

20mm Wide Zhaga Series - Monochrome

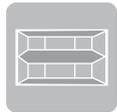


- High efficiency up to 200lm/W
- Various CCT available: 2700/3000/4000/5000/5700/6500K
- CRI:80/90 options
- Macadam 3 steps color bin
- Solutions for linear light/troffer light/panel light/wall light
- Poke in wiring connectors
- Easy & quick for Parallel or serial wiring
- Better alternative solutions 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

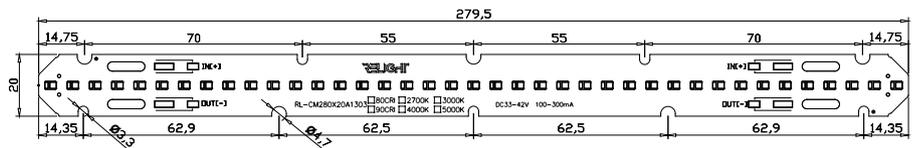
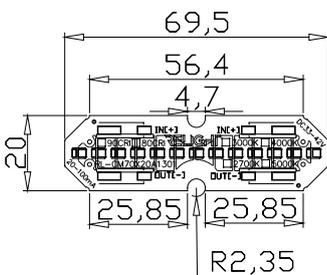
EMI: EN55015 EN61000-3-2 EN61000-3-3

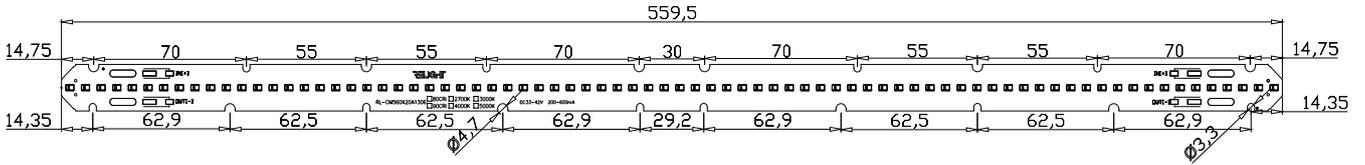


EMS: EN61547

EMF: EN62493

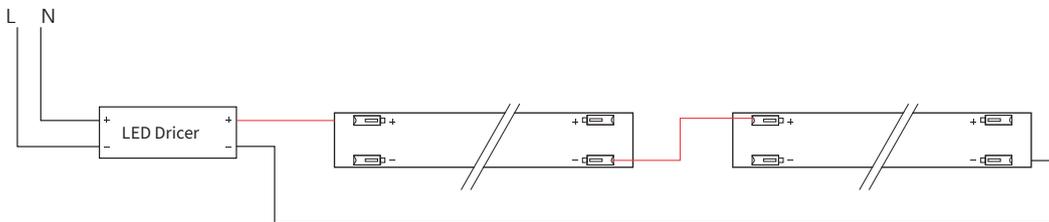
Mechanical dimension (Unit: mm)



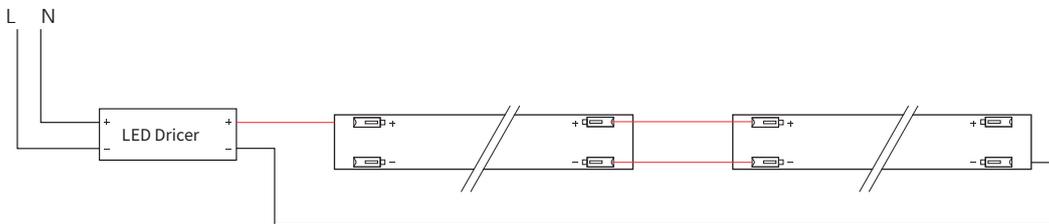


Wiring example (RL-HM280*30A series)

Light bar connected in series

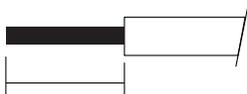


Light bar connected in parallel



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-CM70x20A1301H001-827	70x20	34.5	37.1	45	90	1.5	3.2	270	180	2700	80
RL-CM70x20A1301H001-830		34.5	37.1	45	90	1.5	3.2	285	190	3000	80
RL-CM70x20A1301H001-840		34.5	37.1	45	90	1.5	3.2	315	200	4000	80
RL-CM70x20A1301H001-850		34.5	37.1	45	90	1.5	3.2	315	200	5000	80
RL-CM70x20A1301H001-857		34.5	37.1	45	90	1.5	3.2	315	200	5700	80
RL-CM70x20A1301H001-865		34.5	37.1	45	90	1.5	3.2	315	200	6500	80
RL-CM70x20A1301H001-927	70x20	34.5	37.1	45	90	1.5	3.2	270	180	2700	90
RL-CM70x20A1301H001-930		34.5	37.1	45	90	1.5	3.2	285	190	3000	90
RL-CM70x20A1301H001-940		34.5	37.1	45	90	1.5	3.2	315	200	4000	90
RL-CM70x20A1301H001-950		34.5	37.1	45	90	1.5	3.2	315	200	5000	90
RL-CM70x20A1301H001-957		34.5	37.1	45	90	1.5	3.2	315	200	5700	90
RL-CM70x20A1301H001-965		34.5	37.1	45	90	1.5	3.2	315	200	6500	90
RL-CM280x20A1303H006-827	280x20	35.1	37.1	175	350	6.1	12.7	1100	180	2700	80
RL-CM280x20A1303H006-830		35.1	37.1	175	350	6.1	12.7	1160	190	3000	80
RL-CM280x20A1303H006-840		35.1	37.1	175	350	6.1	12.7	1230	200	4000	80
RL-CM280x20A1303H006-850		35.1	37.1	175	350	6.1	12.7	1230	200	5000	80
RL-CM280x20A1303H006-857		35.1	37.1	175	350	6.1	12.7	1230	200	5700	80
RL-CM280x20A1303H006-865		35.1	37.1	175	340	6.1	12.7	1230	200	6500	80
RL-CM280x20A1303H006-927	280x20	35.1	37.1	175	350	6.1	12.7	915	150	2700	90
RL-CM280x20A1303H006-930		35.1	37.1	175	350	6.1	12.7	975	160	3000	90
RL-CM280x20A1303H006-940		35.1	37.1	175	350	6.1	12.7	1035	170	4000	90
RL-CM280x20A1303H006-950		35.1	37.1	175	350	6.1	12.7	1035	170	5000	90
RL-CM280x20A1303H006-957		35.1	37.1	175	350	6.1	12.7	1035	170	5700	90
RL-CM280x20A1303H006-965		35.1	37.1	175	340	6.1	12.7	1035	170	6500	90
RL-CM560x20A1306H012-827	560x20	35.1	37.1	350	700	12.3	25.7	2215	180	2700	80
RL-CM560x20A1306H012-830		35.1	37.1	350	700	12.3	25.7	2300	190	3000	80
RL-CM560x20A1306H012-840		35.1	37.1	350	700	12.3	25.7	2475	200	4000	80
RL-CM560x20A1306H012-850		35.1	37.1	350	700	12.3	25.7	2475	200	5000	80
RL-CM560x20A1306H012-857		35.1	37.1	350	700	12.3	25.7	2475	200	5700	80
RL-CM560x20A1306H012-865		35.1	37.1	350	700	12.3	25.7	2475	200	6500	80
RL-CM560x20A1306H012-927	560x20	35.1	37.1	350	700	12.3	25.7	1845	180	150	90
RL-CM560x20A1306H012-930		35.1	37.1	350	700	12.3	25.7	1965	190	160	90
RL-CM560x20A1306H012-940		35.1	37.1	350	700	12.3	25.7	2090	200	170	90
RL-CM560x20A1306H012-950		35.1	37.1	350	700	12.3	25.7	2090	200	170	90
RL-CM560x20A1306H012-957		35.1	37.1	350	700	12.3	25.7	2090	200	170	90
RL-CM560x20A1306H012-965		35.1	37.1	350	700	12.3	25.7	2090	200	170	90

Note: 1-Variou CCT available (2700-6500K) ; RL-XXXXXXXXXXXXXXXX-840X (8-80CRI;40-4000K CCT)

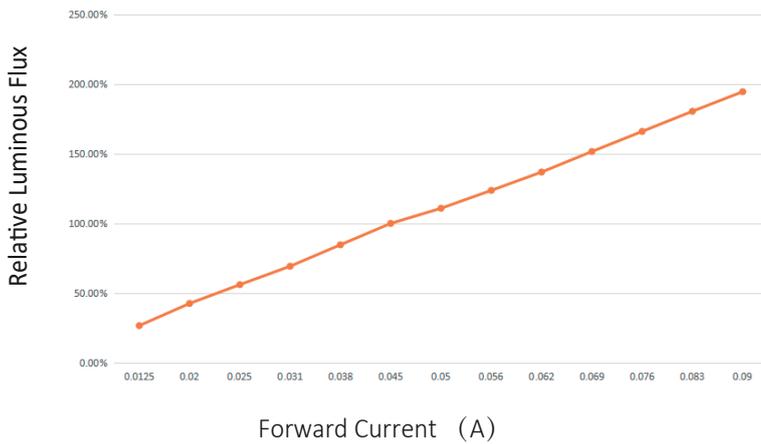
2-Typical Optical-electronic parameters above @ Ta=25 °C

General information

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

Forward Current Characteristics (Ts=25 °C)

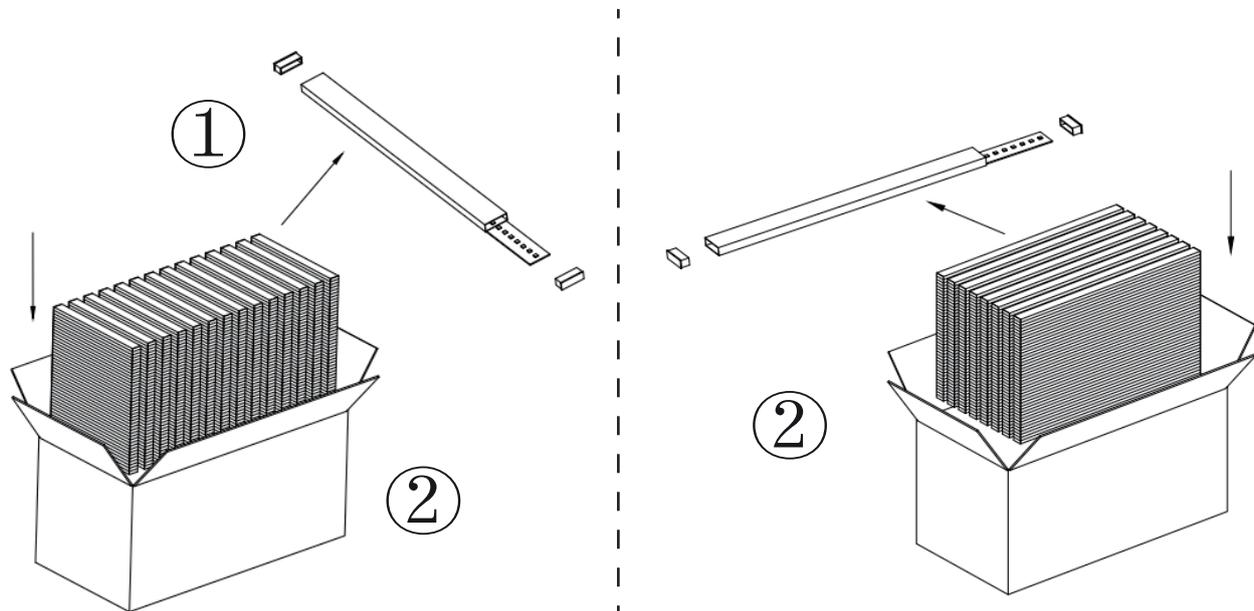
Relative Luminous Flux VS Forward Current



Luminous Efficacy VS Forward Current



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.



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LED Strip Manufacturer

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