

ABOUT US



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DC Module



DC Linear Module - Indoor Lighting

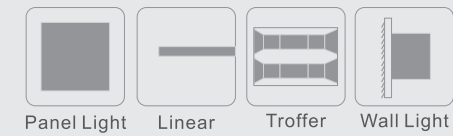
Zhaga series



Features:

- High performance-cost
- Perfect square light source
- Poke in wiring connectors
- Within 3-step MacAdam
- Various CCT available

Application:



Standard series

P/N	Size mm	Voltage -Vdc		Current -mA		Power -W Typ	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI -
		Typ	Max	Typ	Max						
RL-CM280x24A1203H007-8**	280*24	34.8	39.6	200	450	7	120	1050	155	2700	80
								1100	160	3000	
								1100	160	3500	
								1180	170	4000	
								1180	170	5000	
								1100	160	5700	
RL-CM560x24A1206H014-8**	560*24	34.8	39.6	400	900	14	120	2010	155	2700	80
								2200	160	3000	
								2200	160	3500	
								2360	170	4000	
								2360	170	5000	
								2200	160	5700	
RL-CM280x24A0409H007-8**	280*24	11.6	13.2	600	1350	7	120	1050	155	2700	80
								1100	160	3000	
								1100	160	3500	
								1180	170	4000	
								1180	170	5000	
								1100	160	5700	
RL-CM560x24A0809H014-8**	560*24	23.2	26.4	600	1350	14	120	2010	155	2700	80
								2200	160	3000	
								2200	160	3500	
								2360	170	4000	
								2360	170	5000	
								2200	160	5700	

Custom Design Available for All Products

Standard series

P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-CM560x20A1203N013-8**	560*20	36	38.4	350	450	13	120	1800	140	2700	80	
								1950	150	3000		
								2080	160	4000		
								2080	160	5000		
								2080	160	5700		
RL-CM280x20A0603N007-8**	280*20	18	19.2	350	450	6.5	120	900	140	2700	80	
								950	150	3000		
								1000	160	4000		
								1000	160	5000		
								1000	160	5700		
RL-CM560x20A0606N013-8**	560*20	18	19.2	700	900	13	120	1800	140	2700	80	
								1950	150	3000		
								2080	160	4000		
								2080	160	5000		
								2080	160	5700		
RL-CM280x20A0306N007-8**	280*20	9	9.6	700	900	6.5	120	900	140	2700	80	
								950	150	3000		
								1000	160	4000		
								1000	160	5000		
								1000	160	5700		

Ultra-high performance-cost series

P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-CM560x20A1003L015-8**	560*20	30	33	450	450	15	120	1800	120	2700	80	
								1900	133	3000		
								2000	133	4000		
								2000	133	5000		
								2000	133	5700		
RL-CM280x20A0503L007-8**	280*20	15	16.5	450	450	7.5	120	900	120	2700	80	
								950	133	3000		
								1000	133	4000		
								1000	133	5000		
								1000	133	5700		

High efficiency series

P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-CM560x24A1206H010-8**	560*24	33	37.2	300	900	10	120	1900	190	3000	80	
								2000	200	4000		
								2000	200	5000		
								2000	200	5700		
								950	190	3000		
RL-CM280x24A1203H005-8**	280*24	33	37.2	150	450	5	120	1000	200	4000	80	
								1000	200	5000		
								1000	200	5700		
								1900	190	3000		
								2000	200	4000		
RL-CM560x24A0809H010-8**	560*24	22	24.8	450	1350	10	120	2000	200	4000	80	
								2000	200	5000		
								2000	200	5700		
								950	190	3000		
								1000	200	4000		
RL-CM280x24A0409H005-8**	280*24	11	12.4	450	1350	5	120	1000	200	4000	80	
								1000	200	5000		
								1000	200	5700		
								1900	190	3000		
								2000	200	4000		

Custom Design Available for All Products

High efficiency series

P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-CM560x40A1208H014-8**	560*40	34.8	39.6	400	1200	14	120	2702	193	3000	80	
								2744	196	3500		
								2800	200	4000		
								2842	203	5000		
								2898	207	5700		
RL-CM280x40A1204H007-8**	280*40	34.8	39.6	200	600	7	120	1350	193	3000	80	
								1380	196	3500		
								1400	200	4000		
								1420	203	5000		
								1445	207	5700		
RL-CM560x40A0812H014-8**	560*40	23.3	24	600	1800	14	120	2702	193	3000	80	
								2744	196	3500		
								2800	200	4000		
								2842	203	5000		
								2898	207	5700		
RL-CM280x40A0412H007-8**	280*40	11.6	12	600	1800	7	120	1350	193	3000	80	
								1380	196	3500		
								1400	200	4000		
								1420	203	5000		
								1445	207	5700		

24VDC high efficiency series

P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-VM600x24A0712H005-8**	600*24	24	28	210	/	5	120	950	190	2700	80	
								975	195	3000		
								1000	200	3500		
								1000	200	4000		
								1000	200	5000		
RL-VM600x24A0712H010-8**	600*24	24	28	420	/	10	120	1000	200	5700	80	
								1950	185	2700		
								1950	190	3000		
								1950	195	3500		
								1950	195	4000		
								1950	195	5000		
								1950	195	5700		

Custom Design Available for All Products

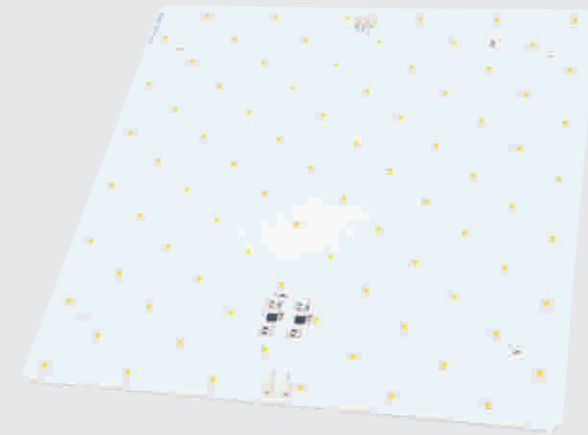
24VDC standard series

P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-VM600x24A0706N008-8**	600*24	24	28	330	/	8	120	920	115	2700	80	
								960	120	3000		
								1000	125	3500		
								1000	125	4000		
								1000	125	5700		
RL-VM600x24A0706N016-8**	600*24	24	28	660	/	16	120	1750	110	2700	80	
								1800	115	3000		
								1900	120	3500		
								1900	120	4000		
								1900	120	5700		
RL-VM600x24A0706H008-8**	600*24	24	28	330	/	8	120	1120	140	2700	80	
								1200	150	3000		
								1280	160	3500		
								1280	160	4000		
								1280	160	5700		
RL-VM600x24A0706H016-8**	600*24	24	28	660	/	16	120	2000	125	2700	80	
								2080	130	3000		
								2240	140	3500		
								2240	140	4000		
								2240	140	5700		

Custom Design Available for All Products

DC Square Module - Indoor Lighting

Zhaga series



Features:

High performance-cost
Perfect square light source
Poke in wiring connectors
Within 3-step MacAdam
Various CCT available

Application:



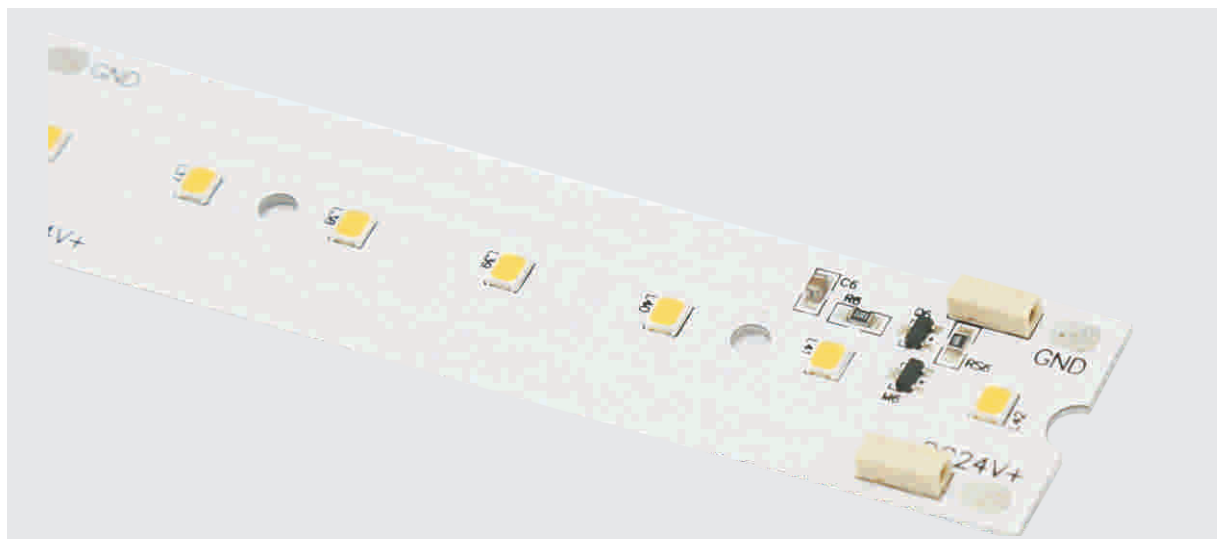
Panel

Standard series

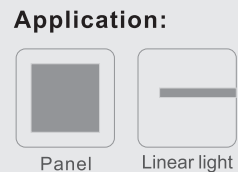
P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux Lm	Efficiency Lm/W	CCT K	CRI -
	mm		Typ	Max	Typ	Max						
RL-CM260x260A1207H010-8**	260*260	33	34.2	300	1050	10	120	1850	185	2700	80	
								1900	190	3000		
								2000	200	4000		
								2000	200	5000		
								2000	200	5700		
RL-CM260x260A1207N013-8**	260*260	35.4	37.2	350	420	13	120	1800	140	2700	80	
								1900	145	3000		
								2000	160	4000		
								2000	160	5000		
								2000	160	5700		
RL-CM260x260A1207L016-8**	260*260	37.2	38.4	420	420	16	120	1800	110	2700	80	
								1900	115	3000		
								2000	125	4000		
								2000	125	5000		
								2000	125	5700		

Custom Design Available for All Products

Fresh Lighting DC Module



- Features:**
- High performance-cost
 - Perfect square light source
 - Poke in wiring connectors
 - Within 3-step MacAdam
 - Various CCT available



24VDC series - Fresh lighting

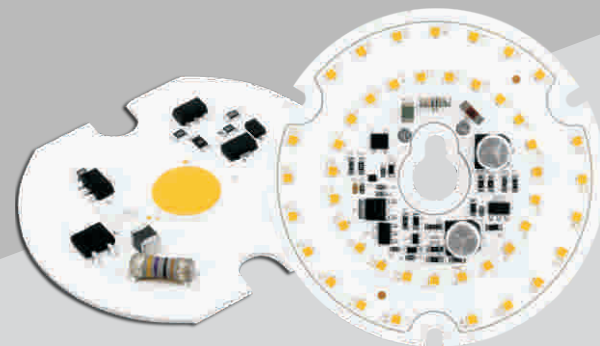
P/N	Size		Voltage -Vdc		Current -mA		Power -W	Beam-angle	Flux	Efficiency	CCT	CRI	XY	
	mm		Typ	Max	Typ	Max							Typ	
Beef and Bacon									870	58	1800	85	0.5072	0.3587
Bread and Cake									1080	72	2200	90	0.4949	0.4038
Fresh meat									915	61	3000	70	0.3882	0.313
Frozen meat	600*24		24	28	600	/	15	120	930	62	3300	80	0.3816	0.3156
Vegetables & Fruit									1470	98	3000	95	0.4186	0.3841
Vegetables & Fruit									1650	110	4000	90	0.372	0.3674
Seafood									1680	112	6000	90	0.3416	0.3411
Frozen Seafood									1380	92	6500	95	0.3174	0.3291

Custom Design Available for All Products

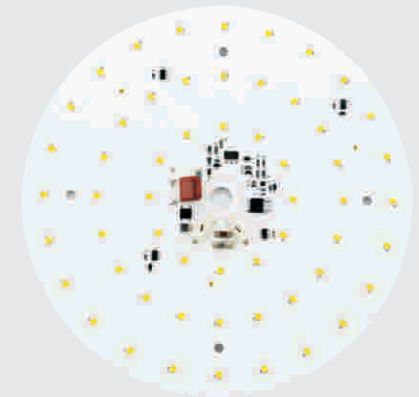




AC Module



230V Round Module - Down Light & Ceiling



CE RoHS

Features:

AC 230V input directly
EMI compliance
THDI<15%
Surge protection : 2.5KV
High-pot level : 1.5KV
Ultra-low Flicker<1.5%

Application:



Downlight



Ceiling



Pendant



Wall Light

Flicker - Free series

P/N	Size mm	Input Vac	Power W	PF -	Flicker %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Dimming -
RL-HMD70A2801H016-8**FF	70	230	16	0.9	<1.5	120	1440	90	2700	80	TRIAC
							1520	95	3000		
							1600	100	4000		
							1600	100	5000		
							1600	100	5700		
RL-HMD100A2802H016-8**FF	100	230	16	0.9	<1.5	120	1520	95	2700	80	TRIAC
							1600	100	3000		
							1760	110	4000		
							1760	110	5000		
							1760	110	5700		
RL-HMD180A2802H023-8**FF	180	230	23	0.9	<1.5	120	2000	90	2700	80	TRIAC
							2150	95	3000		
							2300	100	4000		
							2300	100	5000		
							2300	100	5700		

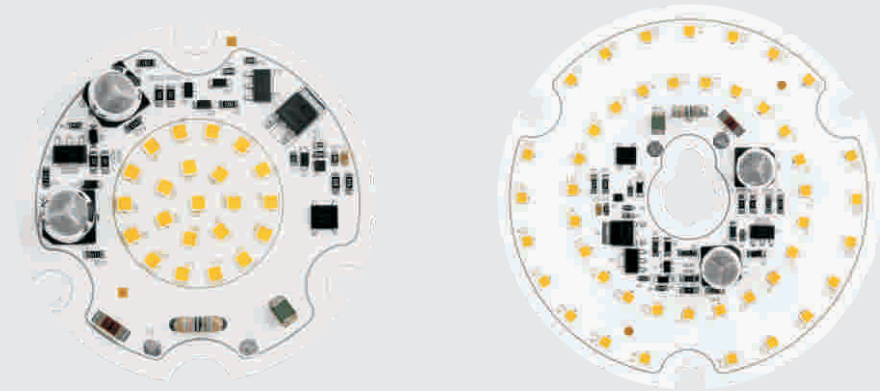
Custom Design Available for All Products

TRIAC Dimming series

P/N	Size mm	Input Vac	Power W	PF -	THD %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Dimming -
RL-HMD70A2801H016-8**TB	70	230	16	0.95	<1.5	120	1600	100	2700	80	TRIAC
							1680	105	3000		
							1760	110	4000		
							1760	110	5000		
							1760	110	5700		
RL-HMD100A2802H016-8**TB	100	230	16	0.95	<1.5	120	1680	105	2700	80	TRIAC
							1760	110	3000		
							1920	120	4000		
							1920	120	5000		
							1920	120	5700		
RL-HMD180A2802H023-8**TB	180	230	23	0.95	<1.5	120	2300	100	2700	80	TRIAC
							2400	105	3000		
							2500	110	4000		
							2500	110	5000		
							2500	110	5700		

Custom Design Available for All Products

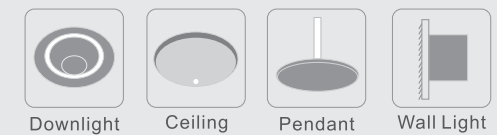
120V Round Module - Down Light & Ceiling



Features:

AC 120V input directly
EMI compliance
THDI<15%
Surge protection : 2.5KV
High-pot level : 1.5KV
Ultra-low Flicker<1.5%

Application:



Flicker - Free series

P/N	Size mm	Input Vac	Power W	PF -	Flicker %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Dimming -
RL-LMD70A1402H009-8**FF	70	120	9	0.9	<1.5	120	810	90	2700	80	TRIAC
							855	95	3000		
							900	100	4000		
							900	100	5000		
							900	100	5700		
RL-LMD100A1404H009-8**FF	100	120	9	0.9	<1.5	120	855	95	2700	80	TRIAC
							900	100	3000		
							990	110	4000		
							990	110	5000		
							990	110	5700		
RL-LMD180A1404H015-8**FF	180	120	15	0.9	<1.5	120	1350	90	2700	80	TRIAC
							1425	95	3000		
							1500	100	4000		
							1500	100	5000		
							1500	100	5700		

Custom Design Available for All Products

230V Linear Module - Indoor Linear Lighting

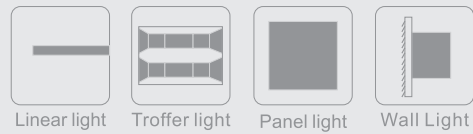
AC Module



Features:

- AC 230V input directly
- EMI compliance
- THDI<15%
- Surge protection : 2.5KV
- High-pot level : 1.5KV
- ODD THDI compliance

Application:



TRIAC Dimming series

P/N	Size mm	Input Vac	Power W	PF	THD %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI	Dimming
RL-HM280×30A2801H009-8**TB	280*30	230	9	0.95	<10	120	990	110	2700	80	TRIAC
							1035	115	3000		
							1080	120	4000		
							1080	120	5000		
							1080	120	5700		
RL-HM280×30A2801H016-8**TB	280*30	230	16	0.95	<10	120	1600	100	2700	80	TRIAC
							1580	105	3000		
							1760	110	4000		
							1760	110	5000		
							1760	110	5700		

Flicker - Free series

P/N	Size mm	Input Vac	Power W	PF	Flicker %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI	Dimming
RL-HM280×40A2801H009-8**FF	280*40	230	9	0.9	<1.5	120	855	95	2700	80	TRIAC
							900	100	3000		
							945	105	4000		
							945	105	5000		
							945	105	5700		
RL-HM280×40A2801H016-8**FF	280*40	230	16	0.9	<1.5	120	1440	90	2700	80	TRIAC
							1520	95	3000		
							1600	100	4000		
							1600	100	5000		
							1600	100	5700		

Custom Design Available for All Products

120V Linear Module - Indoor Linear Lighting

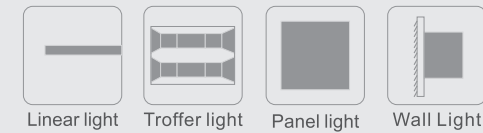
AC Module



Features:

- AC 120V input directly
- EMI compliance
- THDI<15%
- Surge protection : 2.5KV
- High-pot level : 1.5KV
- Low Flicker<28%(Title 24)

Application:



Low Flicker series

P/N	Size mm	Input Vac	Power W	PF	THD %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI	Dimming
RL-LM280×30A2201H009-8**FB	280*30	120	9	0.95	<10	120	810	90	2700	80	TRIAC
							855	95	3000		
							900	100	4000		
							900	100	5000		
							900	100	5700		
RL-LM280×30A2201H016-8**FB	280*30	120	16	0.95	<10	120	1280	80	2700	80	TRIAC
							1360	85	3000		
							1440	90	4000		
							1440	90	5000		
							1440	90	5700		

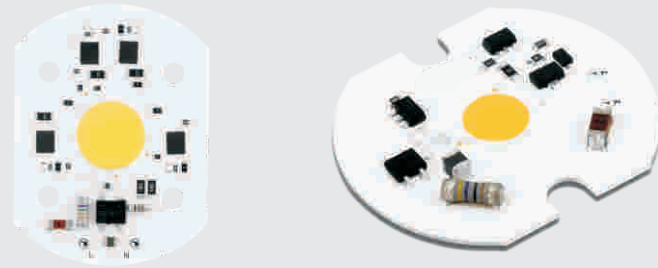
Flicker-Free series

P/N	Size mm	Input Vac	Power W	PF	Flicker %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI	Dimming
RL-LM280×40A1402H005-8**FF	280*40	120	5	0.9	<1.5	120	475	95	2700	80	TRIAC
							500	100	3000		
							525	105	4000		
							525	105	5000		
							525	105	5700		
RL-LM280×40A1402H010-8**FF	280*40	120	10	0.9	<1.5	120	900	90	2700	80	TRIAC
							950	95	3000		
							1000	100	4000		
							1000	100	5000		
							1000	100	5700		

Custom Design Available for All Products

DOB Module - Down Light & Spot Light

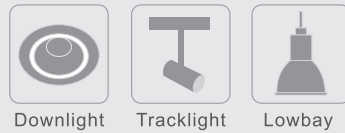
AC Module



Features:

- AC 230V input directly
- EMI compliance
- THDI<15%
- Surge protection : 2.5KV
- High-pot level : 1.5KV
- CRI:80/90 options

Application:



Standard series

P/N	Size mm	Input Vac	Power W	PF	THD %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI
RL-TOD4036A0005HV-8**	40*36	230	5	0.95	<15	120	450	90	2700	80
							475	95	3000	
							500	100	4000	
							500	100	5000	
							900	90	2700	
RL-TOD4036A0010HV-8**	40*36	230	10	0.95	<15	120	950	95	3000	80
							1000	100	4000	
							1000	100	5000	
							1000	100	5700	
							1800	90	2700	
RL-TOD4257A0020HV-8**	42*57	230	20	0.95	<15	120	1900	95	3000	80
							2000	100	4000	
							2000	100	5000	
							2000	100	5700	
							2700	90	2700	
RL-TOD4257A0030HV-8**	42*57	230	30	0.95	<15	120	2850	95	3000	80
							3000	100	4000	
							3000	100	5000	
							3000	100	5700	
							3000	100	5700	

Flicker-Free series

P/N	Size mm	Input Vac	Power W	PF	Flicker %	Beam-angle °	Flux Lm	Efficiency Lm/W	CCT K	CRI
RL-TOD5LZXCEL0HV-8**FF	54*72	230	30	0.9	<1.5	120	2400	80	2700	80
							2550	85	3000	
							2700	90	4000	
							2700	90	5000	
							2700	90	5700	

Custom Design Available for All Products

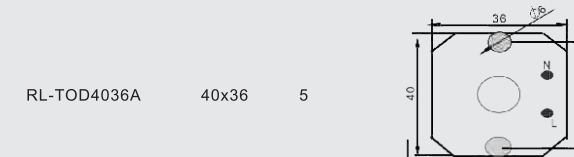
DOB Cover and Reflector

AC Module



standard series

P/N	size mm	Power w	Cover Pic.	Reflector Angle	size(mm)
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RL-TOD4036A

40x36

5

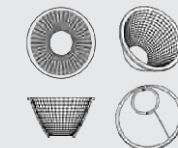
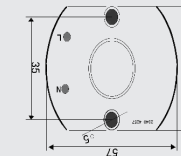
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RL-TOD4257A

42x57

20

30



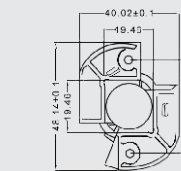
- 24° 69*27*H36.1mm
- 40° 75*27*H44.4mm
- 60° 85*27*H44.4mm
- 15° 92*27*H44.3mm
- 95*27*H66.4mm
- 110*27*H44.3mm

RL-TOD5472A

54x72

10

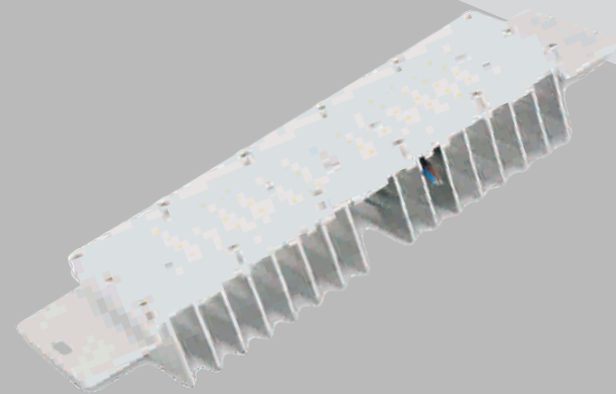
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Custom Design Available for All Products



Street Light Module



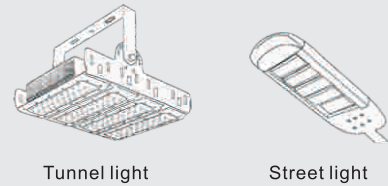
Street Light Module

Light engine



- Features:**
- 3030/5050 high performance LED sources
 - Efficiency up to 185Lm/W
 - IP66 protection level
 - According to CSA 016-2014 standard

Application:



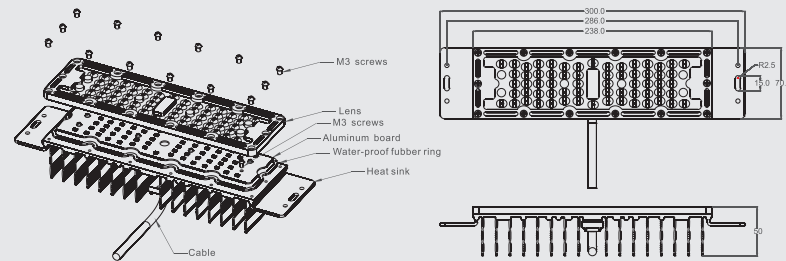
Tunnel light

Street light

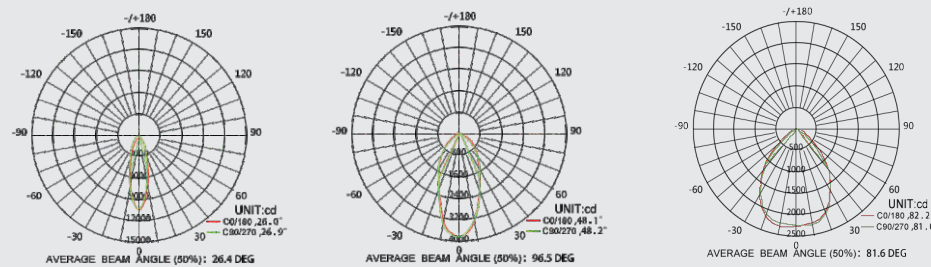
Standard series - Tunnel light

P/N	Power W	Voltage VDC	Current mA	Flux Lm	Efficiency Lm/W	CCT K	CRI	Beam-angle	Size mm	LEDs
MTRNB**S48H-F1	50	48	1040	7500	160	6500	>70	24°	L300*W70*H50mm	5050x28
	40	47	850	6400	170	5700		36°		
	30	46	650	5250	185	4000		60°		
MTRNB30S48H-F1	50	48	1040	7000	150	3000	>70	90°		
	40	47	850	6000	160					
	30	46	650	4950	175					

Dimension(mm)



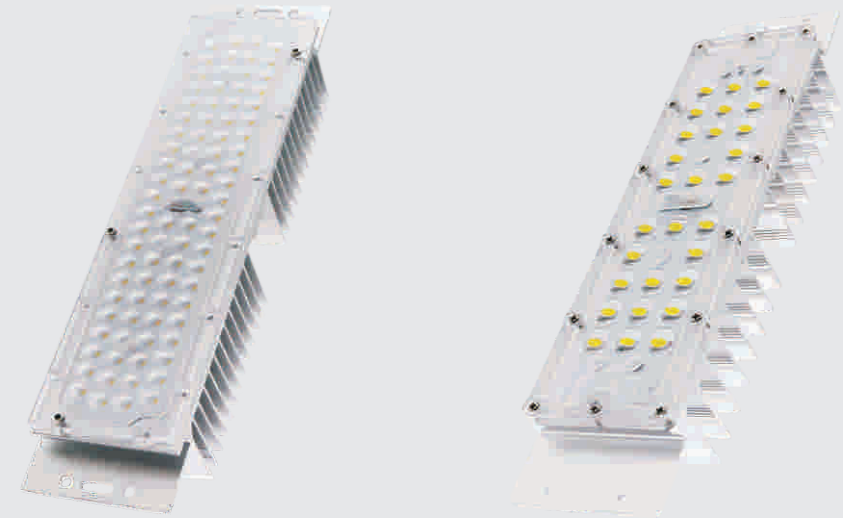
Light intensity distribution



Custom Design Available for All Products

Street Light Module

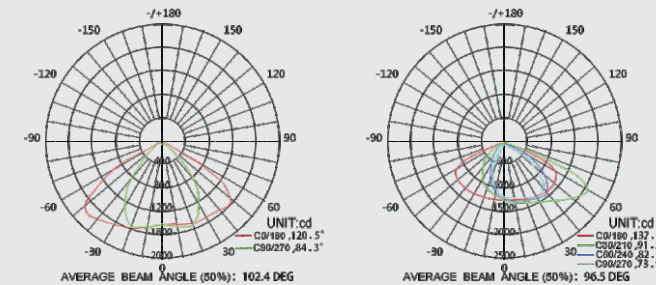
Light engine



Standard series - Street light

P/N	Power W	Voltage VDC	Current mA	Flux Lm	Efficiency Lm/W	CCT K	CRI	Beam-angle	Size mm	LEDs
MTRNW**S48H-F1	50	48	1040	7250	145	6500	>70	Type II	L300*W70*H49mm	3030x64
	40	47	850	6000	150	5700		55°*150°		
	30	46	650	4650	160	4000				
MTRNW**S48H-F1	50	48	1040	6750	140	3000	>70	Type III		
	40	47	850	5600	145			75°*150°		
	30	46	650	4350	155					
MTRNB**S48H-F1	50	48	1040	7500	160	6500	>70	Type II	L300*W70*H49mm	5050x28
	40	47	850	6400	170	5700		65°*150°		
	30	46	650	5250	185	4000				
MTRNB**S48H-F1	50	48	1040	7000	150	3000	>70	Type III		
	40	47	850	6000	160			80°*150°		
	30	46	650	4950	175					

Light intensity distribution



Custom Design Available for All Products

Components and Parts



Fresh Light COB



Features:

Various spectrum available for food
1919-17 COB compact design
Various size available

Application:



Spotlight



Tracklight



Lowbay

Standard series

P/N	Size		Voltage -Vdc		Current mA	Power W	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Chromaticity		Coordinate	
	mm	Type	Max								x	y		
Beef and Bacon							1740	58	1800	85	0.5072	0.3587		
Bread and Cake							2160	72	2200	90	0.4949	0.4038		
Fresh meat							1830	61	3000	70	0.3882	0.313		
Frozen meat							1860	62	3300	80	0.3816	0.3156		
Vegetables & Fruit-deep	19*19	36	40	800	30		2940	98	3000	95	0.4186	0.3841		
Vegetables & Fruit-light							3300	110	4000	90	0.372	0.3674		
Seafood							3360	112	6000	90	0.3416	0.3411		
Frozen Seafood							2760	92	6500	95	0.3174	0.3291		

Custom Design Available for All Products



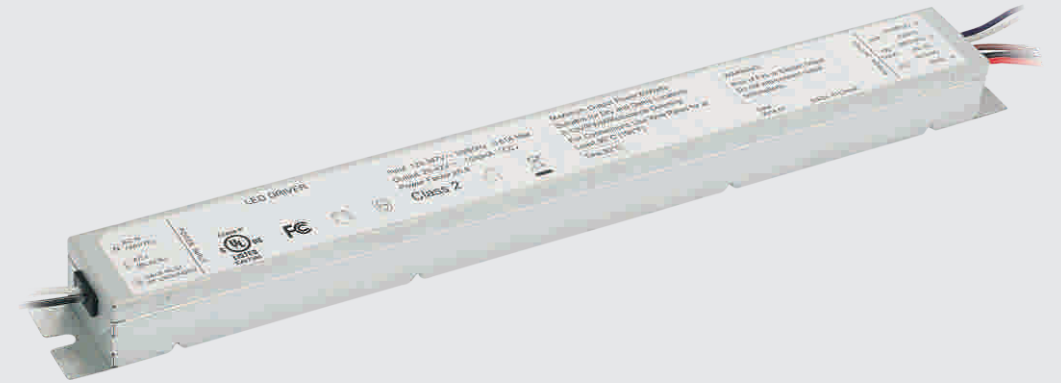
Features:

- Various spectrum available for food
- 1919-17 COB compact design
- Various size available

Standard series

P/N	Size mm	Green			Red			Blue			CW		CW			
		vf-v	WL-nm	IV-mcd	vf-v	WL-nm	IV-mcd	vf-v	WL-nm	IV-mcd	vf-v	WL-nm	IV-mcd	vf-v	WL-nm	IV-mcd
RL-MA50F-A1	5.0x5.0	2.9-3.1	520-525	1200-1800	1.9-2.2	620-625	600-900	3.0-3.2	465-470	320-530	2.8-3.0	2200	7-9	2.8-3.0	6500	7-9
RL-MA50F-A2	5.0x5.0	2.9-3.1	520-525	1200-1800	1.9-2.2	620-625	600-900	3.0-3.2	465-470	320-530	2.8-3.0	2400	7-9	2.8-3.0	6500	7-9
RL-MA50F-A3	5.0x5.0	2.9-3.1	515-520	1200-1800	1.9-2.2	620-625	600-900	3.0-3.2	465-470	320-530	2.8-3.0	2200	7-9	2.8-3.0	6500	7-9
RL-MA50F-A4	5.0x5.0	2.9-3.1	515-520	1200-1800	1.9-2.2	620-625	600-900	3.0-3.2	465-470	320-530	2.8-3.0	2400	7-9	2.8-3.0	6500	7-9

Custom Design Available for All Products



Features:

- SELV Design
- Suitable power for different lighting system
- Terminals for easy wiring
- World-wide compliance
- 5 years warranty

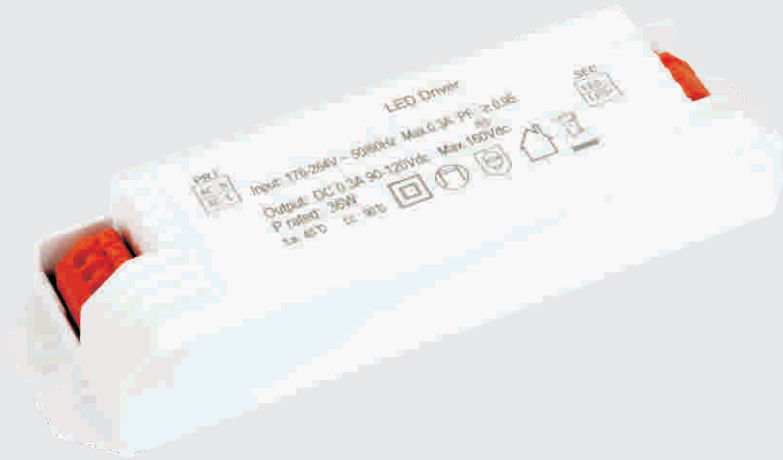


Standard series

P/N	Size mm	Input Power watts	Input Voltage Vac	Output Voltage VDC	Output Current mA	Efficiency %	Dimming /	Flicker %	Certification /	Warranty Years
RLC-22U-45A-AM	235*30*22	22	100-277	25-45	260-500	88	0-10V	Flicker Free	UL cUL,FCC,Class 2	5
RLC-22U-45B-AM		22	100-277	25-45	260-500	88	0-10V	/	UL cUL,FCC,Class 2	5
RLC-42U-40-MA	280*30*22	44	100-277	27-40	700-1100	88	/	Flicker Free	UL List,cUL, FCC, Cass P	5
RLC-42U-40-MB		44	100-277	27-40	700-1100	88	/	/	UL List,cUL, FCC, Cass P	5
RLC-42U-40-T	300*30*22	44	100-277	25-42	550-1050	88	0-10V	/	UL cUL,FCC,Class 2	5
RLC-42U-40-M1		44	100-277	25-40	600-1100	88	0-10V	Flicker Free	UL List,cUL, FCC, Cass P	5
RLC-60B-42B-AM	300*30*22	63	100-277	25-42	500-1500	88	0-10V	/	UL cUL,FCC,Class 2	5
RLC-60U-42B-AM		63	100-277	25-42	500-1500	88	0-10V,PWM,R	/	UL cUL,FCC,Class 2	5
RLC-64U-40-M1	355*30*22	64	100-277	25-40	1100-1600	88	0-10V	Flicker Free	UL List,cUL, FCC, Cass P	5
RLC-64U-40-T	300*30*22	64	100-277	25-42	1000-1550	88	0-10V	/	UL cUL,FCC,Class 2	5
RLC-63B-42B-CM		63	100-347	25-42	500-1500	86	0-10V,PWM,R	/	UL, FCC, Cass P	5
RLC-54H-120B-GM	232*30*22	54	200-240	80-120	200-450	92	/	/	CE	3

Custom Design Available for All Products

LED Driver



Features:

- High cost-efficiency performance
- Suitable power for different lighting system
- Terminals for easy wiring

Standard series

P/N	Size mm	Input Power watts	Input Voltage Vac	Output Voltage VDC	Output Current mA	Efficiency %	Dimming /	Flicker %	Certification /	Warranty Years
RL-WPS42-40	150*46*29	44	200-240	30-40	500-1100	88			TUV CB CE SAA CCC	3
RL-WPS42-40-A	150*46*29	40	200-240	30-40	700-1000	88			TUV CB CE SAA	3
RL-WPS65-40	180*52*30	57	200-240	25-38	1100-1500	90			TUV CB CE SAA	3
RL-ELS10-210	149*40*28	10	176-264	35-48	210	83			CE	5
RL-ELS20-400	149*40*28	24	176-264	40-60	400	87			CE	5
RL-ELS25-480	149*40*28	24	176-264	40-50	480	87	/	Flicker Free	CE	5
RL-ELS40-305	149*40*28	36	176-264	90-120	300	87			CE	2
RL-ELS40-350	149*40*28	42	176-264	90-120	350	87			CE	2
RL-ELS40-320	149*40*28	38.4	176-264	85-120	320	87			CE	5
RL-ELS54-120	150*45*30	55.8	176-264	85-124	450	87			CE	5
RL-ELS56-80	300*30*22	56	200-240	60-80	700	89			CE	3

Custom Design Available for All Products

LED Driver



Features :

- SELV Design
- Suitable power for different lighting system
- Terminals for easy wiring
- World-wide compliance
- 5 years warranty



Ceiling Lamp Series

P/N	Size mm	Input Power Watts	Input Voltage Vac	27-53V VDC	Output Current mA	Efficiency %	Dimming /	Flicker %	Certification /	Warranty Years
RL-QE10B	D60*22mm	10	200-240V	15-27V	350mA	90%	/	Flicker free	CE	5
RL-QE11B		12	200-240V	17-35V	350mA					
RL-QE12B	D70*26mm	20	200-240V	27-53V	350mA	90%	/	Flicker free	CE	5
RL-QE13B		30	200-240V	25-42V	700mA					

Custom Design Available for All Products



LED strip light

LED Strip Light (also known as an LED tape or ribbon light) is a flexible circuit board populated by surface mounted light-emitting diodes (SMD LEDs) and other components that usually come with an adhesive backing. Traditionally, strip lights had been used solely in accent lighting, backlighting, task lighting, and decorative lighting applications. Gradually increasing luminous efficiency and higher-power SMDs have allowed LED strip lights to be used in applications such as high brightness task lighting, fluorescent and halogen lighting fixture replacements, indirect lighting applications, Ultra Violet inspection during manufacturing processes, set and costume design, and even growing plants.

5050 SMD LED chip



3528 SMD LED chip



3014 SMD LED Chip



2835 SMD LED Chip



Custom Design Available for All Products

IP RATE

IP 20 DC L.V.Series		Non-waterproof
IP 54 DC L.V.Series		Silicon spraying process Anti splash water Tiny size change
IP 54 DC L.V.Series		Silicon dripping process Anti splash water Tiny size change
IP 65 DC L.V.Series		Silicon tube process Anti splash water Tiny size change
IP 67 DC L.V.Series		Silicon pouring process Immerse in water for short time
IP 68 DC L.V.Series		Silicon injecting process Immerse in water for long time
IP 54Plus DC L.V.Series		Silicon extruding process Anti splash water Tiny color shift
IP 67Plus DC L.V.Series		Silicon extruding process Immerse in water for short yime Tiny color shift
IP 44/IP65 DC L.V.Series		Pvc extruding process Anti splash/spray water Tiny color shift

Custom Design Available for All Products

RGBWW Strip



Features:

- DC12/24V low voltage input
- Various CCT available
- Solutions for tight space
- IP20/IP65
- 3/5 years warranty
- UL listed

Application:



Decorative Light



Linear Light



Standard full color series

P/N	Length mm/reel	Power W/reel	LEDs pcs/reel	Voltage V	Current A	Flux Lm	Efficiency Lm/W	CCT K	CRI (white)	Angle °	Interval mm
RL-F24125006(060)	5000	96	300	24	4	8400	86	RGBWW	80	120	100
RL-F12125005(030)	5000	48	150	12	4	2100	45	RGBW	80	120	100
RL-F12125005(060)	5000	96	300	12	8	4200	45	RGBW	80	120	100
RL-F24125005(030)	5000	48	150	24	2	2100	45	RGBW	80	120	100
RL-F24125005(060)	5000	96	300	24	4	4200	45	RGBW	80	120	100

Full color IC series

P/N	Length mm/reel	Power W/reel	LEDs pcs/reel	Voltage V	Current A	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Angle °	Interval mm
RL-F05105004060-(WS2812B)	5000	90	300	5	18	/	/	RGB	/	120	16.54
RL-F05105004060-(WS2813)	5000	90	300	5	18	/	/	RGB	/	120	16.54
RL-F05125005060-(SK6812)	5000	90	300	5	18	2100	/	RGBW	/	120	16.54
RL-F05105004060-(APA102C)	5000	90	300	5	18	/	/	RGB	/	120	16.54
RL-F12105004060-(WS2811)	5000	72	300	12	6	/	/	RGB	/	120	50
RL-F12105004060-(WS2815)	5000	72	300	12	6	/	/	RGB	/	120	50
RL-F12105004060-(WS2818B)	5000	72	300	12	6	/	/	RGB	/	120	50
RL-F12105004060-(UCS1903)	5000	72	300	12	6	/	/	RGB	/	120	50
RL-F12105004060-(P943)	5000	72	300	12	6	/	/	RGB	/	120	50
RL-F24105004060-(P943)	5000	72	300	24	3	/	/	RGB	/	120	100
RL-F12105004060-(GS8206)	5000	72	300	24	3	/	/	RGB	/	120	100

Custom Design Available for All Products

White Color Series



Features:

- Transparent lead frame; more uniform light
- 3 step SDCM
- Low voltage
- High luminous efficiency up to 120lm/w
- High CRI up to 98
- Utilizes 3M double sided tape
- Mounts into tight space
- For decorate lighting or back lighting
- 50000hrs lifetime

Application:



Decorative Light



Linear Light



Standard white color series - 2216

P/N	Length mm/reel	Power W/reel	LEDs pcs/reel	Voltage V	Current A	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Angle °	Interval mm
RL-F24082202060	5000	24	300	24	1	1920	80	2700-6500	80/90	120	100
RL-F24082202090	5000	36	450	24	1.5	2880	80	2700-6500	80/90	120	66.6
RL-F24082202120	5000	48	600	24	2	3840	80	2700-6500	80/90	120	50
RL-F24082202180	5000	72	900	24	3	5760	80	2700-6500	80/90	120	33.3

Standard white color series - 3528

P/N	Length mm/reel	Power W/reel	LEDs pcs/reel	Voltage V	Current A	Flux Lm	Efficiency Lm/W	CCT K	CRI -	Angle °	Interval mm
RL-F24083202060	5000	24	300	24	1	1920	80	2700-6500	80/90	120	100
RL-F24083202120	5000	48	600	24	2	3840	80	2700-6500	80/90	120	50
RL-F24083202180	5000	72	900	24	3	5760	80	2700-6500	80/90	120	33.3
RL-F24083202240	5000	96	1200	24	4	7680	80	2700-6500	80/90	120	25

Custom Design Available for All Products

White Color Series

Standard white color series-3014

P/N	Length	Power	LEDs	Voltage	Current	Flux	Efficiency	CCT	CRI	Angle	Interval
	mm/reel	W/reel	pcs/reel	V	A	LM	Lm/W	K	-	°	mm
RL-F24081402060	5000	24	300	24	1	1920	80	2700-6500	80/90	120	100
RL-F24081402120	5000	48	600	24	2	3840	80	2700-6500	80/90	120	50
RL-F24081402180	5000	72	900	24	3	5760	80	2700-6500	80/90	120	33.3

Standard white color series-2835

P/N	Length	Power	LEDs	Voltage	Current	Flux	Efficiency	CCT	CRI	Angle	Interval
	mm/reel	W/reel	pcs/reel	V	A	LM	Lm/W	K	-	°	mm
RL-F24083202070	5000	24	350	24	1	1920	80	2700-6500	95	120	100
RL-F24083202140	5000	48	700	24	2	3840	80	2700-6500	95	120	50

High luminous efficiency series-2835

P/N	Length	Power	LEDs	Voltage	Current	Flux	Efficiency	CCT	CRI	Angle	Interval
	mm/reel	W/reel	pcs/reel	V	A	LM	Lm/W	K	-	°	mm
RL-F240832100060	5000	60	300	24	6000	100	2700-6500	100	80	120	100
RL-F240832100120	5000	110	600	24	11000	100	2700-6500	100	80	120	100
RL-F240832120060	5000	24	300	24	2880	120	2700-6500	120	80	120	100
RL-F240832120120	5000	48	600	24	5760	120	2700-6500	120	80	120	100
RL-F24083202080	5000	24	400	24	4800	200	2700-5000	200	80	120	100
RL-F24083202160	5000	48	800	24	9600	200	2700-5000	200	80	120	100

Aluminum

Part Number	Dimension	Length	Accessories name	Weight(kg)
RL-1201		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm	0.185
RL-1202		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm Angel adjustable fixture	0.18
RL-1203		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm	0.185
RL-1204		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm Angel adjustable fixture	0.15
RL-1205		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm Angel adjustable fixture	0.14
RL-1206		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm	0.36
RL-1207		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 12mm	0.21
RL-1101		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.35
RL-1102		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.125

Custom Design Available for All Products

Custom Design Available for All Products

Aluminum

Part Number	Dimension	Length	Accessories name	Weight(kg)
RL-1103		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.175
RL-1104		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.11
RL-1105		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.16
RL-1106		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.25
RL-1101-1		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.35
RL-1102-1		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.125
RL-1103-1		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.175
RL-1104-1		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.11
RL-1105-1		1M	Aluminium:1pcs/m PC cover:1pcs/m Core plug:2 pcs Fastener:2pcs PCB width : 11mm	0.16

Custom Design Available for All Products

Connectors for LED Strip

FPC+clip Series

- L-shape
- T-shape
- X-shape



Operating Voltage	Operating Current	IP	PCB Width	Color Channel	Connection Type
0-36V	0-3A	IP20	8MM; 10MM	2-pins sigle color; 4-pins RGB color	PCB to PCB

Flip Series

- White color
- Welding free
- Quick conntection
- Front-Flip/back-Flip type
- Flame-resistant nylon+copper



Operating Voltage	Operating Current	IP	PCB Width	Color Channel	Connection Type
0-36V	0-3A 0-6A	IP20	8MM 10MM 12MM	2-pins sigle color 4-pins RGB color 5-pins RGBW colo	PCB to PCB Cable to PCB PCB to Cable to PCB
		IP54 Silicon dripping	8MM 10MM	2-pins sigle color 4-pins RGB color	PCB to PCB Cable to PCB PCB to Cable to PCB

Hippo Series

- Hippo Structure
- Welding Free
- Silicon Stripping-free
- Cable sheath stripping-free
- cable-pluggable connection
- Ta=20-50°C
- Front-Flip type
- V0 flame-resistant 105°C
- One time usage.



Operating Voltage	Operating Current	IP	PCB Width	Color Channel	Connection Type
0-36V	0-5A	IP20	8MM 10MM 12MM	2-pins sigle color 3-pins dual color 4-pins RGB color 5-pins RGBW color	PCB to PCB Cable to PCB PCB to PCB Cable to PCB
		IP54 Silicon dripping		2-pins sigle color 4-pins RGB color	PCB to PCB Cable to PCB
		IP65 Silicon tube IP67 Plus silicon extrusion	8MM 10MM	2-pins sigle color 4-pins RGB color	PCB to PCB Cable to PCB

Custom Design Available for All Products

Driver for LED Strip



Constant voltage IP20 Series

P/N	Size	Input Power Watts	Input Voltage Vac	Output Voltage VDC	Output Current mA	IP	Warranty Years
	mm						
RL-12V25WIP20	85*58*33	25W	100V-264V/AC	12V/DC	2.08A	20	3
RL-24V25WIP20				24V/DC	1.1A		
RL-12V36WIP20	85*58*33	36W	100V-264V/AC	12V/DC	3A	20	3
RL-24V36WIP20				24V/DC	1.5A		
RL-12V60WIP20	110*78*36	60W	100V-264V/AC	12V/DC	5A	20	3
RL-12V60WIP20				24V/DC	2.5A		
RL-12V100WIP20	130*98*40	100W	100V-264V/AC	12V/DC	8.3A	20	3
RL-24V100WIP20				24V/DC	4.16A		
RL-12V120WIP20	130*98*40	120W	100V-264V/AC	12V/DC	10A	20	3
RL-24V120WIP20				24V/DC	5A		
RL-12V150WIP20	160*98*50	150W	100V-264V/AC	12V/DC	12.5A	20	3
RL-24V150WIP20				24V/DC	6.25A		

Custom Design Available for All Products

Driver for LED Strip

Constant voltage IP20 Series

P/N	Size	Input Power Watts	Input Voltage Vac	Output Voltage VDC	Output Current mA	IP	Warranty Years
	mm						
RL-12V200WIP20	160*98*50	200W	170V-264V/AC	12V/DC	16.6A	20	3
RL-24V200WIP20				24V/DC	8.3A		
RL-12V250WIP20	160*98*50	250W	170V-264V/AC	12V/DC	20.8A	20	3
RL-24V250WIP20				24V/DC	10.4A		
RL-12V360WIP20	200*110*50	360W	90~130V/AC OR 170-264V/AC	12V/DC	29.16A	20	3
RL-24V360WIP20				24V/DC	14.6A		

Constant voltage IP67 Series

P/N	Size	Input Power Watts	Input Voltage Vac	27-53V VDC	Output Current mA	IP	Warranty Years
	mm						
RL-12V20WIP67	170*34*24	25W	100V-264V/AC	12V/DC	1.67A	67	3
RL-24V20WIP67				24V/DC	0.83A		
RL-12V30WIP67	200*34*24	30W	100V-264V/AC	12V/DC	2.5A	67	3
RL-24V30WIP67				24V/DC	1.25A		
RL-12V40WIP67	200*34*24	40W	100V-264V/AC	12V/DC	3.3A	67	3
RL-24V40WIP67				24V/DC	1.66A		
RL-12V50WIP67	200*34*24	50W	100V-264V/AC	12V/DC	4.16A	67	3
RL-24V50WIP67				24V/DC	2.1A		
RL-12V60WIP67	170*53*33	60W	100V-264V/AC	12V/DC	5A	67	3
RL-24V60WIP67				24V/DC	2.5A		
RL-12V80WIP67	178*57*16.8	80W	100-264V/AC	12V/DC	6.67A	67	3
RL-24V80WIP67				24V/DC	3.33A		

Custom Design Available for All Products

Driver For LED Strip

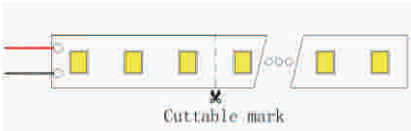
Constant voltage IP67 Series

P/N	Size	Input Power Watts	Input Voltage Vac	Output Voltage VDC	Output Current mA	IP	Warranty Years
	mm						
RL-12V100WIP67	210*69*39	100W	100V-264V/AC	12V/DC	8.3A	67	3
RL-24V100WIP67				24V/DC	4.2A		
RL-12V120WIP67	210*69*39	120W	100V-264V/AC	12V/DC	10A	67	3
RL-24V120WIP67				24V/DC	5A		
RL-12V150WIP67	240*69*39	150W	100V-264V/AC	12V/DC	12.5A	67	3
RL-24V150WIP67				24V/DC	6.25A		
RL-12V200WIP67	207*80*41	200W	90~130V/AC OR 170-264V/AC	12V/DC	16.7A	67	3
RL-24V200WIP67				24V/DC	8.33A		
RL-12V200WIP67	227*80*41	250W	90~130V/AC OR 170-264V/AC	12V/DC	21A	67	3
RL-24V250WIP67				24V/DC	10.41A		
RL-12V300WIP67	227*80*41	300W	90~130V/AC OR 170-264V/AC	12V/DC	25A	67	3
RL-24V300WIP67				24V/DC	12.5A		
RL-12V350WIP67	240*80*41	350W	90~130V/AC OR 170-264V/AC	12V/DC	29.16A	67	3
RL-24V350WIP67				24V/DC	14.6A		

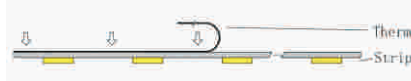
Custom Design Available for All Products

Instruction


1) IP20 strips



1. Cut the strip by the cuttable mark according to the length of application




2. Put on the thermal tape on the back of strips tightly




3. Stick the strip with thermal tape to the smooth surface and press the strip to ensure the strip fixed well


2) IP65 strips




End-cap



Batten

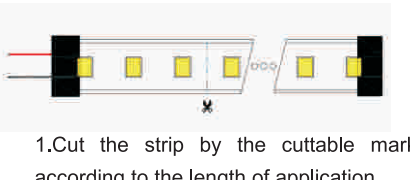


Silicon-glue

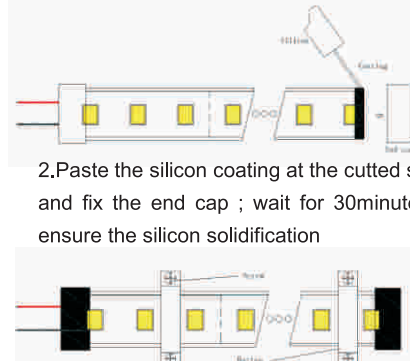


Screw

1. Cut the strip by the cuttable mark according to the length of application

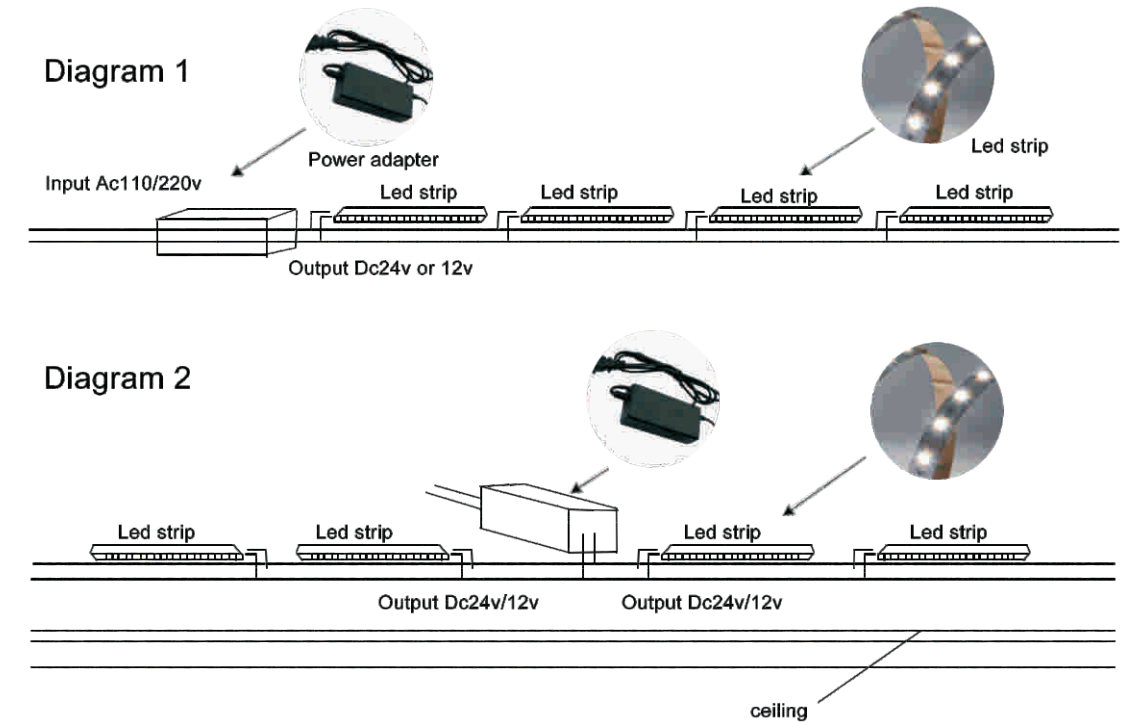


2. Paste the silicon coating at the cutted side, and fix the end cap; wait for 30minutes to ensure the silicon solidification



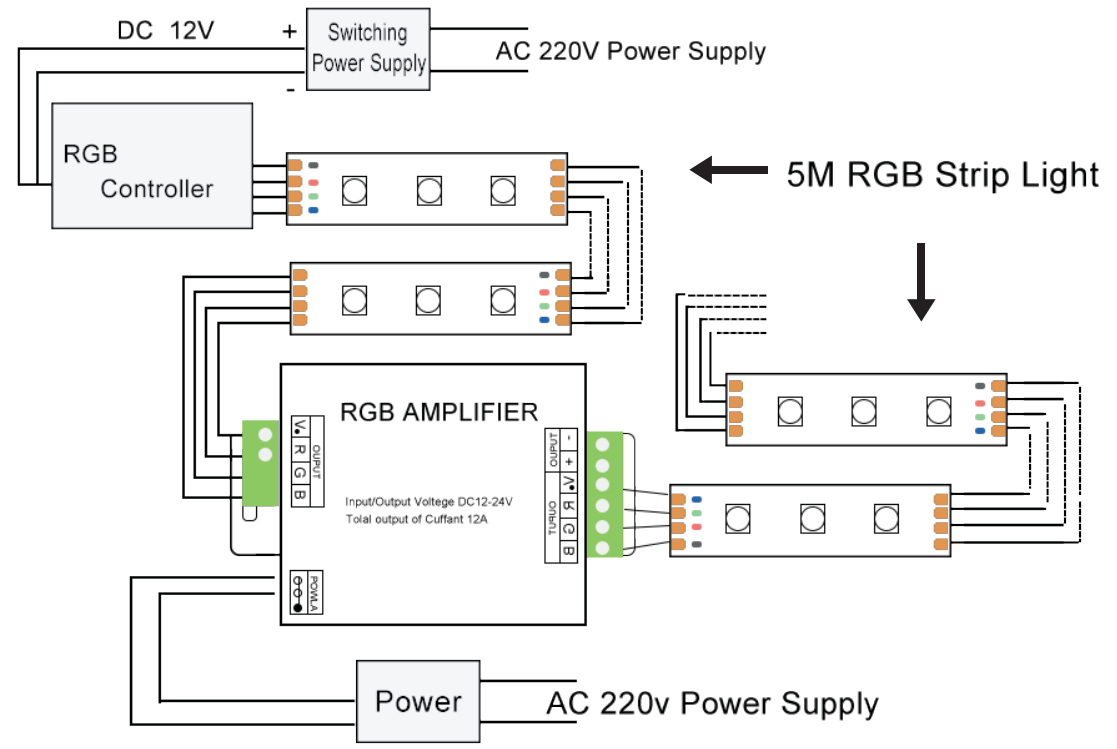
3. Fix the strip on the application surface with batten and screws

Wiring



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Installation of RGB Strip



Customized Products

