LED Street Light Module



- High efficiency up to 210lm/W
- 4000K is mainstream; 3000K is available for secondary roads/residential areas.
- CRI: Ra ≥ 70
- Power: modularized at 50–200W per module, easy to combine to cover different road classes.Macadam 3 steps color bin
- Lifetime: L70/L80 ≥ 50,000–100,000h; lumen maintenance ≥ 96% at 3,000h, ≥ 92% at 6,000hHigh cost performance

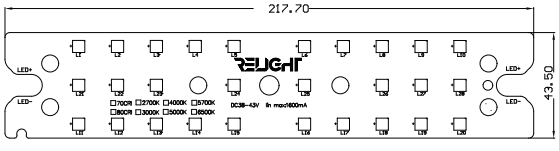
General Application

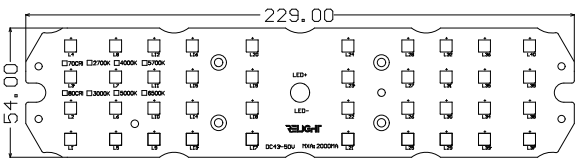
Street light

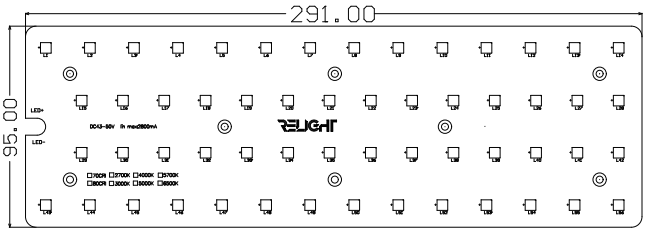
Applied standards

EN 62321
EMC: EN 55015 EN 61547EN 61000-3-2 EN 61000-3-3
EMI: EN55015 EN61000-3-2 EN61000-3-3
EMS: EN61547
EMF: EN62493
LVD: EN62471 EN62031

Mechanical dimension （Unit：mm）







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General information

P/N	Size	Input	Power	Current	Flux	Efficiency	CCT	CRI	Flicker-free
	mm	Vac	W	mA	Lm	Lm/W	K	-	-
RL-CM218X44F0704H030-727	218x44	38-42	30	800	5400	180	2700	70	Yes
RL-CM218X44F0704H030-730					5700	190	3000		
RL-CM218X44F0704H030-740					6300	210	4000		
RL-CM218X44F0704H030-750					6300	210	5000		
RL-CM218X44F0704H030-765					6300	210	6500		
RL-CM230X54F0805H050-727	230x54	44-48	50	1120	9000	180	2700	70	Yes
RL-CM230X54F0805H050-730					9500	190	3000		
RL-CM230X54F0805H050-740					10500	210	4000		
RL-CM230X54F0805H050-750					10500	210	5000		
RL-CM230X54F0805H050-765					10500	210	6500		
RL-CM290X95F0807H070-727	290x95	44-48	70	1560	12600	180	2700	70	Yes
RL-CM290X95F0807H070-730					13300	190	3000		
RL-CM290X95F0807H070-740					14700	210	4000		
RL-CM290X95F0807H070-750					14700	210	5000		
RL-CM290X95F0807H070-765					14700	210	6500		

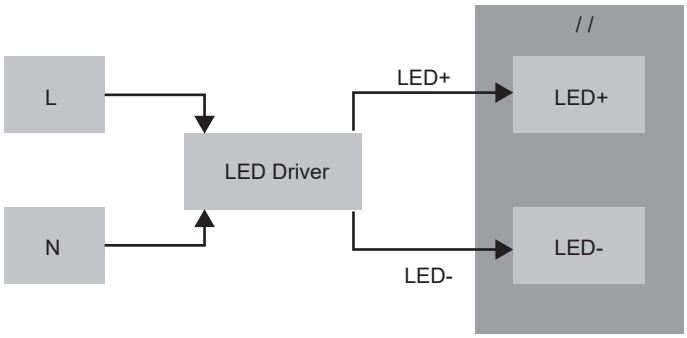
Note：1-Various CCT available（2700-6500K）；RL-XXXXXXXXXXXXXXX-840X（8-80CRI;40-4000K CCT）
2-Typical Optical-electronic parameters above @ Ta=25℃

General information

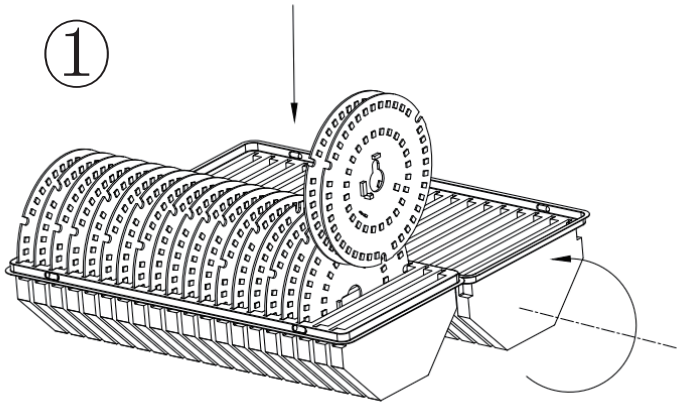
Input	44-48Vac
Frequency	50/60Hz
Rated power	Typical power（±10% tolerance）
PF	>0.5
Protection	IP20
Storage temperature	-30-85℃
Operation temperature	-30-80℃（Ts ofled components）
Beam Angle	120 deg
Flicker index	flicker-free
Connectors	Poke-in Type

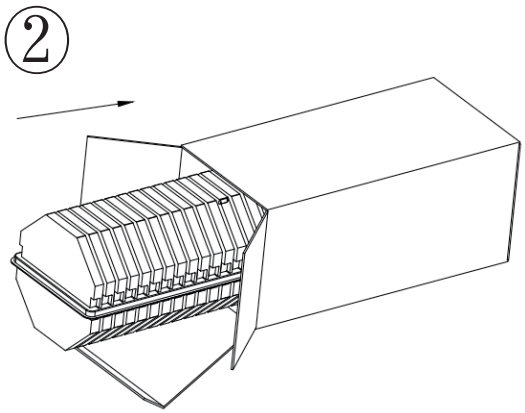
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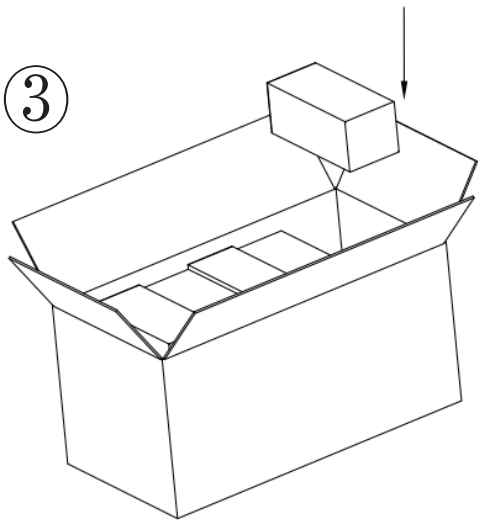
Wiring example



Package







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Safety Information

1. The LED module and all its components shall not be subjected to mechanical stress
2. Correct electrical polarity, otherwise module may be damaged
3. Ensure the power supply is suitable for the total load.
4. Electrostatic Discharge (ESD) precautions shall be incorporated when handling or installing the module.
5. Installation of LED modules shall refer to all applicable electrical and safety standards.
6. Suitable for luminaire of protection class 1, grounding is mandatory to comply with safety standards
7. The AC light engine needs to be mounted to a heat sink with a thermal interface material between them
8. It is better to use the AC led module with safety cover
9. Modules may be hot to touch. Use caution when handling.

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LED Strip Manufacturer

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