

24mm Wide Zhaga Series - 24V

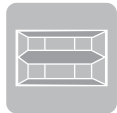


- High efficiency up to 190lm/W
- Various CCT available: 2700/3000/4000/5000/5700/6500K
- CRI:80/90 options
- Macadam 3 steps color bin
- Solutions for linear light/troffer light/panel light/wall light
- Poke in wiring connectors
- Easy & quick for Parallel or serial wiring
- Better alternative solutions for fluorescent light
- According to Zhaga book 7 requirement

General Application



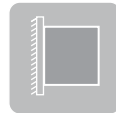
Linear light



Troffer light



Panel light

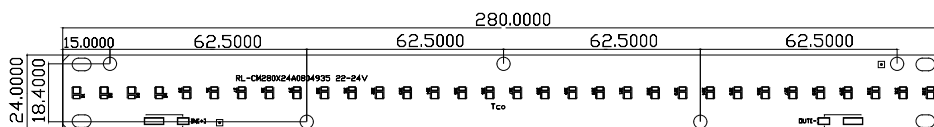
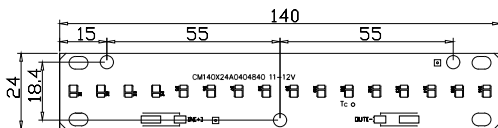


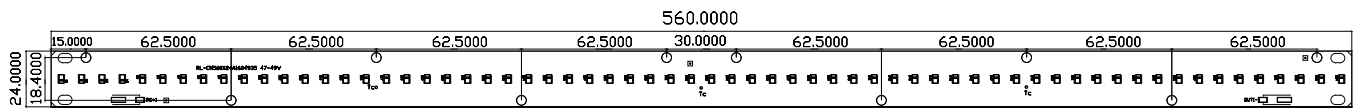
Wall light

Applied standards



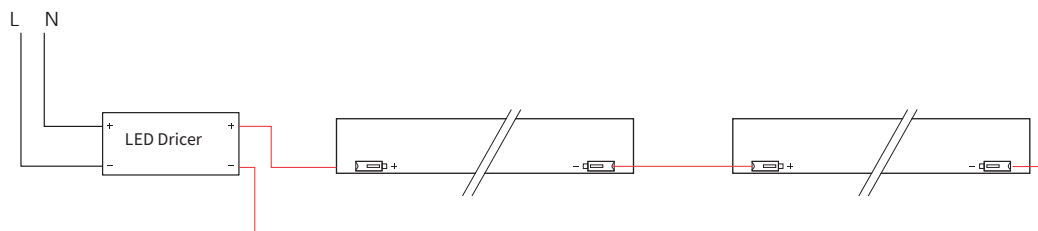
Mechanical dimension (Unit: mm)





Wiring example (RL-HM280*30A series)

Light bar connected in parallel



Wire preparation

0.2–0.75 mm²(AWG24-18)



6-10mm

Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
T _c (case temperature at T _c 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

Selection guide

P/N	Size	Voltage	Current	Power	Flux	Efficiency	CCT	CRI
	mm	Vac	MA	W	Lm	Lm/W	K	-
RL-VM600x24A0712H012-827	600x24	24.0	0.50	12	1740	145	2700	80
RL-VM600x24A0712H012-830	600x24	24.0	0.50	12	1800	150	3000	80
RL-VM600x24A0712H012-840	600x24	24.0	0.50	12	1860	155	4000	80
RL-VM600x24A0712H012-850	600x24	24.0	0.50	12	1860	155	5000	80
RL-VM600x24A0712H012-865	600x24	24.0	0.50	12	1860	155	6500	80
RL-VM500x24A0710H010-827	500x24	24.0	0.50	10	1450	145	2700	80
RL-VM600x24A0710H010-830	500x24	24.0	0.50	10	1500	150	3000	80
RL-VM600x24A0710H010-840	500x24	24.0	0.50	10	1550	155	4000	80
RL-VM600x24A0710H010-850	500x24	24.0	0.50	10	1550	155	5000	80
RL-VM600x24A0710H010-865	500x24	24.0	0.50	10	1550	155	6500	80
RL-VM100x24A0702H002-827	500x24	24.0	0.50	2	290	145	2700	80
RL-VM100x24A0702H002-830	500x24	24.0	0.50	2	300	150	3000	80
RL-VM100x24A0702H002-840	500x24	24.0	0.50	2	310	155	4000	80
RL-VM100x24A0702H002-850	500x24	24.0	0.50	2	310	155	5000	80
RL-VM100x24A0702H002-865	500x24	24.0	0.50	2	310	155	6500	80

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

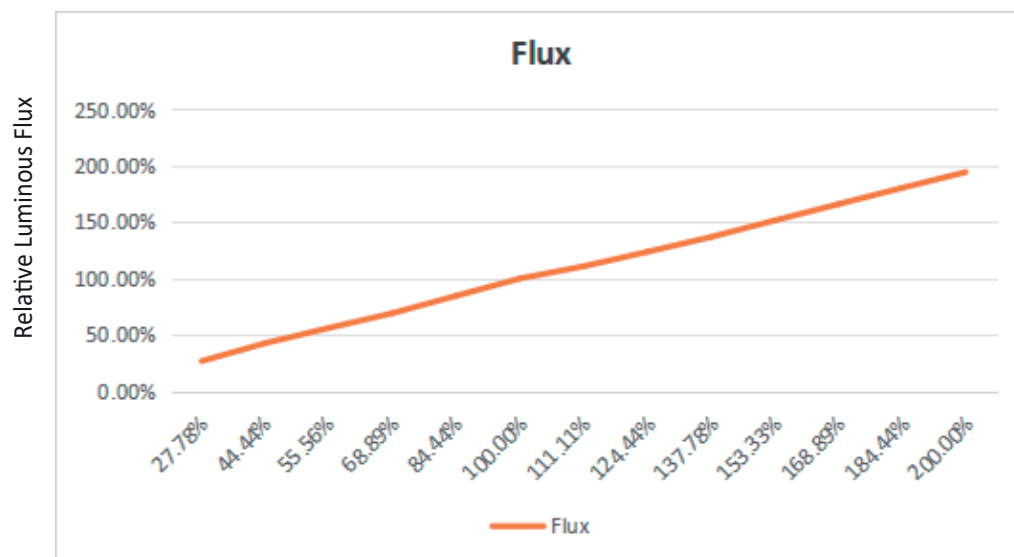
2-Typical Optical-electronic parameters above @ Ta=25℃

General information

Input	DC24V
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

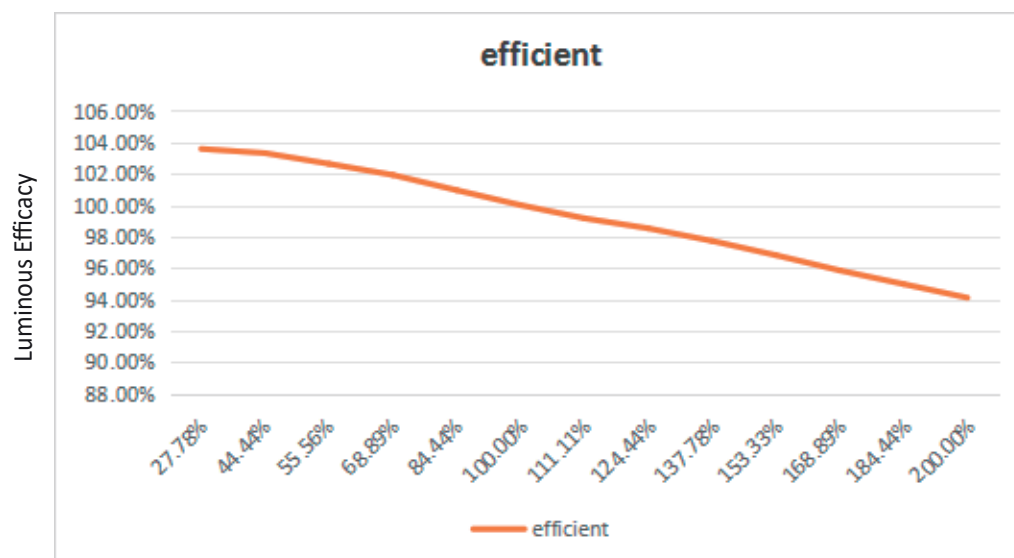
Forward Current Characteristics (Ts=25℃)

Relative Luminous Flux VS Forward Current



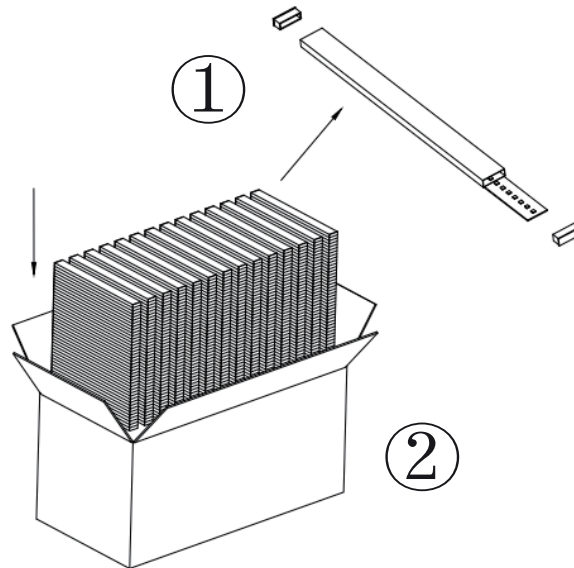
Forward Current (A)

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

Shenzhen
Relight Technology Co.,Ltd

6th Floor, Building A, Guancheng Industrial Park, Gongming Town,
Guangming District, Shenzhen, China

Tel: 86 0755 3369 1713
Web: www.relight-tech.com
E-mail: Sales@relight-tech.com