

Bar Illumination - HL Series

Features

- Standard mold and stitching installation ensured structure stability.
- Special optical lenses equipped to concentrate the ray.
- In addition to available models, the bar lights with various sizes or colours can be customized easily according to request.

Applications

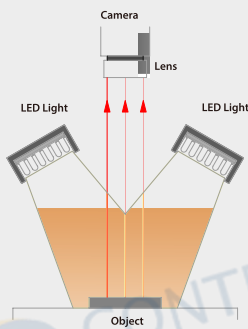
- IC marking inspection, inspection of components on glass substrates
- Dirt inspection on cap sides and inside surfaces
- Wafer appearance inspection
- Solder inspection and connector pitch inspection
- Inspection, etc. of BGA, QFP, etc.



Convex lens



Illumination Structure

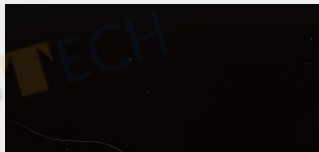


Examples of Bar Light Images

Lights: HL7426W

Inspect PCB printing characters.

Can check the object whose surface is smooth and glossy. Meet the needs overcome the reflective surface and highlight the surface details. The bar lights to illuminate from side can solve the light reflecting problem.



Lights: HL-8015B

Inspect bar code on cigarette box.

The surface is very smooth and reflect light. Needs to overcome the reflective surface and highlight the details. Choose this bar light to illuminate object from side can solve can Light-reflecting.

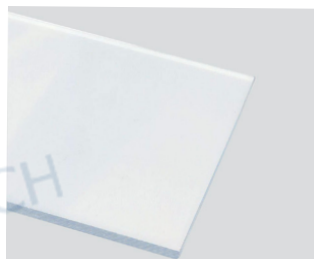


Common Specifications

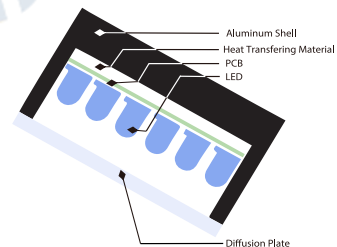
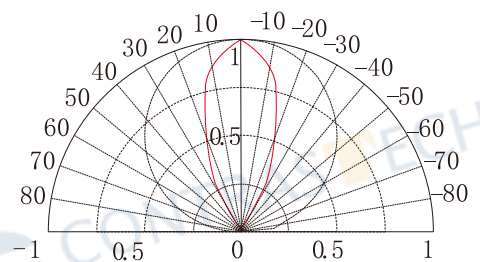
Input voltage	24 VDC
Connector	SMR-03V-B
Wavelength range	Red: 620-630nm; Blue: 465-475nm; Green: 515-530nm; White: 6000-10000K(ColorTemperature)
Cable length	500 mm
Optional Accessory	Diffusion plate, Polarizing plate. DC extension cable: 1m/2m/3m
Operating environment (indoor)	Temperature: 0~40°C Humidity: 20% to 85% RH (with no condensation)
Life time	White: 30,000hrs, Red: 60,000hrs (Depends on the operating environment, not a gurantee)
Case material	Aluminum alloy, Resin

Optional Accessory: Diffusion Plate

To be mounted in front of the LED lighting. Used to soften the lighting output, so as to reduce the glares on specular surface.



Illuminated Angle Diagram



Explanation of Model Code HL Series

VT-LT2-HL	119	16	(W/B/G/R)
Series	Emitting Length	Emitting Width	Color

Model No.	Optical spec.		Electrical specifications (GREEN / NIR / UV Accept custom)				Dimensions		
	Light Area		Number of lamp beads	Supply Voltage (v)	Power cons. (w) ●	Power cons. (w) ● ●	Length (mm)	Width (mm)	Height (mm)
	Length (mm)	Width (mm)							
VT-LT2-HL4016	40	16	3	24	1.3	1.7	52	20	24
VT-LT2-HL8016	80	16	3	24	2.7	6.9	92	20	24
VT-LT2-HL12016	120	16	3	24	3.5	4.5	132	20	24
VT-LT2-HL15816	158	16	3	24	5.5	7.0	172	20	24
VT-LT2-HL19716	197	16	3	24	6.0	7.5	209	20	24
VT-LT2-HL7430	74	30	6	24	6.6	12.1	86	34	24
VT-LT2-HL8630	86	30	6	24	2.6	4.4	98	34	24
VT-LT2-HL9830	98	30	6	24	3.0	5.0	110	34	24
VT-LT2-HL14630	146	30	6	24	3.5	5.8	158	34	24
VT-LT3-HL15030	160	30	6	24	5.2	8.7	162	34	24
VT-LT2-HL17030	170	30	6	24	6.1	10.2	182	34	24
VT-LT2-HL18030	180	30	6	24	6.8	11.5	192	34	24
VT-LT2-HL19430	194	30	6	24	7.0	12.1	206	34	24
VT-LT2-HL21830	218	30	6	24	7.8	13.7	230	34	24
VT-LT2-HL26630	266	30	6	24	9.6	16.7	278	34	24
VT-LT2-HL29030	290	30	6	24	10.5	18.2	302	34	24
VT-LT2-HL38630	386	30	6	24	14.6	25.3	398	34	24
VT-LT2-HL43430	434	30	6	24	16.4	28.5	446	34	24
VT-LT2-HL57830	578	30	6	24	21.9	38.0	590	34	24

Dimension

