EM =Emergency Driver B=Emergency Driver +Microwave sensor

Gen2 T7 130LM/W,OPTIC LENS,DLC PREMIUM ,URG<22

Sample Model#: Magnetic-WL-WL-2WRTST280D(4000K)

Magnetic	WL-RTST						
Luminaire ID	Series	Length Pattern	Number	Wattage	Dimming	CCT	Additional Function
Magnetic= Magnet Retrofit Strip Kits	WL-2WRTST= Gen2 T7 Retrofit Strip Kits	BLANK =4FT	2= 2 strips	20=20W 30=30W 40=40W 60=60W 80=80W	D=0-10V Dimming 120-277V	3000K 3500K 4000K 5000K select	Blank= Non MS=Motion sensor EM =Emergency Driver B=Emergency Driver +Microwave sensor

Product design and development is an ongoing process at Shenzhen Wisdom Light Co.,Ltd.

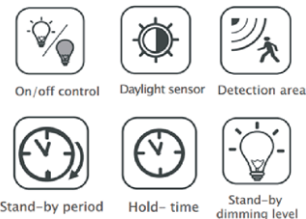
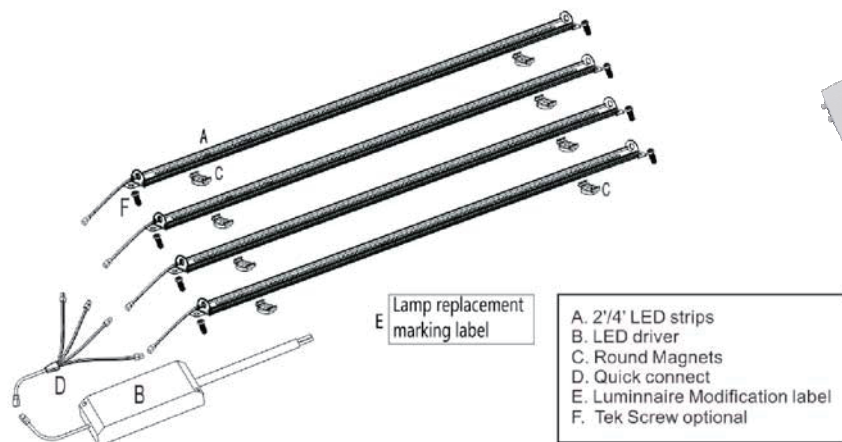
We reserve the right to change specifications.

Retrofit Magnetic Strips

T5,T7

WISDOM LIGHT

Getting Started



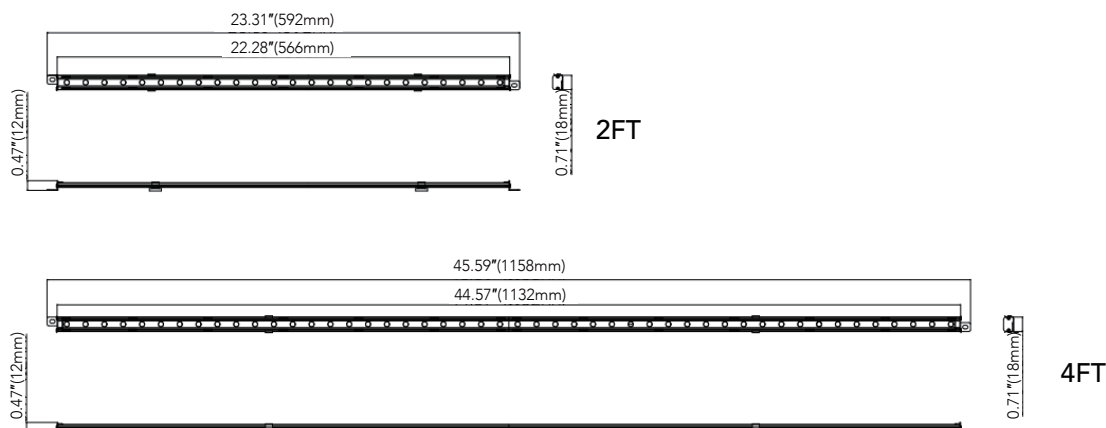
Sensor(Optional)



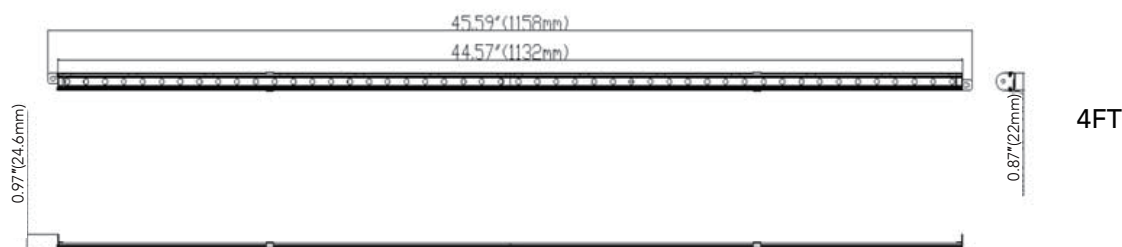
MCD=Mesh control Driver

Dimension

T5



T7



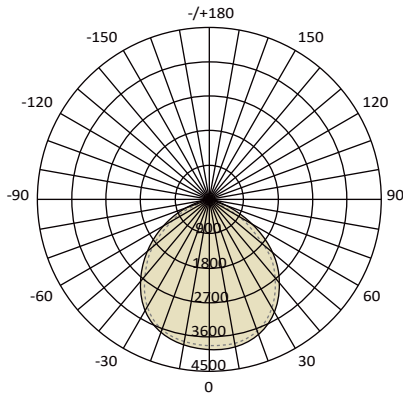
Retrofit Magnetic Strips

T5,T7

WISDOM LIGHT

Performance

Magnetic-WL-2RTST240-850
Magnetic-WL-2RTST/4'/2strips/40W/RA80/5000K



AVERAGE BEAM ANGLE (50%) : 79.3 DEG

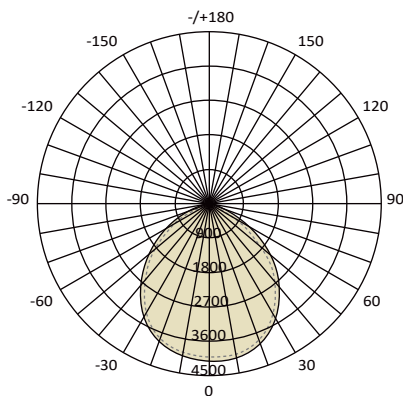
Lumen/ft: 1450.54lm/ft
Total Lumens:5802.19lm (for 4ft)
Input Watts: 38.3W
Efcacy:151.57lm/W

Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
10	3813	3806	3857	3949	4000
20	3442	3430	3498	3753	3886
30	2751	2747	2937	3265	3490
40	1104	1377	1739	2196	2515
50	89.64	111.2	159.1	546.5	900.7
60	45.84	58.95	84.51	89.63	95.94
70	41.25	38.44	61.08	52.37	41.72
80	52.35	24.38	32.68	26.74	32.79
90	17.91	14.82	1.981	15.21	17.88
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-10	376.2	376.2
10-20	1075	1451
20-30	1573	3024
30-40	1613	4637
40-50	812.5	5449
50-60	163.5	5613
60-70	67.45	5680
70-80	44.35	5725
80-90	23.11	5748

Luminance cd.lm 21		
G(DEG)	C0/180	C90/270
85	2834	1381
80	2242	1405
75	1556	1396
70	897	1333
65	653	1278
60	682	1262
55	814	1320
50	1037	1847
45	3170	8111

Magnetic-WL-2WRTST240-850
Magnetic-WL-2WRTST/4'/2strips/40W/RA80/5000K



AVERAGE BEAM ANGLE (50%) : 81.6 DEG

Lumen/ft: 1570.83lm/ft
Total Lumens:6283.35lm (for 4ft)
Input Watts: 41.6W
Efcacy:151.04lm/W

Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
10	4157	4150	4137	4135	4128
20	3928	3923	3889	3874	3814
30	3420	3388	3343	3307	3242
40	2427	2328	2165	2194	2075
50	370.4	520.8	478.7	434.9	252.3
60	64.77	110.5	143.4	115.7	79.50
70	24.01	45.50	77.21	49.92	24.59
80	65.27	15.61	33.59	15.66	37.11
90	1.037	0.9043	0.3508	0.0711	0.0705
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-10	397.5	397.5
10-20	1144	1541
20-30	1684	3226
30-40	1784	5010
40-50	961.8	5972
50-60	185.0	6157
60-70	78.75	6235
70-80	35.97	6271
80-90	9.682	6281

Luminance cd.lm 21		
G(DEG)	C0/180	C90/270
85	920	1507
80	5234	2686
75	1101	2893
70	977	3134
65	1131	3437
60	1804	3982
55	2987	5152
50	8024	10341
45	27159	24563

Retrofit Magnetic Strips

T5,T7

WISDOM LIGHT

Product Specifications

Construction

- Rigid, formed extrude aluminum with high-performance LED boards mounted directly for optimal thermal performance. Diffuse acrylic lens increases uniformity and controls brightness, WL- RTST - series is available in standard 2' and 4' configurations for increased flexibility in linear applications

Optics

- Optics lens, secondary optical design anti-glare anti-mosquito design

LED and Light Engine

- LED's are available in 3000K, 3500K, 4000K,5000K, single CCT, and available 3 CCT Selectable
- Long-life LED system coupled with electrical driver to deliver optimal performance
- Projected life is 100,000 at 75% lumen output
- Typical CRI ≥ 80

Mounting

- Universal magnetic design on both strips and drivers for easy positioning and alignment .
- Self-tapping Tek screws are included to nonmagnetic surface installation

Environment

- Suited for damp location installations.
- Operating temperature range: -25° C to 50° C

Compliance

- ETL for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- DesignLights Consortium® Qualified and classified for DLC Premium, refer to www.designlights.org for details and listed configurations.
- Can be used for State of California Title 24 high efficacy luminaire



Warranty

- Five year warranty standard. Optional ten year warranty available.