

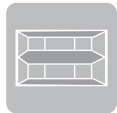
24mm Wide Zhaga Series - Dual CCT



- 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



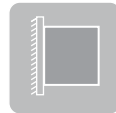
Linear light



Troffer light



Panel light

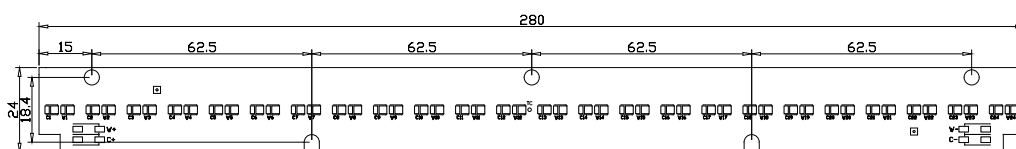
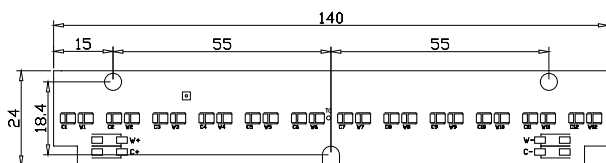


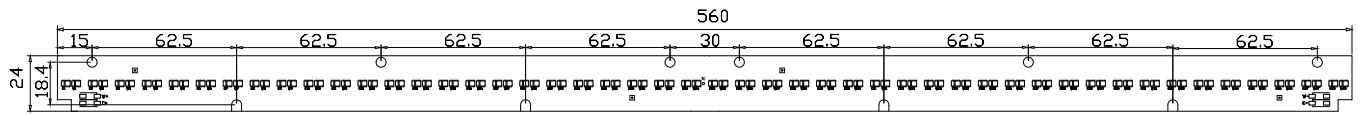
Wall light

Applied standards



Mechanical dimension (Unit: mm)





Wiring example (RL-HM280*30A series)

Fig2: Light bar connected in series

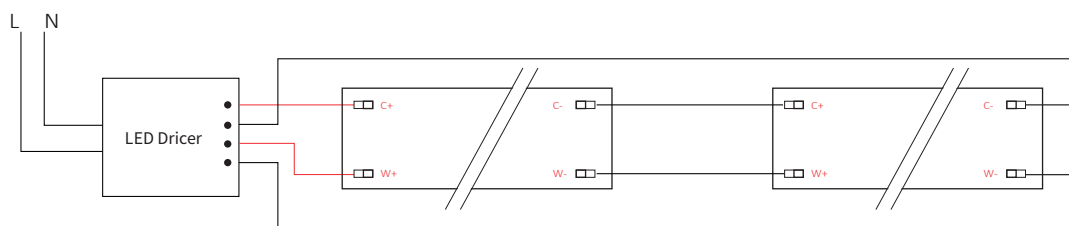
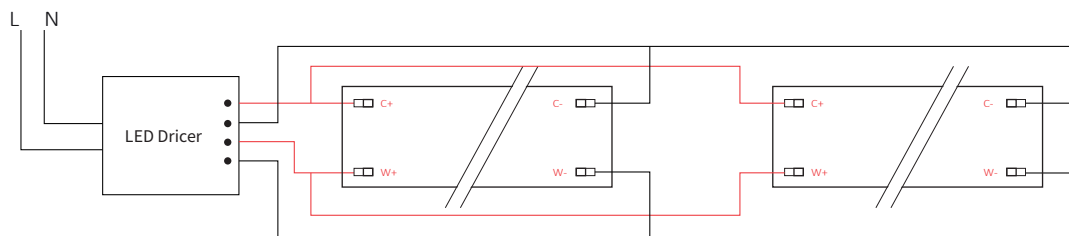


Fig3: Light bar connected in parallel



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	560×24	47	49	200	400	9.4	6.1	1410	150	2700	80
		47	49	200	400	9.4	6.1	1598	170	6500	80
RL-CM280x20A1302H006-83050		47	49	200	400	9.4	6.1	1363	145	2700	90
		47	49	200	400	9.4	6.1	1504	160	6500	90
RL-CM280x20A1302H003-92765	280×24	23	25	200	400	4.6	6.1	690	150	2700	80
		23	25	200	400	4.6	6.1	782	170	6500	80
RL-CM280x20A1302H003-93050		23	25	200	400	4.6	6.1	667	145	2700	90
		23	25	200	400	4.6	6.1	736	160	6500	90
RL-CM280x20A1303H003-82765	140×24	11	13	200	400	2.2	12.7	330	150	2700	80
		11	13	200	400	2.2	12.7	374	170	6500	80
RL-CM280x20A1303H003-83050		11	13	200	400	2.2	12.7	319	145	2700	90
		11	13	200	400	2.2	12.7	352	160	6500	90

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

Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
Tc(case temperature at Tc point)	55	75	85	℃

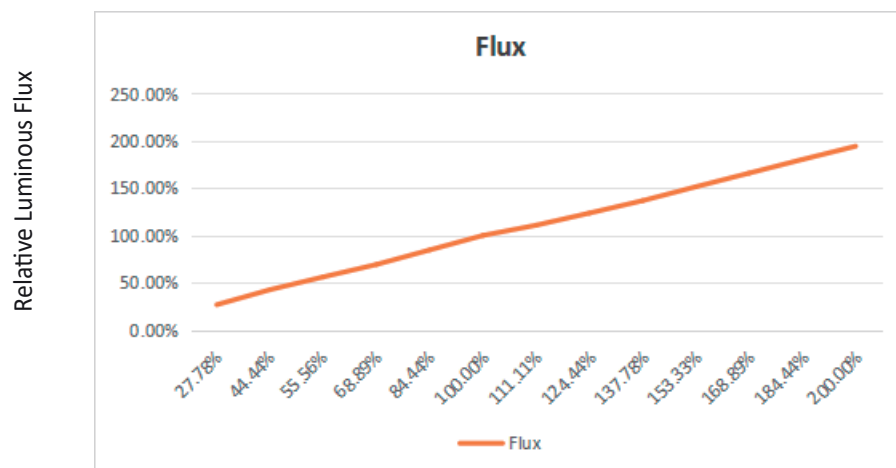
* Nominal value at which typical performance is specified

** Value at which life time is specified

*** Maximum value for safe operation, do not operate above this value

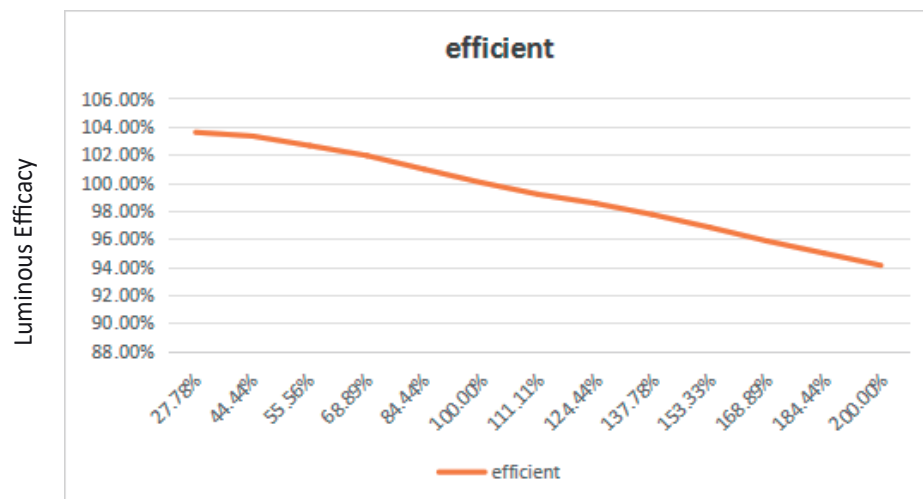
Forward Current Characteristics (Ts=25℃)

Relative Luminous Flux VS Forward Current



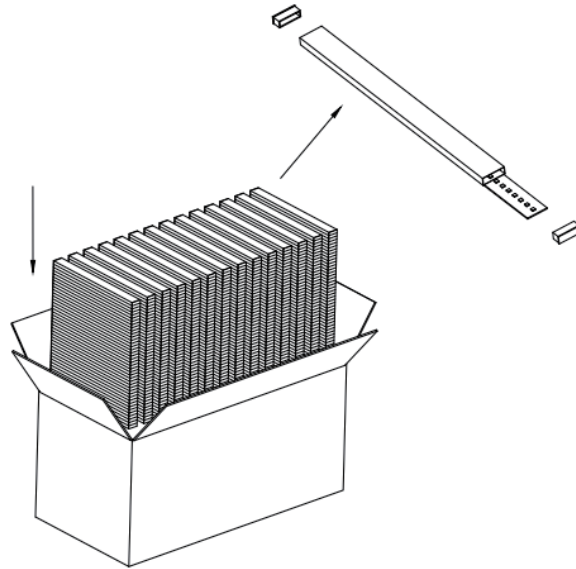
Forward Current (A)

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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