



LED Light Bar Specification

Model: RL-CM560x40A1208H
RL-CM560x24A0812H
RL-CM280x40A1204H
RL-CM280x40A0412H

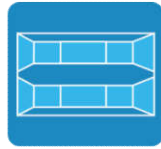
Key Features

- ✧ High efficiency up to 200lm/W
- ✧ Various CCT available: 2700/3000/3500/4000/5000/5700/6500K
- ✧ CRI:80 [90/95 options]
- ✧ Macadam 3/5 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

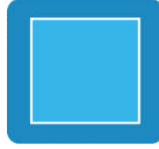
General application



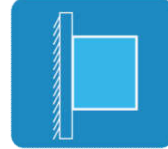
Linear light



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: EN64093

General information

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-CM560x40A1208H014-840	560*40	35	36	400	1200	14	43.2	2800	200	4000	80
RL-CM280x40A1204H007-840	280*40	35	36	200	600	7	21.6	1400	200	4000	80
RL-CM560x40A0812H014-840	560*40	23.3	24	600	1800	14	43.2	2800	200	4000	80
RL-CM280x40A0412H007-840	280*40	10.8	12	600	1800	7	21.6	1400	200	4000	80

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

Selection guide Example: CM560x40A1208H014

P/N	Size	Input	Current	Power	Flux	Efficiency	CCT	CRI
	mm	VDC	mA	W	Lm	Lm/W	K	-
RL-CM560x40A1208H014-827					2660	190	2700	
RL-CM560x40A1208H014-830					2702	193	3000	
RL-CM560x40A1208H014-835					2774	196	3500	
RL-CM560x40A1208H014-840	560*40	35	400	14	2800	200	4000	80
RL-CM560x40A1208H014-850					2842	203	5000	
RL-CM560x40A1208H014-857					2898	207	5700	
RL-CM560x40A1208H014-865					2800	200	6500	
RL-CM560x40A1208H014-927					2390	170	2700	
RL-CM560x40A1208H014-930					2430	172	3000	
RL-CM560x40A1208H014-935					2500	176	3500	
RL-CM560x40A1208H014-940	560*40	35	400	14	2520	180	4000	90
RL-CM560x40A1208H014-950					2600	185	5000	
RL-CM560x40A1208H014-957					2500	176	5700	
RL-CM560x40A1208H014-U27					2150	154	2700	
RL-CM560x40A1208H014-U30					2180	156	3000	
RL-CM560x40A1208H014-U35					2250	160	3500	
RL-CM560x40A1208H014-U40	560*40	35	400	14	2270	162	4000	95
RL-CM560x40A1208H014-U50					2340	167	5000	
RL-CM560x40A1208H014-U57					2270	162	5700	

Part Number & Explanation

RL	-	C	M	560	X40	A	12	08	H	007	-	8	40
1		2	3	4	5	6	7	8	9	10		11	12
1		Relight											
2		H: AC230V L: AC120V C: constant current V: constant Voltage											
3		M: Module series											
4		Length											
5		Width											
6		A: Aluminum P: CEM3 F: FR4 C: Copper (PCB material)											
7		Circuit											
8		Circuit											
9		Efficiency level (H: high N: normal L: low)											
10		Power; Watt											
11		CRI (8:80;9:90;U95;V:98)											
12		CCT; 27:2700K ...											

Characteristics

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

Mechanical dimension (Unit: mm)

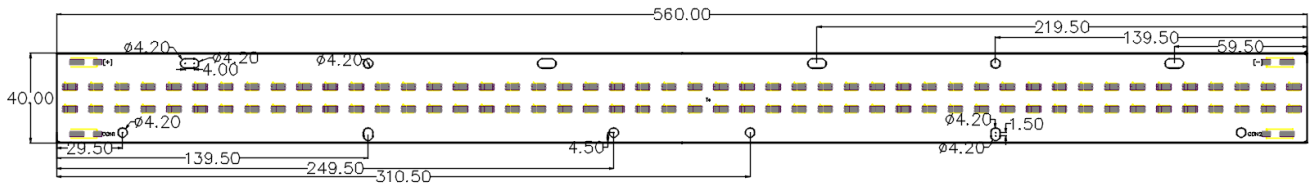


Fig1: RL-CM560x40A series outline

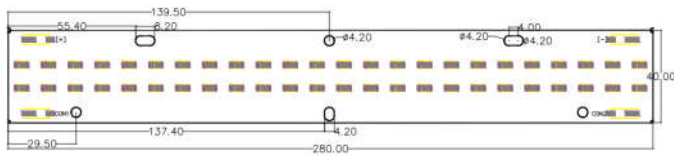
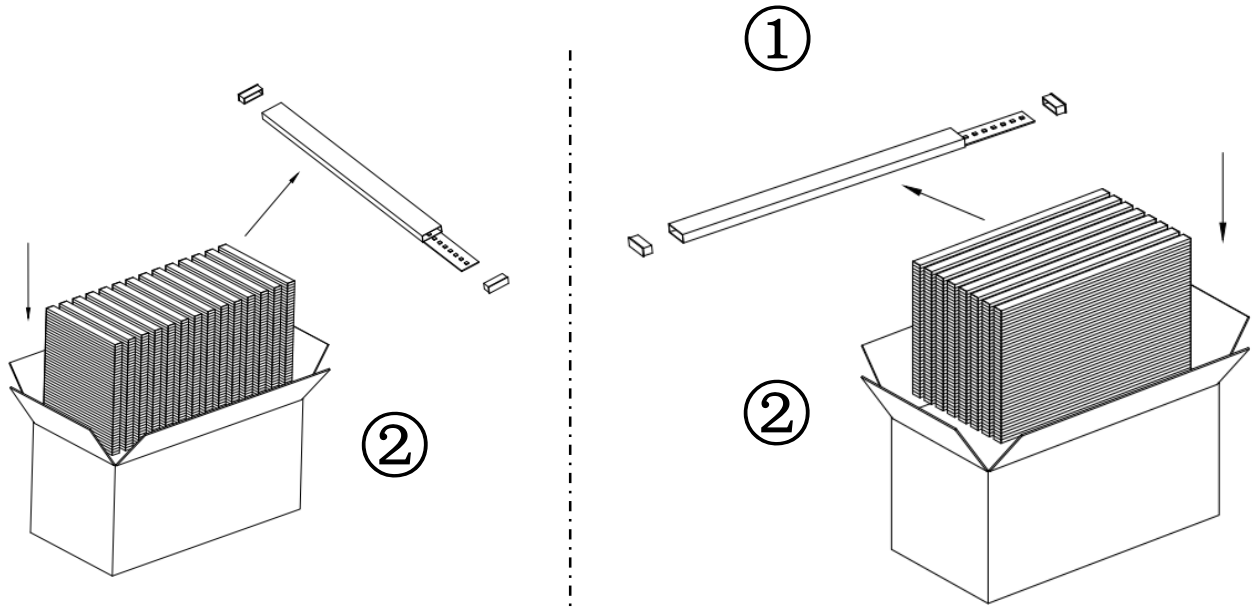


Fig2: RL-CM280x40A series outline

Package Information



Type	Detail	Per PVC tube	Per carton
RL-CM280x40A	Modules ----pcs	1	250
	Weight ----Kg	0.112	28
	Dimension ----mm	300*32*8	700*320*320
RL-CM560x40A	Modules ----pcs	1	125
	Weight ----Kg	0.224	28
	Dimension ----mm	600*32*8	700*320*320

Kitting matrix table of light bar and driver

Light-bar	RL-CM560x40A1208H014		RL-CM280x40A0412H007		RL-CM560x40A0812H014		RL-CM280x40A1204H007									
	Series	Parallel	Series	Parallel	Series	Parallel	Series	Parallel								
Driver	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
XZ-CG15B-1					2	2			1	1						
XZ-CG15B-2																
XZ-CG40B-1					2	3			1	2						
XZ-CG40B-2																
XZ-CG30B-1																
XZ-CG45B-1			2	4										2	8	
XZ-CG45B-2																
XZ-CG45B-3					4	4										
XZ-CG60B-1					3	3										
XZ-CG60B-2					4	4										

Driver List

P/N	Power W	Input Vac	Output V	Output mA	Size mm	Certification
XZ-CG15B-1	6-14	100-277	15-28	420	L97*W38*H22	CCC UL+CUL TUV CB SAA RCM CE RoHS
XZ-CG15B-2	4-18		27-42	350	L97*W38*H22	
XZ-CG40B-1	14-23		15-28	700	L120*W40*H27	
XZ-CG40B-2	18-27		27-42	550	L120*W40*H27	
XZ-CG30B-1	27-35		27-42	700	L145*W42*H29	
XZ-CG45B-1	35-40		27-42	1000	L145*W42*H29	
XZ-CG45B-2	40-48		27-42	1150	L145*W42*H29	
XZ-CG45B-3	36-45		40-52	750	L145*W42*H29	
XZ-CG60B-1	48-62		27-42	1500	L158*W53*H30	
XZ-CG60B-2	53-65		40-52	1100	L158*W53*H30	

Wiring example

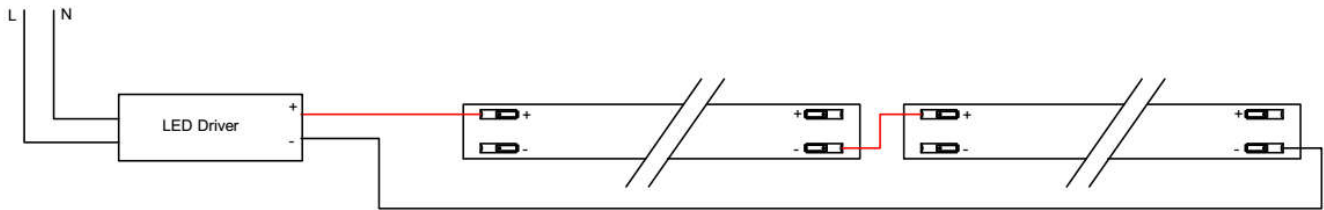


Fig4: Light bar connected in series

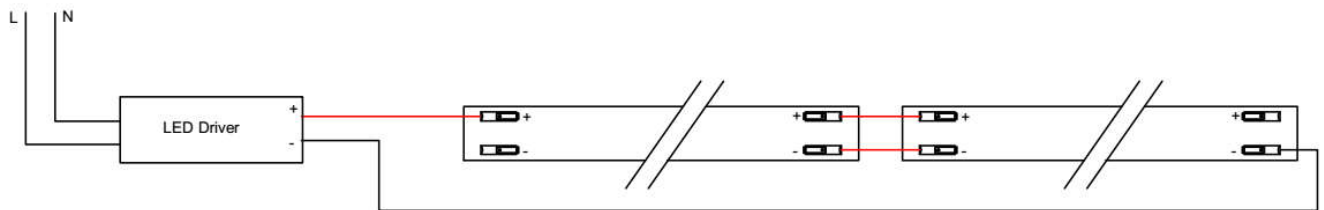
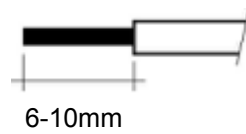


Fig5: Light bar connected in parallel

Wire preparation

0.2–0.75 mm²(AWG40-18)



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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