

20mm Wide Zhaga Series - Dual CCT



- High efficiency up to 120lm/W
- Various CCT available: 2700/3000/4000/5000/5700/6500K
- CRI:80 options
- Macadam 3 steps color bin
- Solutions for linear light/troffer light/panel light/wall light
- Poke in wiring connectors
- Easy & quick for Parallel or serial wiring
- Better alternative solutions for fluorescent light
- According to Zhaga book 7 requirement

General Application



Linear light



Troffer light



Panel light



Wall light

Applied standards



EN 62031

EMC: EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 EN 61000-4-4 EN 61000-4-5

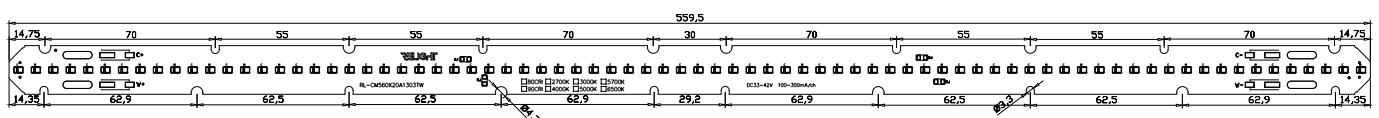
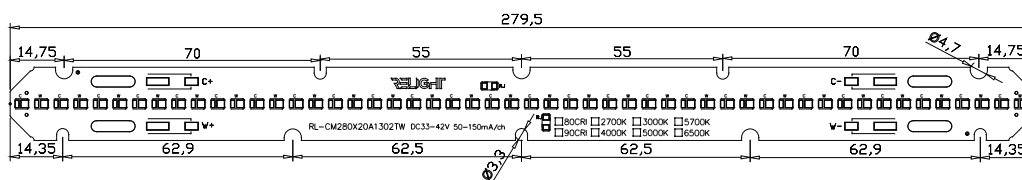
EMI: EN55015 EN61000-3-2 EN61000-3-3



EMS: EN61547

EMF: EN62493

Mechanical dimension (Unit: mm)



Wiring example (RL-HM280*30A series)

Fig2: Light bar connected in series

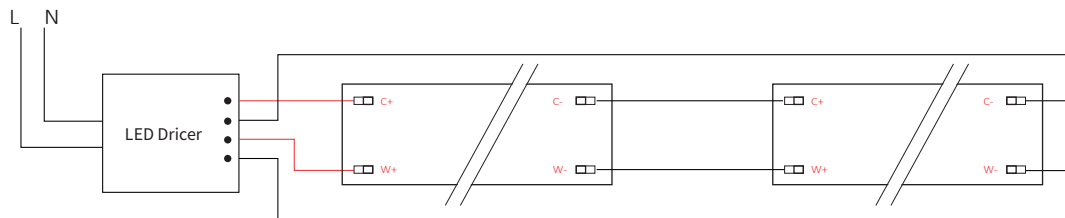
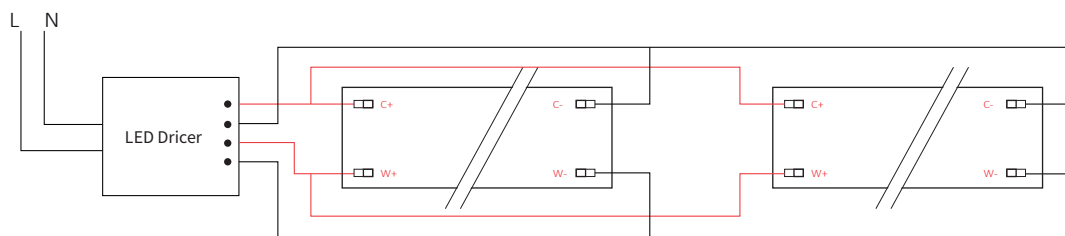


Fig3: Light bar connected in parallel



Wire preparation

0.2–0.75 mm²(AWG24-18)



6-10mm

Selection guide

P/N	Size	Voltage -Vdc		Current -mA		Power -W		Flux	Efficiency	CCT	CRI
	mm	Typ	Max	Typ	Max	Typ	Max	Lm	Lm/W	K	-
RL-CM280x20A1302H006-82765	280×20	35.1	37.1	88	175	3.0	6.1	480	160	2700	80
		35.1	37.1	88	175	3.0	6.1	540	180	6500	
RL-CM280x20A1302H006-83050		35.1	37.1	88	175	3.0	6.1	510	170	3000	
		35.1	37.1	88	175	3.0	6.1	540	180	4000	
RL-CM280x20A1302H003-92765	280×20	35.1	37.1	88	175	3.0	6.1	480	145	2700	90
		35.1	37.1	88	175	3.0	6.1	540	160	6500	
RL-CM280x20A1302H003-93050		35.1	37.1	88	175	3.0	6.1	510	140	3000	
		35.1	37.1	88	175	3.0	6.1	540	160	4000	
RL-CM280x20A1303H003-82765	560×20	35.1	37.1	175	350	6.1	12.7	975	160	2700	80
		35.1	37.1	175	340	6.1	12.7	1130	180	6500	
RL-CM280x20A1303H003-83050		35.1	37.1	175	350	6.1	12.7	1040	170	3000	
		35.1	37.1	175	340	6.1	12.7	1130	180	5000	
RL-CM560x20A1303H003-92765	560×20	35.1	37.1	175	350	6.1	12.7	885	145	2700	90
		35.1	37.1	175	340	6.1	12.7	975	160	6500	
RL-CM560x20A1303H003-93050		35.1	37.1	175	350	6.1	12.7	915	150	3000	
		35.1	37.1	175	340	6.1	12.7	975	160	4000	

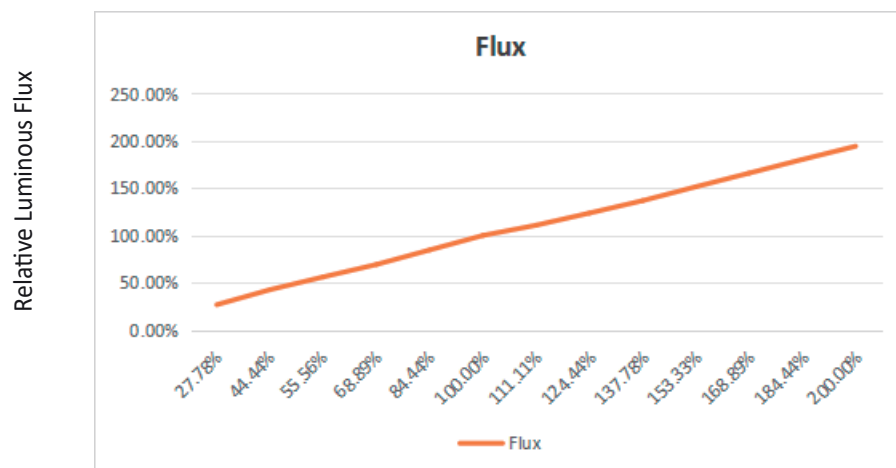
Note: 1-Variou CCT available (2700-6500K) ; RL-XXXXXXXXXXXX-840X (8-80CRI;40-4000K CCT)
2-Typical Optical-electronic parameters above @ Ta=25℃

General information

Input	SELV (depends on the external driver spec.)
Rated power	Typical power (±10% tolerance)
Protection	IP20
Storage temperature	-30-85℃
Operation temperature	-30-80℃ (Ts of led components)
Beam Angle	120 deg
Connectors	Poke-in Type

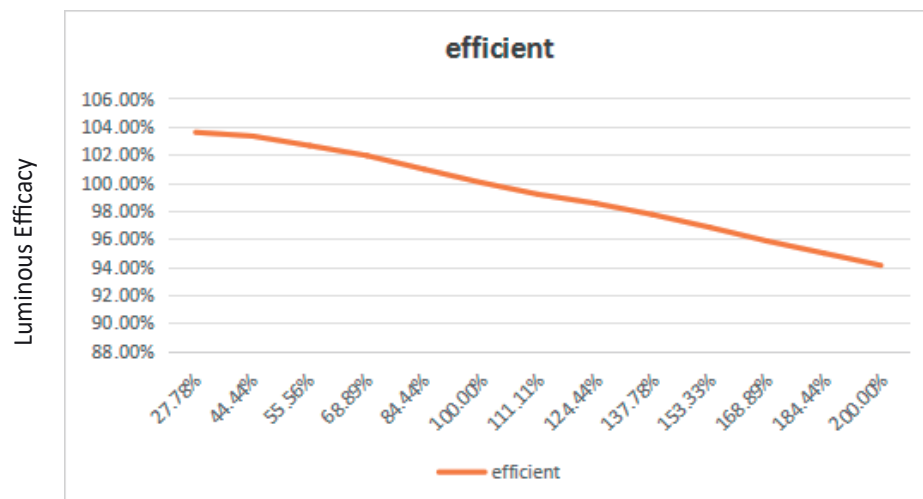
Forward Current Characteristics (Ts=25℃)

Relative Luminous Flux VS Forward Current



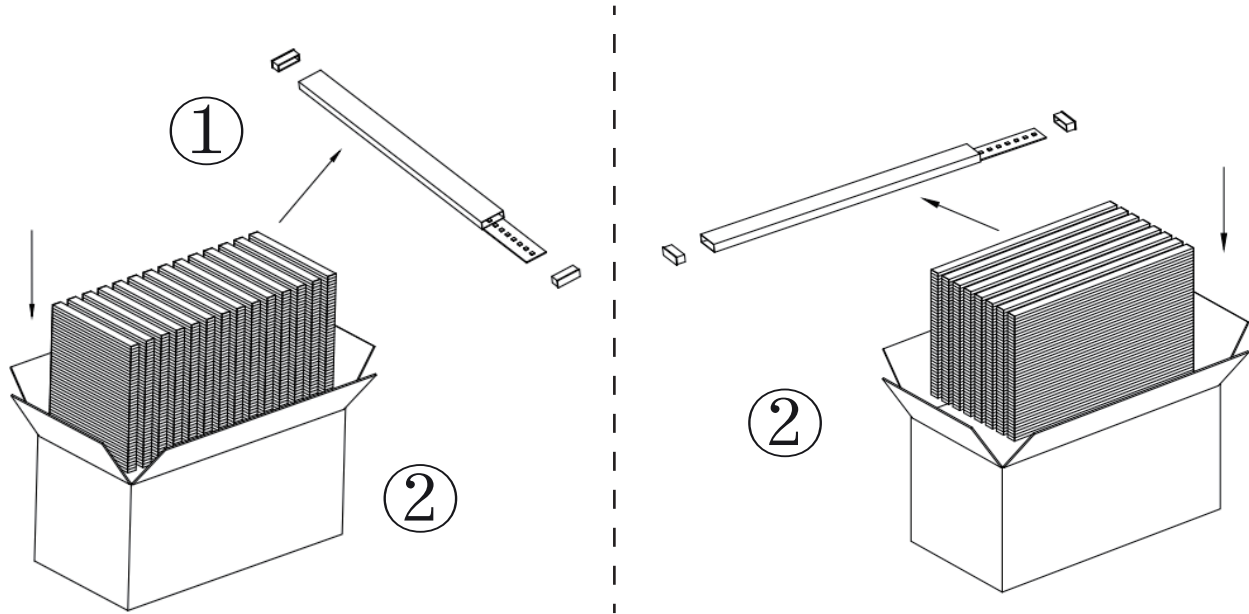
Forward Current (A)

Luminous Efficacy VS Forward Current



Forward Current (A)

Package



Safety Information

1. The LED module and all its components shall not be subjected to mechanical stress.
2. Correct electrical polarity, or not 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 be made referring 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 the touch. Use caution when handling.



Specialized
LED Strip Manufacturer

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