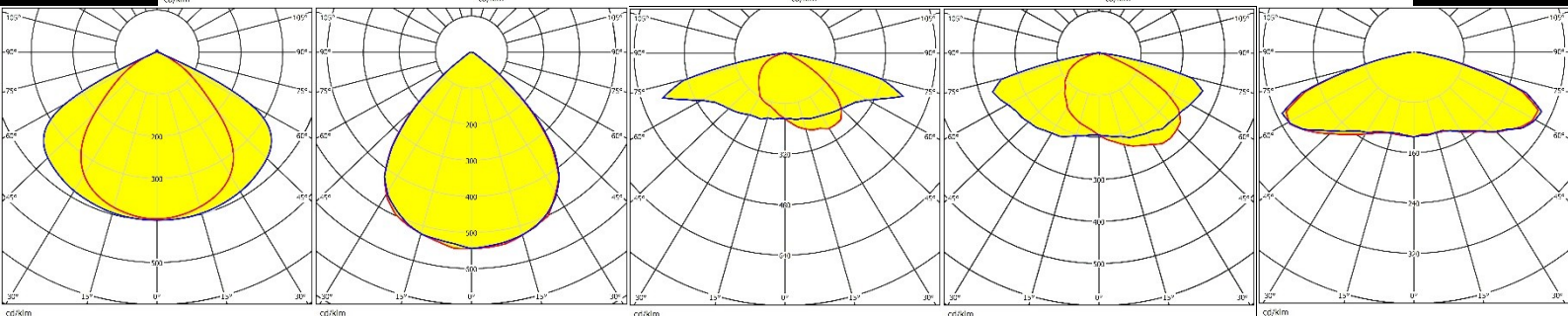
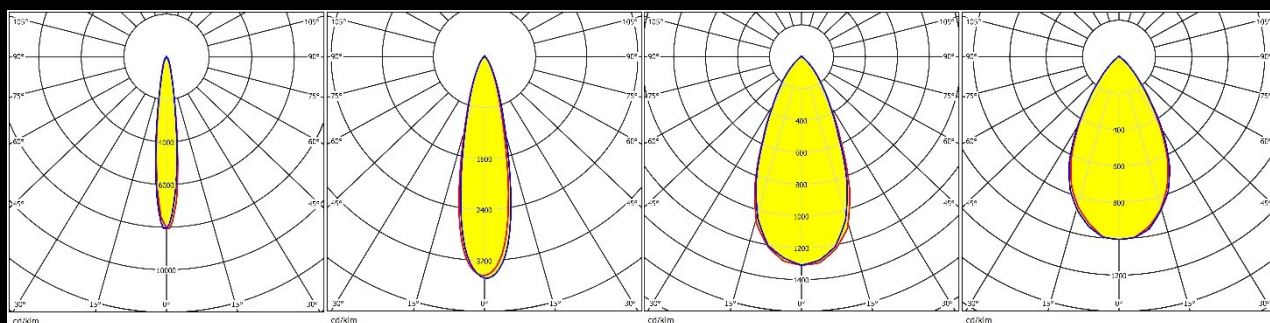
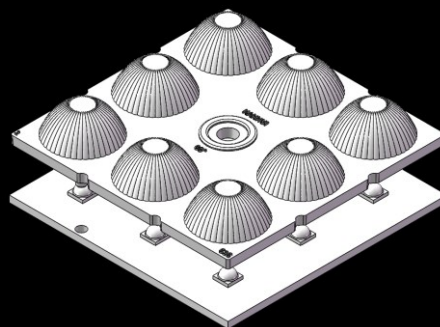


Data Sheet

HH-616-8×1-xx-PH5050



深圳市汉辉光电有限公司

Shenzhen Hanhui Photoelectricity Co., Ltd

地址：深圳市宝安区石岩街道水田社区石龙仔路71号1栋

ADD: Building 1, No. 71, Shilongzai Road, Shuitian Community,

Shiyan Street, Bao'an District, Shenzhen, China

TEL: 86-755-29232420

FAX: 86-755-83723765

<http://www.szhanhui.com> <http://linsen4880.1688.com>



Data Sheet

catalogue

General Information	P.1
Optical Specifications	P.2-6
Mechanical Specifications	P.7
Package Specifications	 P.8

*Product Nomenclature

HH-616-8 × 1-xx-PH5050

H1 H2 H3 H4 H5 H6 H7

H1: The company's initials in Pinyin (Han Hui)

H2: Mold number

H3: Lens quantity

H4: The number of lamp beads inside each optical surface

H5: Lens angle/type (ex: 60、90、T2M、T3M)

H6: LED type (ex: CREE-CR、SAMSUNG-SS、PHILIPS-PH.....)

H7: LED size (ex:2835、3030、3535、.....)



HH-616-8×1-xx-5050**General Information****v1.0_20240325** **Features & Typical Applications**

- Available with 9 beam angles
- High efficiency
- optimized Uniformity
- Lens without Holder
- Street Lamp

 Material Information

Lens Material: PC 1225Z

Operating Temperature range $-40^{\circ}\text{C} \sim +110^{\circ}\text{C}$ (upper limit $+120^{\circ}\text{C}$).

Storage Temperature range $-40^{\circ}\text{C} \sim +110^{\circ}\text{C}$ (upper limit $+120^{\circ}\text{C}$).

*Average transmittance in visible spectrum $400\text{nm} \sim 700\text{nm} > 90\%$.

 Usage and Maintenance

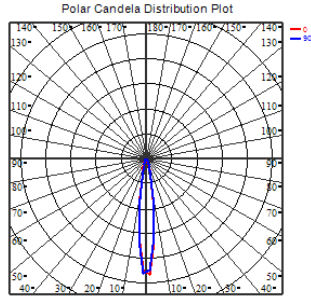
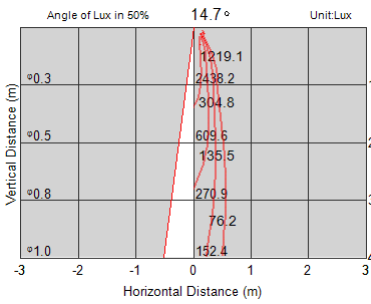
1. If necessary, clean lenses with mild soap, water and soft cloth.
2. Never use any commercial cleaning solvents on lenses, like alcohol.
3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.

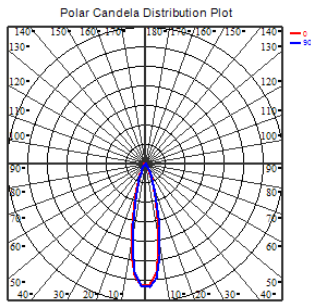
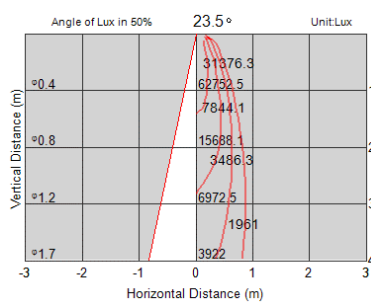


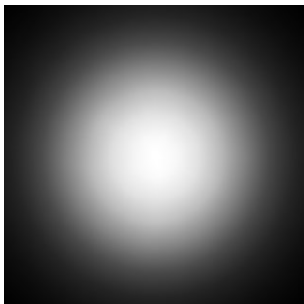
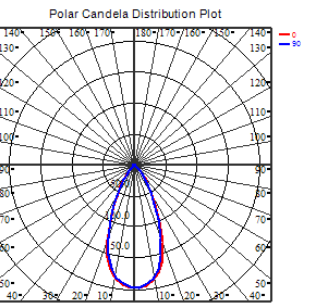
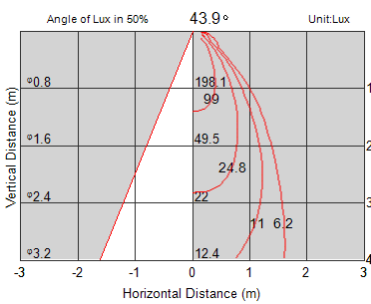
HH-616-8×1-xx-5050

Optical Specifications

v1.0_20240325

Part Number	FWHM	Field Angle*	cd/lm	IES File
HH-616-8×1-15-OS3737	15°	31°	8	Download
				
Beam Pattern	Candela Distribution	Illuminance Distribution		

Part Number	FWHM	Field Angle*	cd/lm	IES File
HH-616-8×1-25-PH5050	25°	52°	3.48	Download
				
Beam Pattern	Candela Distribution	Illuminance Distribution		

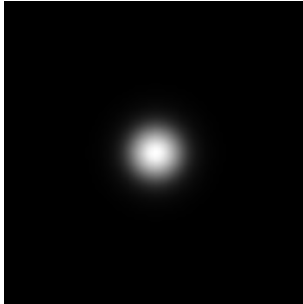
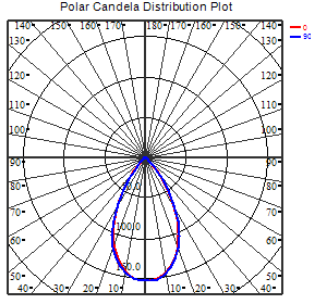
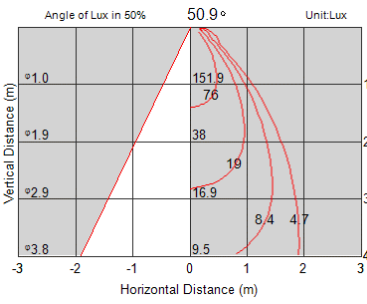
Part Number	FWHM	Field Angle *	cd/lm	IES File
HH-616-8×1-45-PH5050	45°	83°	1.3	Download
				
Beam Pattern	Candela Distribution	Illuminance Distribution		

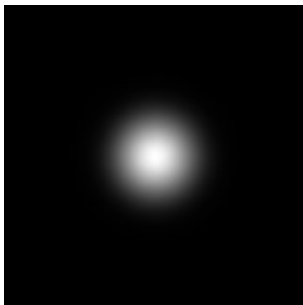
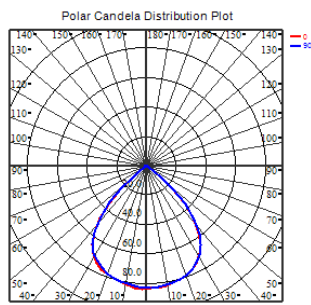
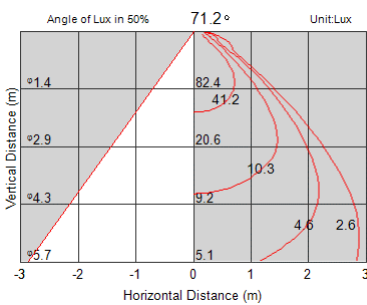


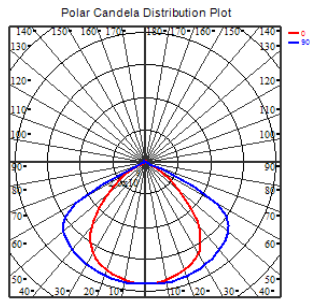
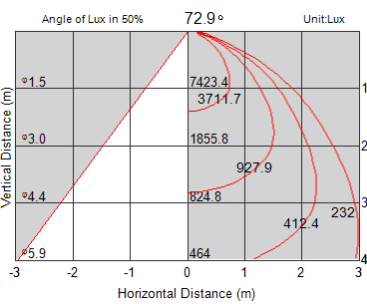
HH-616-8×1-xx-5050

Optical Specifications

v1.0_20240325

Part Number	FWHM	Field Angle*	cd/lm	IES File
HH-616-8×1-60-PH5050	60°	90°	1	Download
				
Beam Pattern	Candela Distribution	Illuminance Distribution		

Part Number	FWHM	Field Angle*	cd/lm	IES File
HH-616-8×1-90-PH5050	90°	108°	0.55	Download
				
Beam Pattern	Candela Distribution	Illuminance Distribution		

Part Number	FWHM	IES File
HH-616-8×1-90120-PH5050	90×120°	Download
		
Beam Pattern	Candela Distribution	Illuminance Distribution

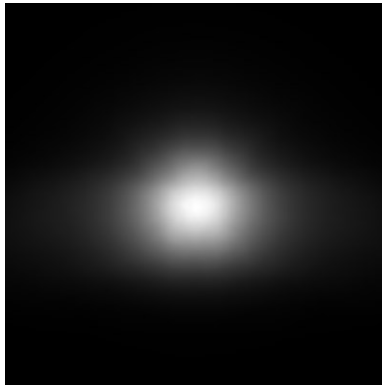


HH-616-8×1-xx-5050

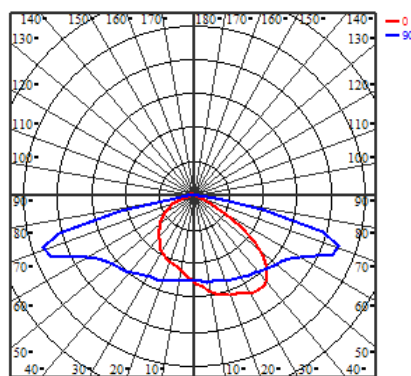
Optical Specifications

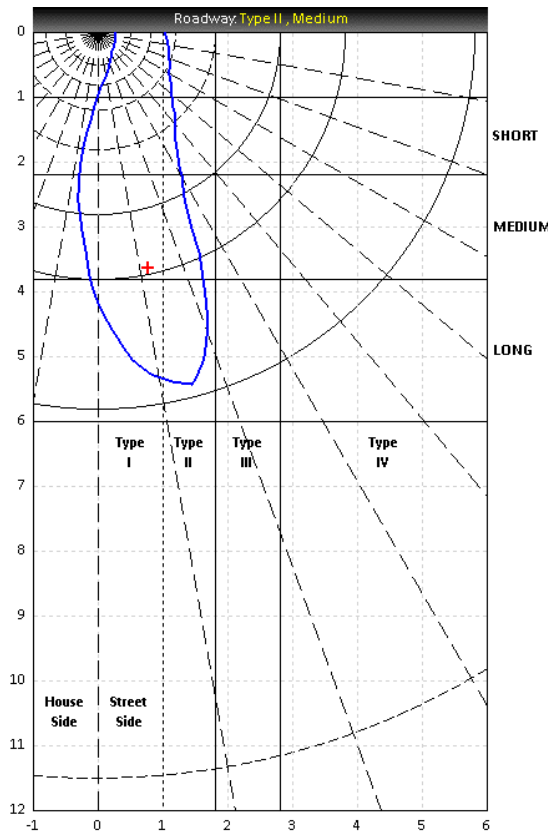
v1.0_20240325

Part Number	FWHM	Candela Distribution Type	IES File
HH-616-8×1-T2M-3535	80×150	T2-M	Download

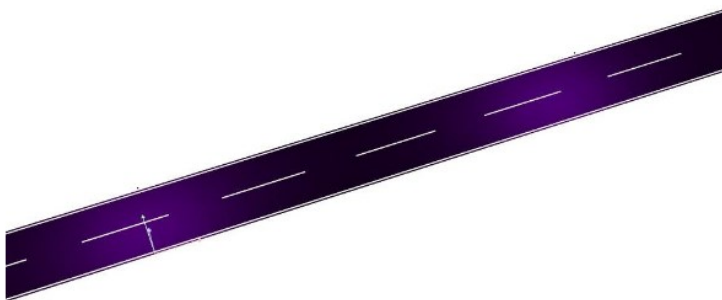


Polar Candela Distribution Plot





DIALux Simulation Result （Two lanes、R3W3、ME4a）



Note: Lav-Average Luminance
U₀-Brightness Uniformity
U_L-Brightness longitudinal Uniformity
TI-Threshold increment
SR-Surround ratio

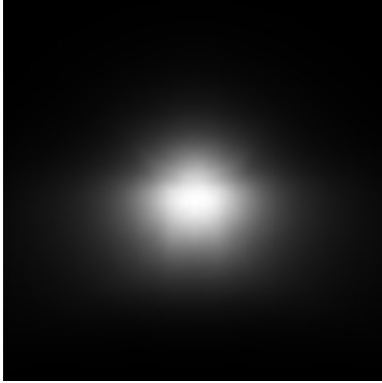
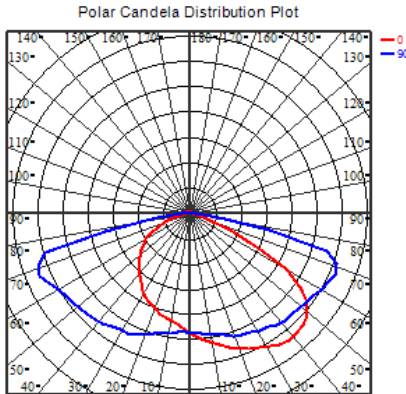
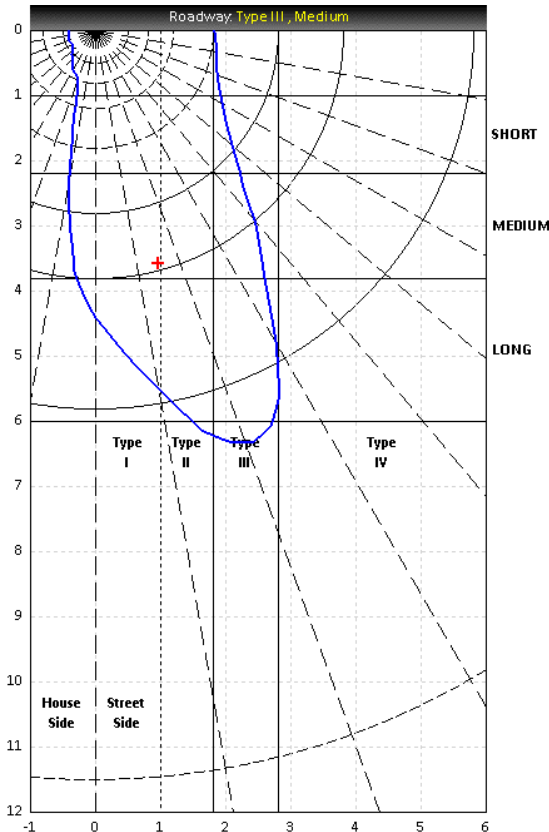
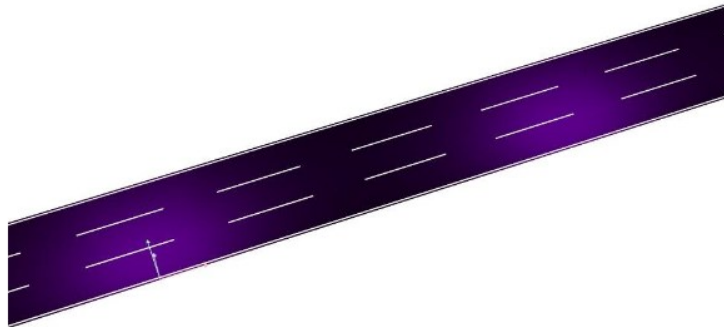
Recommend configuration condition	
Luminous Flux	15000lm
Lamp Collocation	Unilateral
Height	10m
Distance	40m
Roadwidth	7m
Elevation	0°
Overhang	0.5m
Result	
Lav	1.13
U ₀	0.51
U _L	0.75
TI(%)	12
SR	0.74



HH-616-8×1-xx-5050

Mechanical Specification

v1.0_20240325

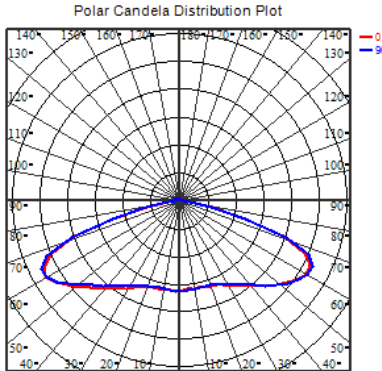
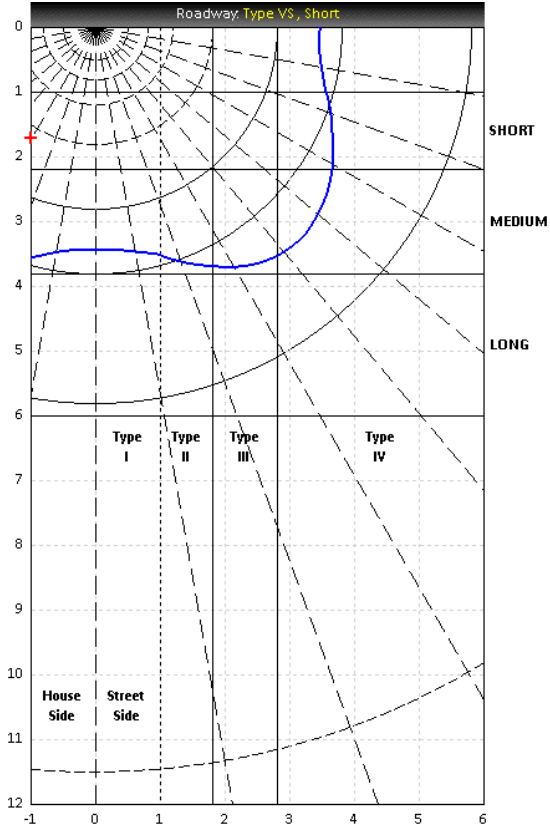
Part Number	FWHM	Candela Distribution Type	IES File
HH-616-8×1-T3M-3535	100×150	T3-M	Download
 			
DIALux Simulation Result （Three lanes、R3W3、ME4a）			
 Note: Lav-Average Luminance U₀-Brightness Uniformity U_L-Brightness longitudinal Uniformity TI-Threshold increment SR-Surround ratio		Recommend configuration condition	
		Luminous Flux	20000lm
		Lamp Collocation	Unilateral
		Height	10m
		Distance	40m
		Roadwidth	10.5m
		Elevation	0°
		Overhang	1m
		Result	
		Lav	1.04
		U ₀	0.41
		U _L	0.70
		TI(%)	11
		SR	0.62



HH-616-8×1-xx-5050

Mechanical Specification

v1.0_20240325

Part Number	FWHM	Candela Distribution Type	IES File
HH-616-8×1-T5-PH5050	145	T5	Download
 			



HH-616-8×1-xx-5050

Optical Specifications

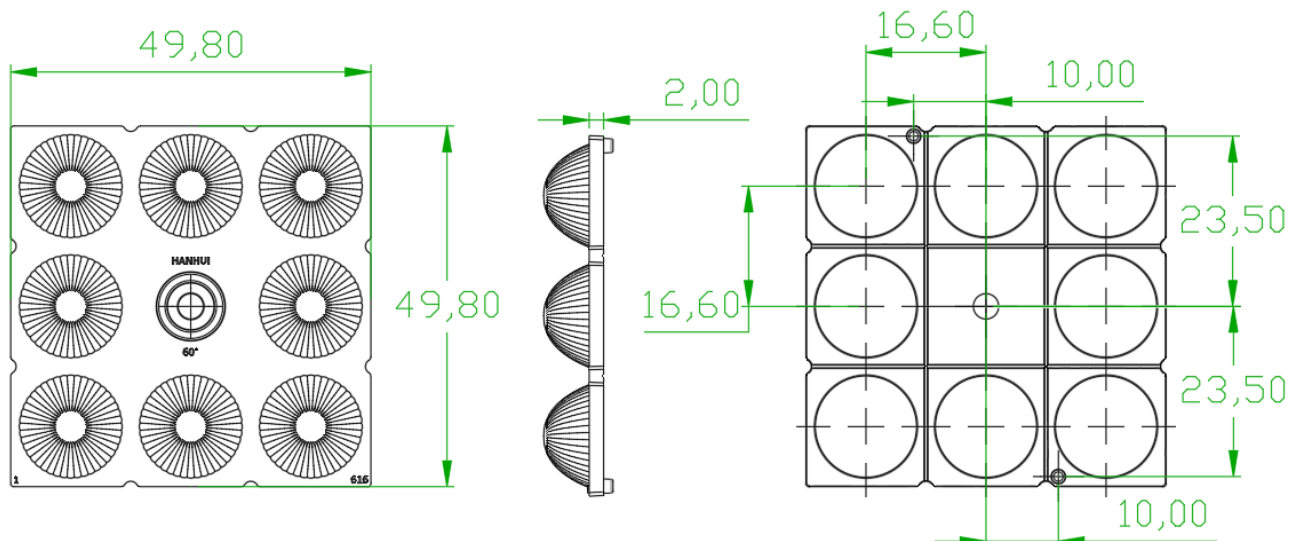
v1.0_20240325

Note: (1) All dimensions are in mm.
(2) All measurements are $\pm 0.15\text{mm}$ unless otherwise indicated.

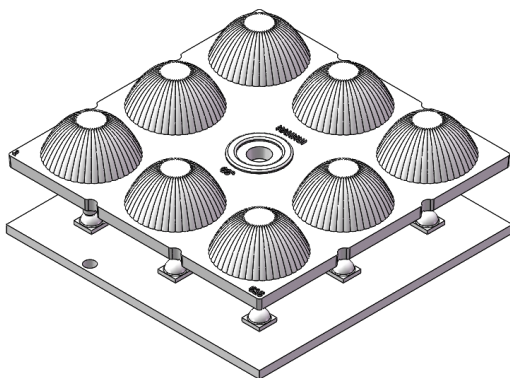
1. Fixing method

☐ Glue ☒ Screw ☐ Tape ☐ Fixing-ring ☐ Frame

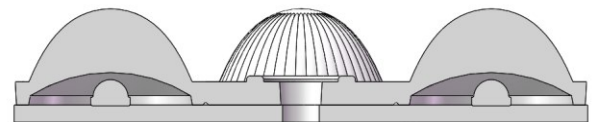
2. Lens dimension



3. Assembly instruction



4. View assembly lens with MCPCB



HH-616-8×1-xx-5050

Package Specifications

v1.0_20240325

Item	Quantity	Total	Size(L*W*H)	G.W
plastic box				
outer box				



Note:

