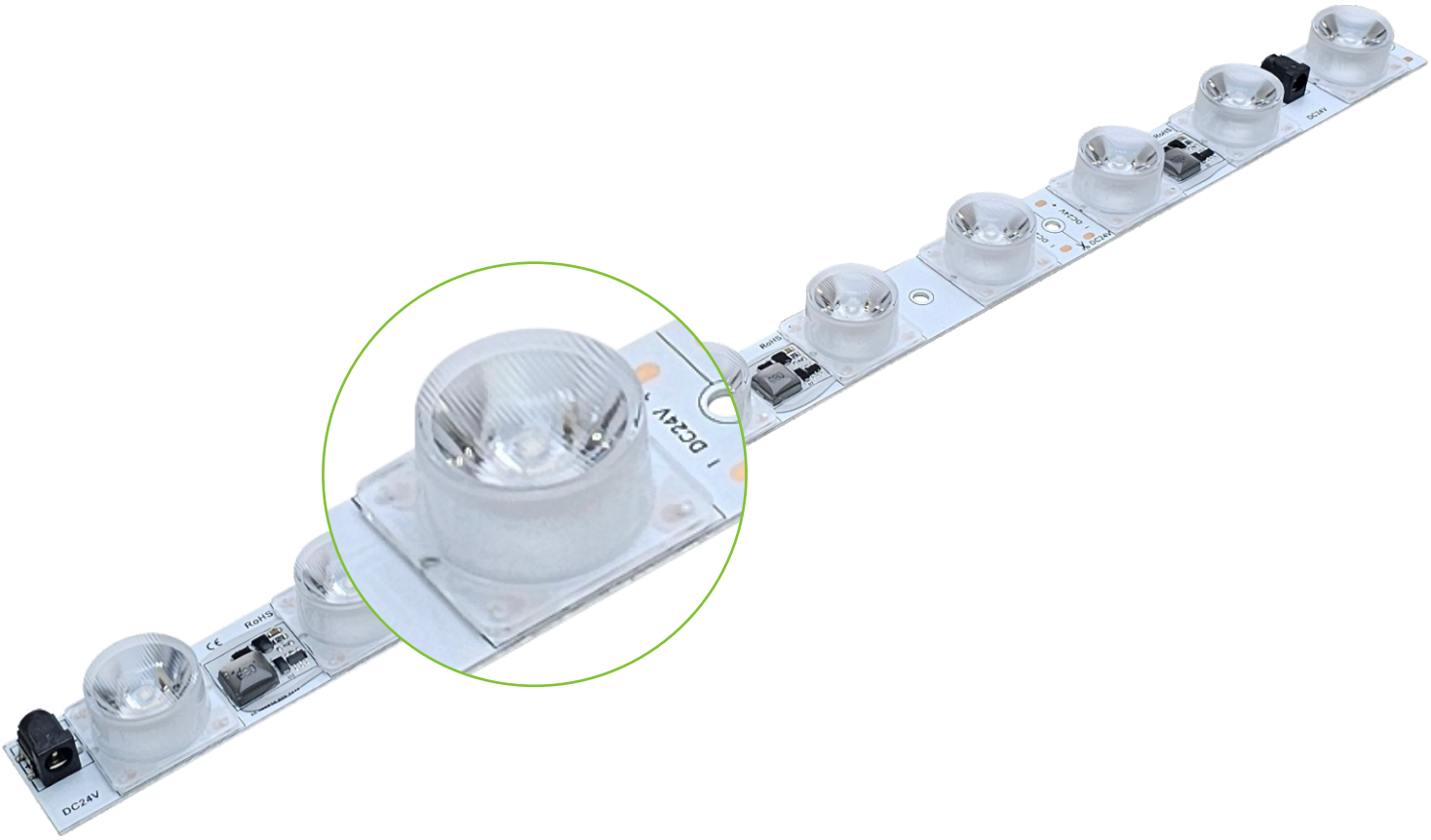
GDS LED PROFILES ACCESSORIES
GRAPHIC. DISPLAY. SYSTEMS

LG

PRODUCT DATA SHEET

MODE : 12/24V-3535
COLOR : 3000K

480*30*17,9LED'S
CONSTANT VOLTAGE 12/24DC RIGID BAR



GDS-LG RIGID BAR

UL | CE | RoHS | 3535 LG | 9 LEDS | WATTS 27 | DC 12/24V | IP 20 | 5 YEARS WARRANTY

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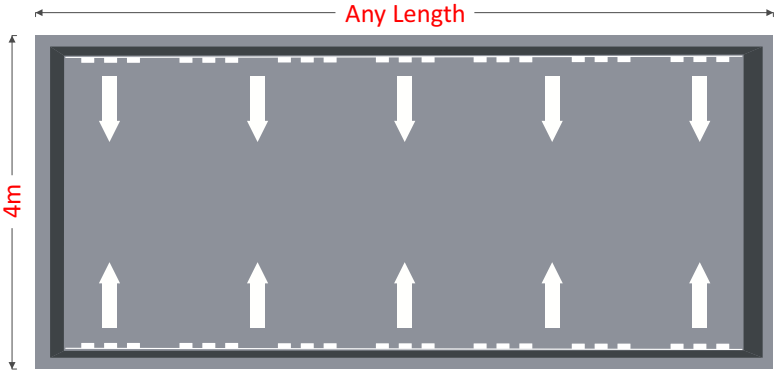
GDS-LG RIGID BAR

PRODUCT FEATURES

- ADOPT LG 3535 HIGH-POWER LED CHIP, AND THE EXCELLENT OPTICAL LENS LIGHT DISTRIBUTION DESIGN ENABLES THE PRODUCT TO BE INSTALLED SIDEWAYS, WITH UNIFORM LIGHT EMISSION AND NO DARK AREAS.
- ADOPT CONSTANT CURRENT DESIGN, WIDE VOLTAGE DC12-24V INPUT, AND CONSISTENT BRIGHTNESS FROM BEGINNING TO END.
- ADOPT DOCKING DC5521 TERMINALS FOR SEAMLESS DOCKING, AND CONVENIENT CONNECTION AND INSTALLATION.
- ADOPT SCREWS FOR FIXED INSTALLATION, WHICH IS CONVENIENT AND QUICK TO USE.
- CE AND ROHS APPROVED.

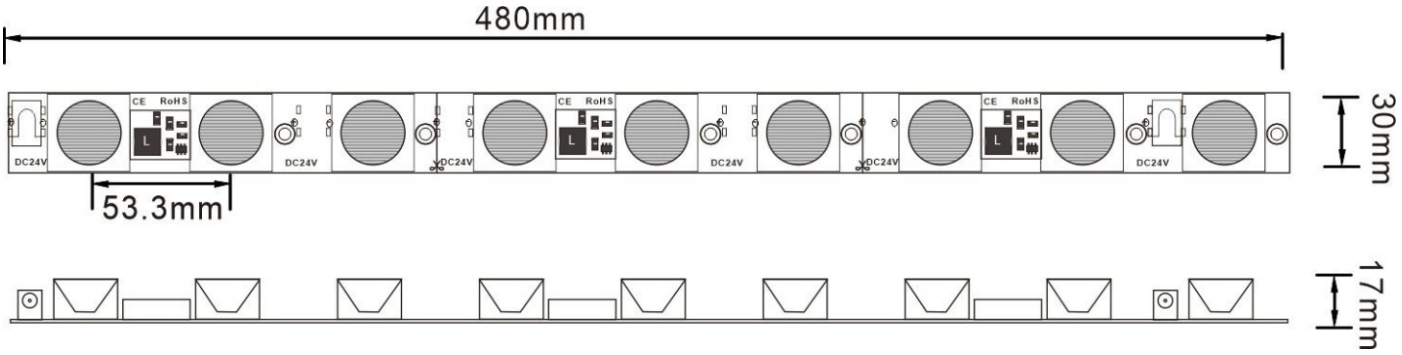
APPLICATIONS

- SUITABLE FOR 10-30CM THICKNESS, LIGHTING DISTANCE WITHIN 1.5-4 METERS, INDOOR SINGLE/DOUBLE-SIDED LIGHT BOX.



DIMENSION

UNIT IN MM



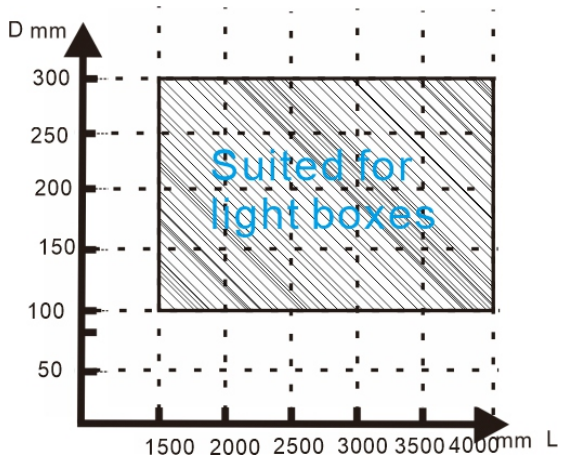
TECHNICAL PARAMETERS

ITEMS	PARAMETERS
INPUT VOLTAGE :	12/24V DC
POWER :	27W
LUMINOUS FLUX :	2700 LM/PCS
LUMINOUS EFFICIENCY :	100 LM/W
BEAM VIEWING ANGLE :	8*12
CURRENT :	1125-2250 MA/PCS
IP RATING :	IP20
LED QTY :	9
COLOR :	3000K (WARM WHITE)
LED TYPE :	3535 (LG)
DIMENSION (MM)	480*30*17
OPERATING TEMPERATURE :	-25~+50
STORAGE ENVIRONMENT TEMPERATURE :	-25~+60
DRIVING METHOD	CONSTANT VOLTAGE
WEIGHT :	125 G/PCS
MINIMUM CUTTING :	160 MM
WARRANTY :	5 YEARS

REMARK:

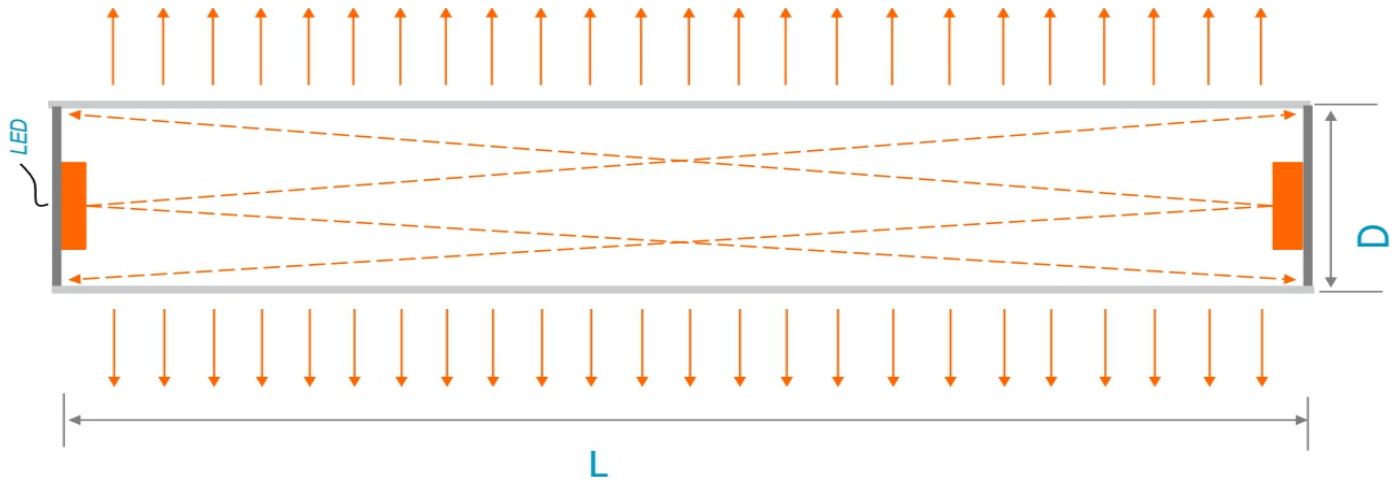
- THE TEST ENVIRONMENT TEMPERATURE IS ROOM TEMPERATURE 25±2°C, AND THE ABOVE COLOR TEMPERATURE AND WAVELENGTH ARE THE COLOR TEMPERATURE AND WAVELENGTH OF LED LAMP BEADS.
- THE ABOVE DATA ARE TYPICAL VALUES. THE ACTUAL PARAMETERS OF THE PRODUCT MAY BE DIFFERENT FROM THE TYPICAL DATA. THE DATA ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
- THE " — " ABOVE MEANS THAT THE PARAMETER IS NOT REQUIRED FOR THE TIME BEING.

THE MOST SUITABLE LIGHT BOX RANGE



RELATIONSHIP BETWEEN Y LIGHT BOX THICKNESS AND X LIGHT BOX LENGTH

GDS-LG RIGID BAR



OPTICAL PERFORMANCE RATIO = (LIGHT BOX THICKNESS) / (LIGHT BOX LENGTH) ≥ 1: 20

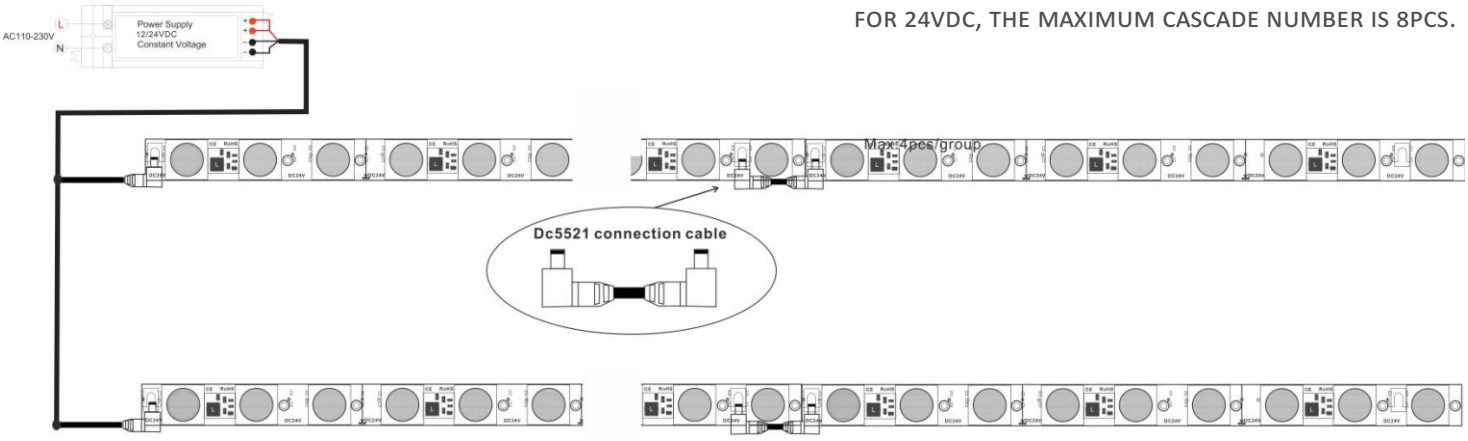
- THE RATIO OF "D" TO "L" REFLECTS THE PERFORMANCE OF THE LENS OPTICAL DESIGN.
- THE LARGER THE SCALE, THE WIDER THE SPOT.

APPLICATION RECOMMENDATION (DOUBLE-SIDED LIGHT BOX) REFERENCE DATA :

LIGHT BOX THICKNESS (MM)	LIGHTING ON BOTH SIDES LIGHT BOX LENGTH (MM)	LIGTH BOX SURFACE ILLUMINANCE (LX)	QTY OF LED BAR (PCS)
100	2000	1500	4
120	2400	1200	4
150	3000	900	4
200	4000	600	4

ELECTRICAL CONNECTION DIAGRAM:

FOR 12VDC, THE MAXIMUM CASCADE NUMBER IS 4PCS.
FOR 24VDC, THE MAXIMUM CASCADE NUMBER IS 8PCS.



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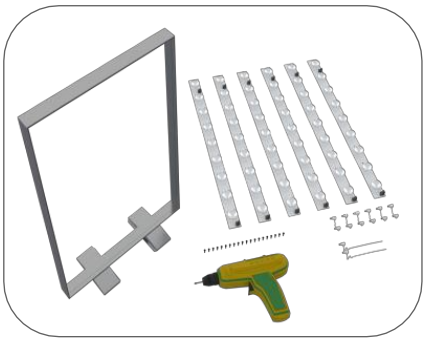
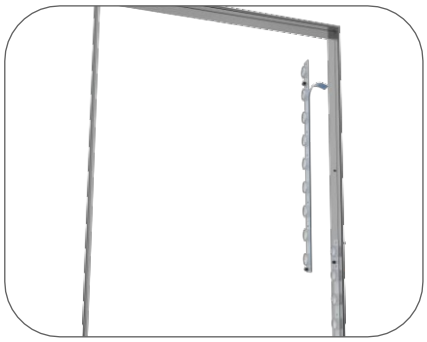
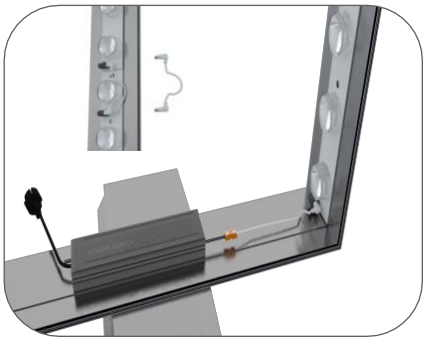
INSTALLATION STEPS:



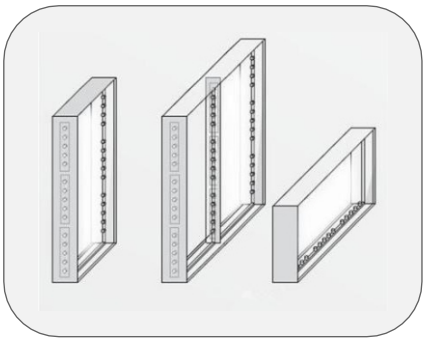
PREPARE THE TOOLS NEEDED TO INSTALL THE LED BAR/MOUNTING PROFILE



ACCORDING TO THE LENGTH OF THE LIGHT BOX, PLAN THE LENGTH OF THE LED BAR (CUT THE LED BAR), TEAR OFF THE ADHESIVE PRE-FIX, AND THEN FIX IT WITH SCREWS.



USE THE POWER CABLE TO CONNECT THE LED BAR, AND USE THE DC CONNECTOR TO CONNECT THE LIGHT STRIPS. FIX THE POWER CABLE.



POWER-ON TEST, LIGHT UP AND OBSERVE

AFTER THE TEST IS OK, INSTALL THE CANVAS.

ELECTRICAL CONNECTION DIAGRAM:

COMMON PRODUCT FAILURES AND TROUBLESHOOTING METHODS:

Fault phenomenon	Possible causes	Solution
All lights off	1. There is no electricity supply	Power transmission
	2. The power supply will automatically protect itself when the output terminal of the switching power supply is open or short-circuited.	Troubleshoot and re-energize
	3. Controller and incompatible IC	Check the wire connection status to ensure that the positive and negative poles are connected correctly.
Some lights are off	1. Some switching power supplies are not powered	Check the power supply system and troubleshoot
	2. Some of the light strip power supply circuits are wrong	
	3. Some light strips have reverse polarity	Correct wiring
	4. The number of load points exceeds the number of controller points (or set points)	The number of controller points is greater than the number of load points
	5. Signal direction connection error	The direction of the signal line is consistent with the direction of the arrow
LED brightness varies or is not bright enough	1. Power supply overload	Replace a power supply with a higher power rating according to the load
	2. The switching power supply line loss is too large or the line loss is very different	Ensure that the working voltage of the light strip is within ±5% of the rated voltage 1. Shorten the length of the power cord between the power supply and the light strip or use a wire with a larger diameter; 2. Ensure that the number of light strips on each street is less than or equal to the maximum allowed cascade number, and make the cascade number of light strips on each street similar.
	3. The light strip is longer than 5m and no power is supplied	The power needs to be replenished every 5m, and the power cord is connected to the red and white wires .
LED Flashing	1. Poor contact at the wiring point	Find the poor contact point and eliminate the fault.
	2. Switch power failure	Replace the switching power supply
	3. Signal lines and power lines are interfering with each other	Signal lines and power lines are routed separately