

Product datasheet



Side view LED bar light

- L205HW27E

Areas of application

- Illumination of lightboxes
- Backlighting of channel letters, best for 12mm to 40mm (0.47 to 1.57inch) depth double-sided light box or 10mm to 40mm (0.4 to 0.78inch) depth single-sided light box
- IP rated for outdoor use in enclosed light box

Product benefits

- Sourced by high output OSRAM LED, good color conformity and no spot
- Uniform illumination thanks to optimized elliptical lenses
- Several options for quick and simple mounting: bolting or 3M double-sided adhesive
- Cost-effective solution with reliable performance
- 10 pcs Max. in a series connection
- SDCM $\leq$ 3 each BIN
- Long lifetime 5 years warranty
- The bar light are compatible with the lightbox mounting profile

Product features

- Input Voltage (V) :24-30VDC 1370 lm/pcs
- Beam angle 15° x 45° LED Type:Osram LED
- Dimension(mm):495*27.5*15.6
- CE RoHS marked and UL listed



Electrical data

Product Description	Typical Voltage	Energy Consumption (W/PCS)	Energy Consumption (W/5PCS)	Energy Consumption (W/10PCS)	Power Supper Loading		Additional Information (Maximum Connections)
R205HW27E	24VDC	15	75	150	6PCS/100W	10PCS/150W	10pcs

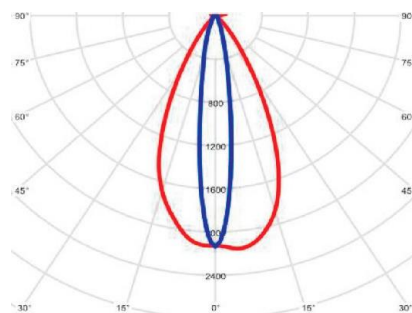
Photometrical data

Product Description	Light color (designation)	Color (CCT, wavelength)	Color Rendering Index	Typical Brightness (lumen/PCS)	Typical Brightness (lumen/5pcs)	Typical Brightness (lumen/10pcs)
R205HW27E	W/WW	6000-7000K	>75	1370	6850	13700

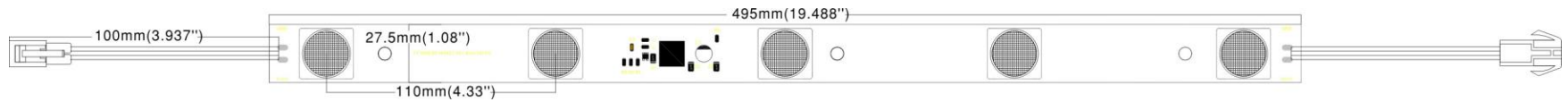
Environmental and Application Conditions

Operating Environment (t_a)	-25°C to +55°C
Storage Temperature Range (t_s)	-40°C to +85°C
Max. operating (case) temperature (t_c)	80°C
IP Rating	IP64
Lifetime (L70B50)	50,000 hours
Dimming mode	NO Dimmable
Drive method	Inner Constant Current

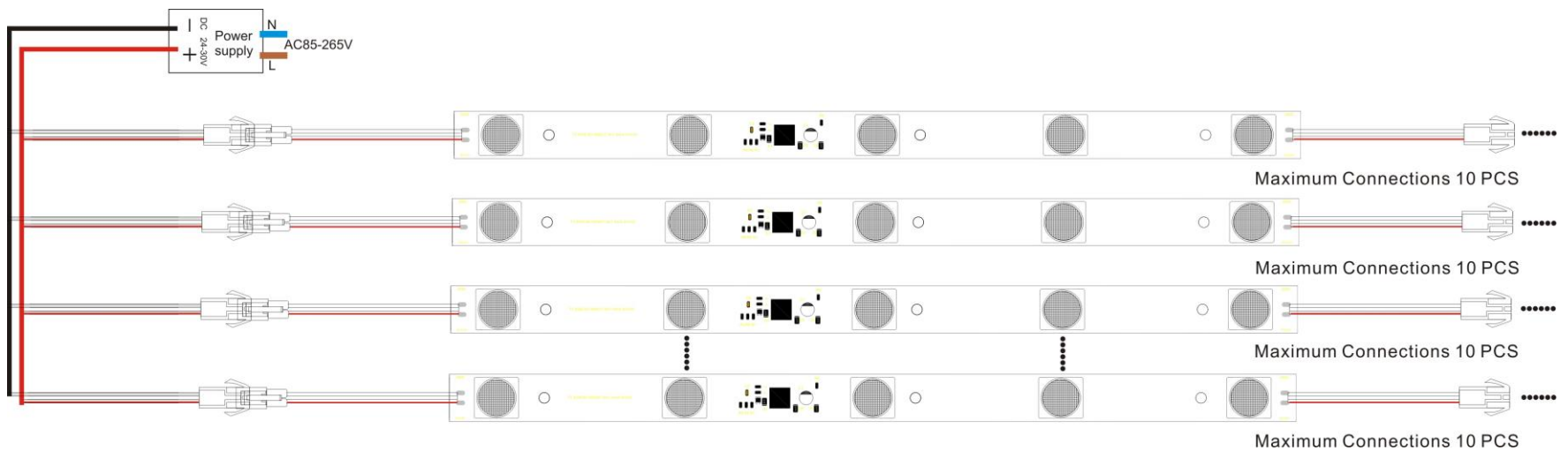
Light distribution



Product line drawing



Wiring method

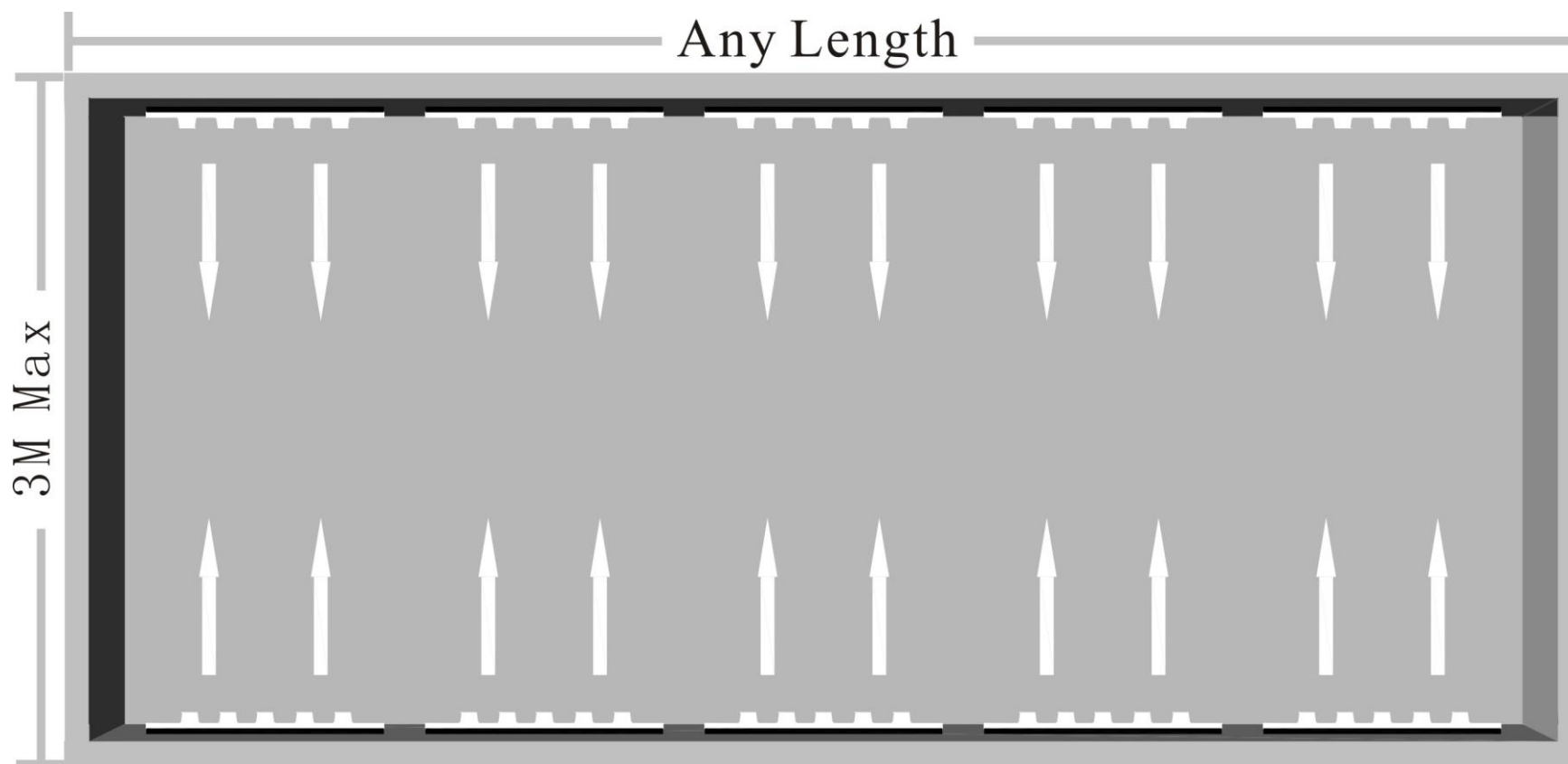


Application Notes



Thickness of light box(mm)	product quantity(pcs)	Size(mm)	Surface illuminance
150	4	1000*1000	1650-1850
200	4	1000*1000	1350-1550
250	4	1000*1000	1100-1200
300	4	1000*1000	830-950

Remark: The above data is only for reference.

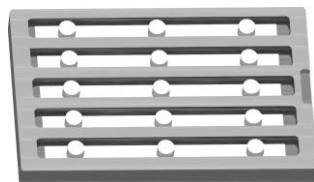


Package

Product description	Package unit (PCS/ plastic tray)	Package unit (Quantity per carton)	Carton box Dimensions (length x width x height)	Volume	Gross weight
- L205HW27E	5	50	583*242*270	4.73(1±10%)	6.53(1±10%)



L205HW27E



5PCS Per plastic tray



10 plastic tray per carton



50PCS PER Carton

Additional product information

- Installation of the product (with power supplies) needs to be made under consideration of all valid regulations and norms.
- Installation by qualified electrician only.
- The products can be installed by screws, rivets as well as silicon gel, while please do not use Acidic or alkaline adhesive.
- The high power LEDs generates more heat, so please install the products on the surface of material with good heat dissipation such as metallic or aluminium panel.
- Parallel connection is mandatory for safe electrical operation. Serial connection of the product is discouraged. Unbalanced voltage drop in serial connection can cause hazardous overload
- Electrical contact is achieved with the contact cables or the terminals of the product. Please refer to the technical data for maximum number of the product that can be operated on one control gear.
- To avoid mechanical damage, the product have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
- The product are no dimmable product.