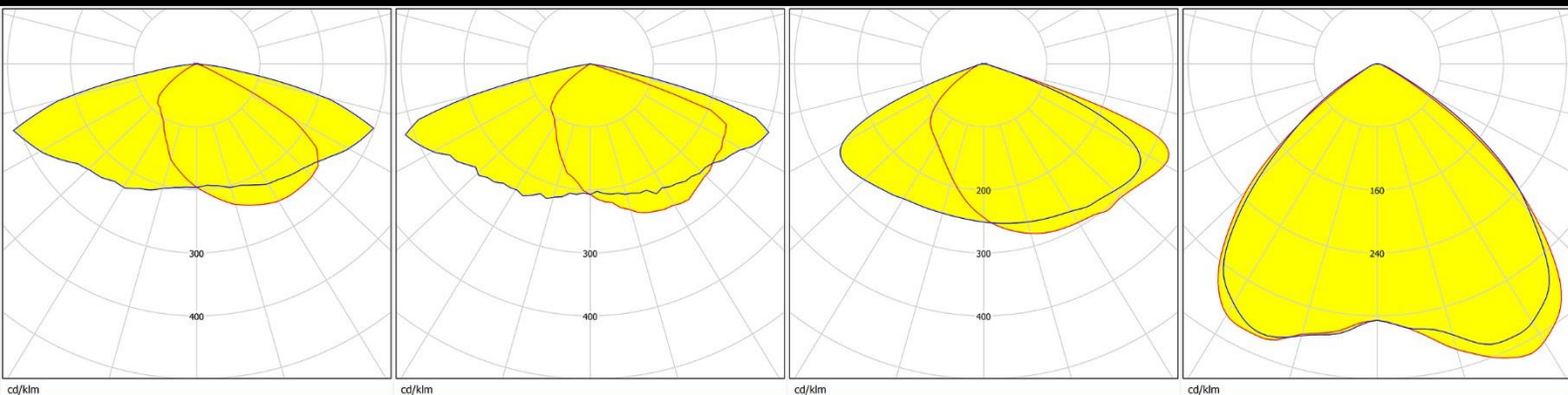
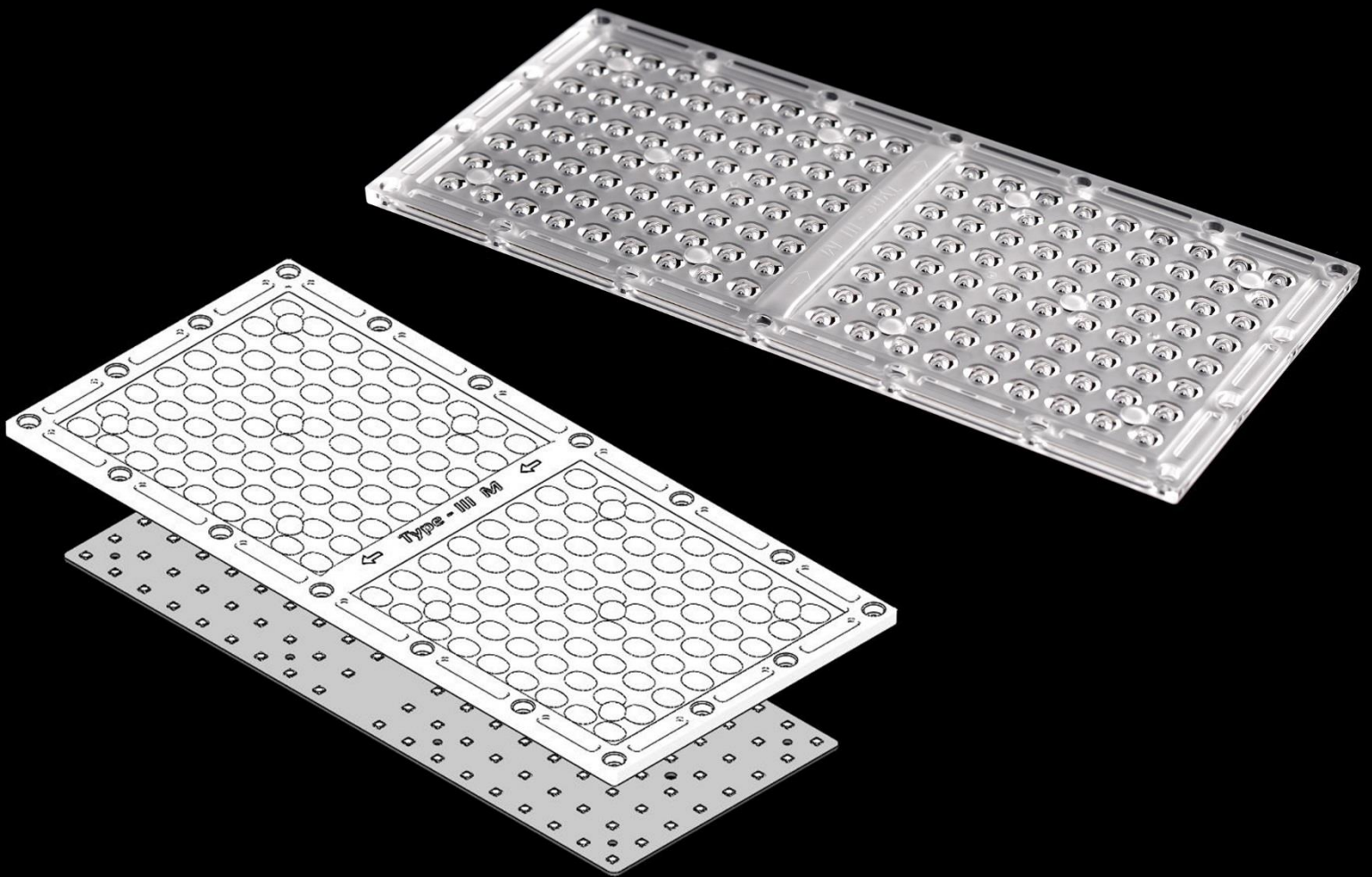


# Data Sheet

HH-112-144×1-xx-PH3030



**深圳市汉辉光电有限公司**  
shenzhen hanhui photoelectric co.,Ltd.

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# Data Sheet

## catalogue

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### \*Product Nomenclature

HH-112-144 × 1-xx-PH3030

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-112-144×1-xx-PH3030

## General Information

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### ◆ Features & Typical Applications

- Available with 4 beam angles
- High efficiency
- optimized Uniformity
- Lens without Holder
- Roadway Lighting
- Park Lighting

### ◆ 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

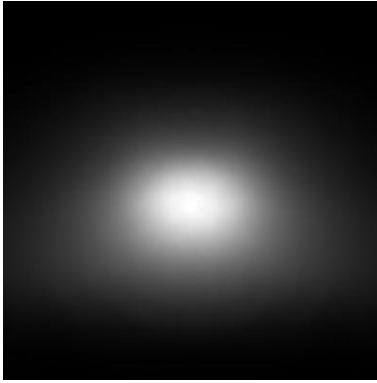
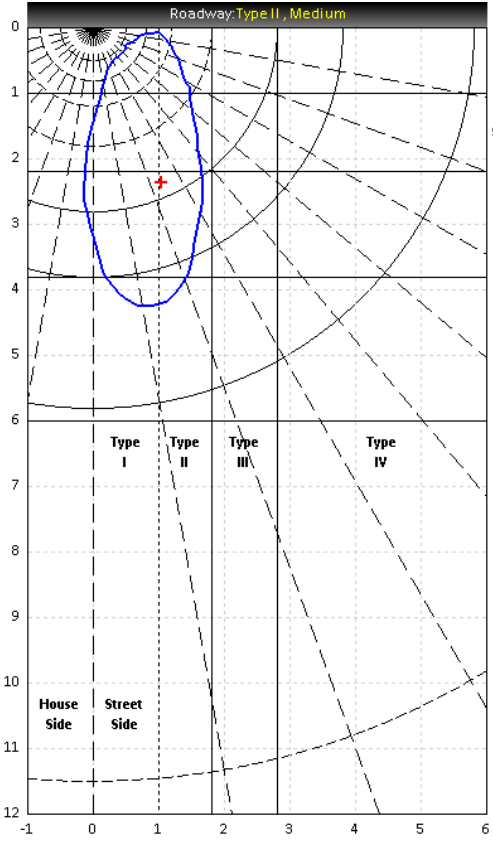
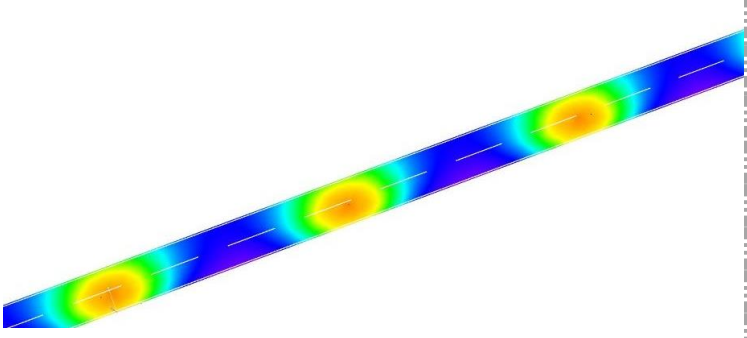
1. If necessary, clean lenses with mild soap, water and soft cloth.
2. Never use any commercial cleaning solvents on lenses, like alcohol.
3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.



# HH-112-144×1-xx-PH3030

## Optical Specifications

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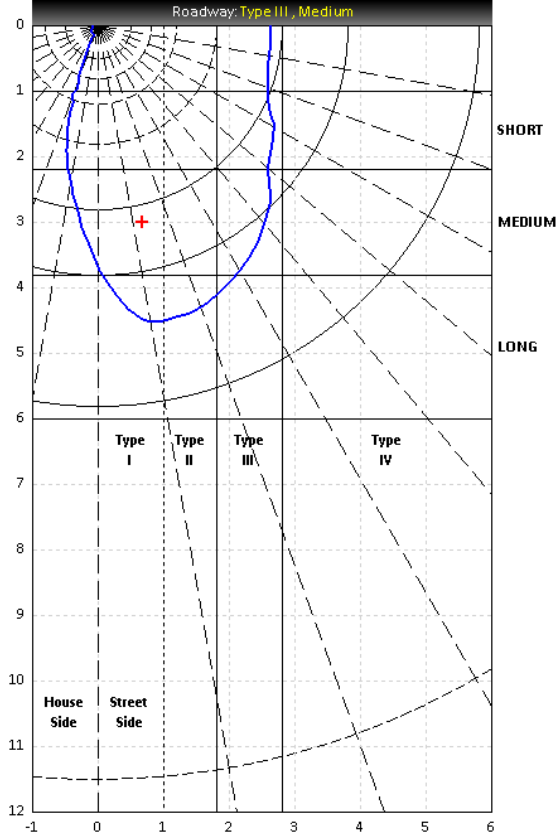
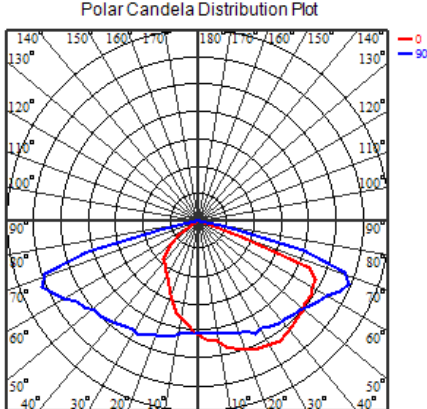
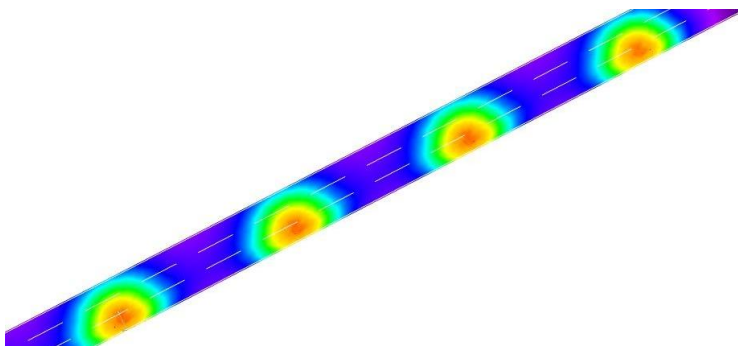
Part Number	FWHM	Candela Distribution Type	IES File
HH-112-144×1-T2M- PH3030	85×155	Type II Medium	<a href="#">Download</a>
 <p>Polar Candela Distribution Plot</p>		 <p>Roadway: Type II, Medium</p>	
<b>DIALux Simulation Result (two lanes、R3W3、ME4a)</b>			
		Recommend configuration condition	
		Luminous Flux	17500lm
<p>Note: Lav-Average Luminance                      U<sub>0</sub>-Brightness Uniformity                      U<sub>L</sub>-Brightness longitudinal Uniformity                      TI-Threshold increment                      SR-Surround ratio</p>		Lamp Collocation	Unilateral
		Height	10m
		Distance	40m
		Roadwidth	7.5m
		Elevation	0°
		Overhang	1m
		Result	
Lav	1.18		
U <sub>0</sub>	0.58		
U <sub>L</sub>	0.85		
TI(%)	10		
SR	0.74		



# HH-112-144×1-xx-PH3030

## Optical Specifications

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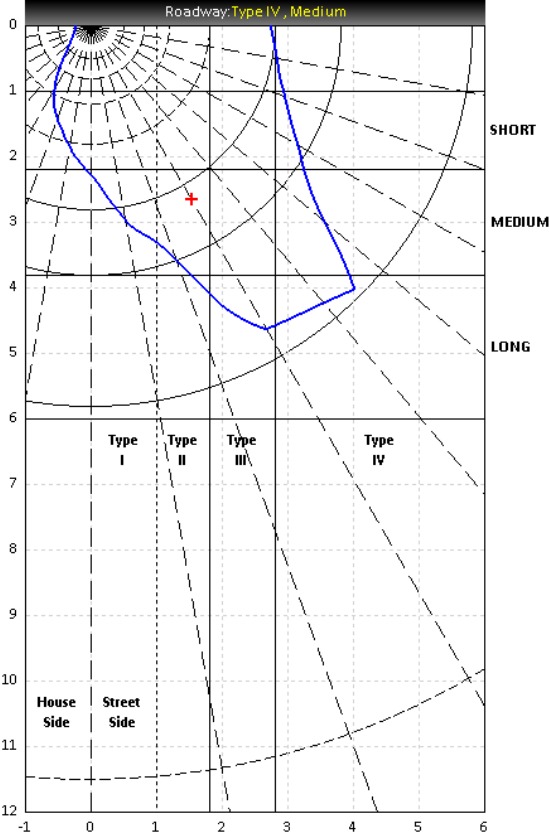
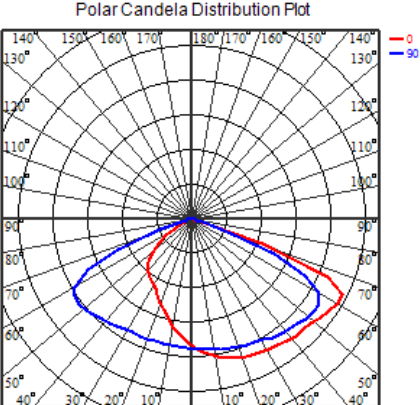
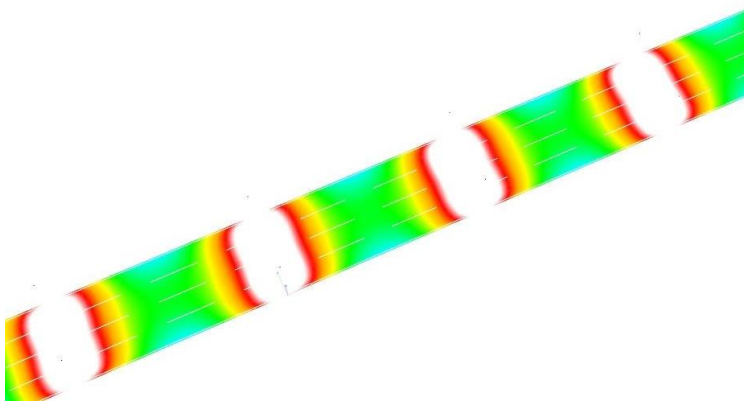
Part Number	FWHM	Candela Distribution Type	IES File
HH-112-144×1-T3M- PH3030	95×150	Type III Medium	<a href="#">Download</a>
			
			
<b>DIALux Simulation Result (three lanes、R3W3、ME4a)</b>			
		Recommend configuration condition	
		Luminous Flux	17500lm
		Lamp Collocation	Unilateral
		Height	10m
		Distance	40m
		Roadwidth	11.25m
		Elevation	0°
		Overhang	1m
		Result	
		Lav	0.88
		U <sub>0</sub>	0.43
		U <sub>L</sub>	0.75
		TI(%)	12
		SR	0.64
<p>Note: Lav-Average Luminance            U<sub>0</sub>-Brightness Uniformity            U<sub>L</sub>-Brightness longitudinal Uniformity            TI-Threshold increment            SR-Surround ratio</p>			



# HH-112-144×1-xx-PH3030

## Optical Specifications

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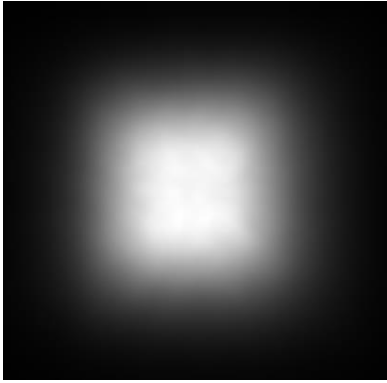
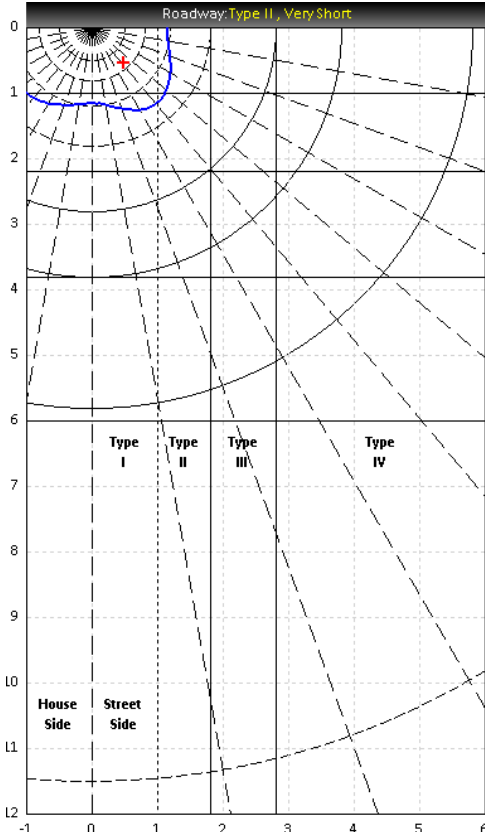
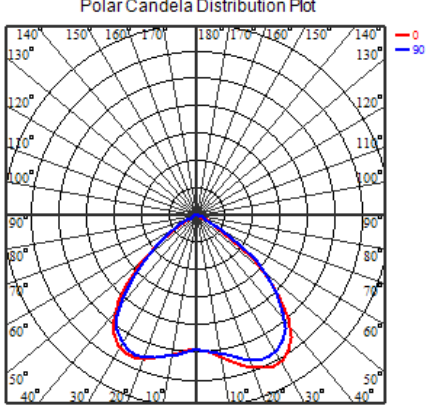
Part Number	FWHM	Candela Distribution Type	IES File
HH-112-144×1-T4M- PH3030	90×140	Type IV Medium	<a href="#">Download</a>
			
			
DIALux Simulation Result (four lanes、R3W3、ME4a)			
		Recommend configuration condition	
		Luminous Flux	17500lm
		Lamp Collocation	Bilateral Symmetry
		Height	10m
		Distance	35m
		Roadwidth	15m
		Elevation	0°
		Overhang	1m
		Result	
		Lav	1.54
U <sub>0</sub>	0.60		
U <sub>L</sub>	0.68		
TI(%)	8		
SR	0.66		
<p>Note: Lav-Average Luminance                      U<sub>0</sub>-Brightness Uniformity                      U<sub>L</sub>-Brightness longitudinal Uniformity                      TI-Threshold increment                      SR-Surround ratio</p>			



# HH-112-144×1-xx-PH3030

## Optical Specifications

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Part Number	FWHM	Candela Distribution Type	IES File
HH-112-144×1-T5S- PH3030	140°	Type V Short	<a href="#">download</a>
			
			



# HH-112-144×1-xx-PH3030

## Mechanical Specification

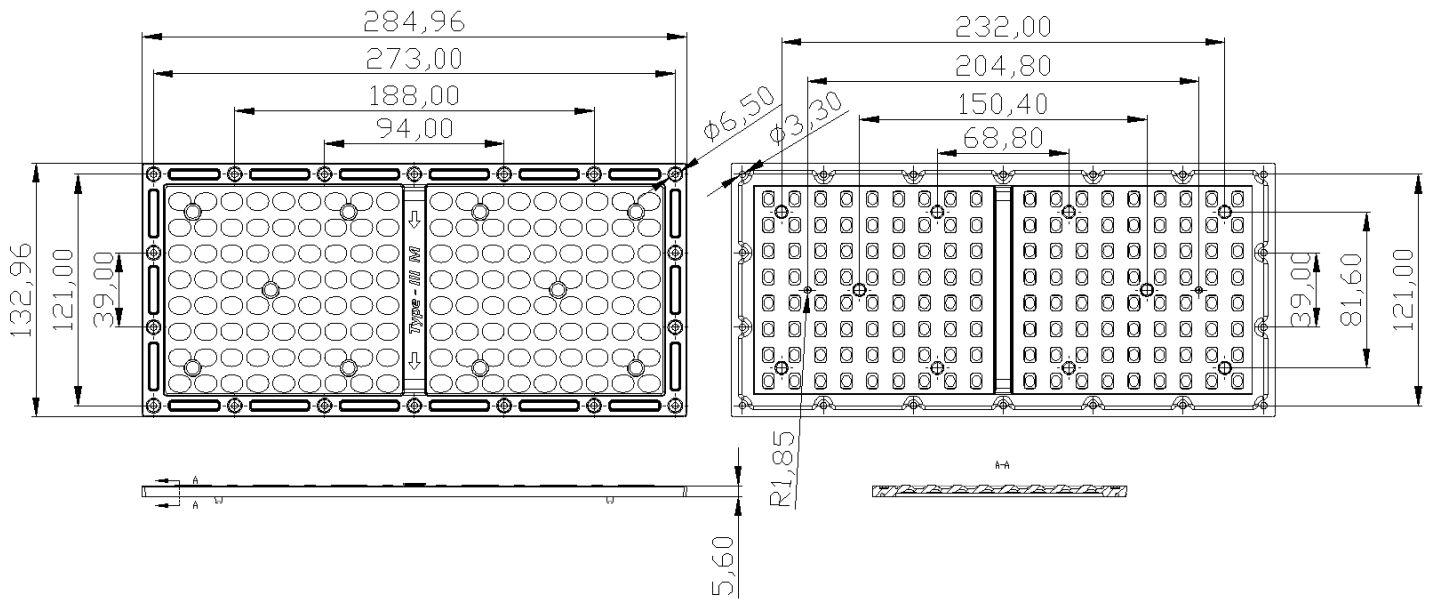
v1.0\_20181011

### 1. Fixing method

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

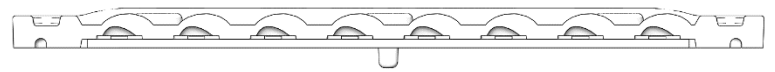
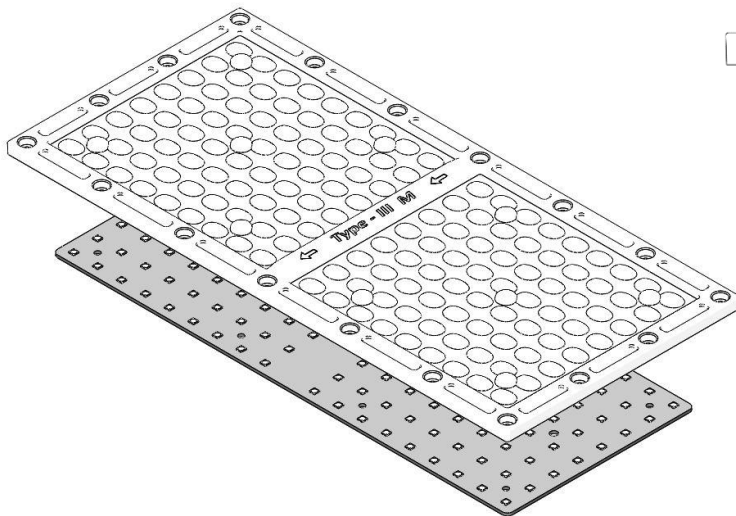
- Glue     
  Screw     
  Tape     
  Fixing-ring     
  Frame

### 2. Lens dimension



### 3. Assembly instruction

### 4. View assembly lens with MCPCB



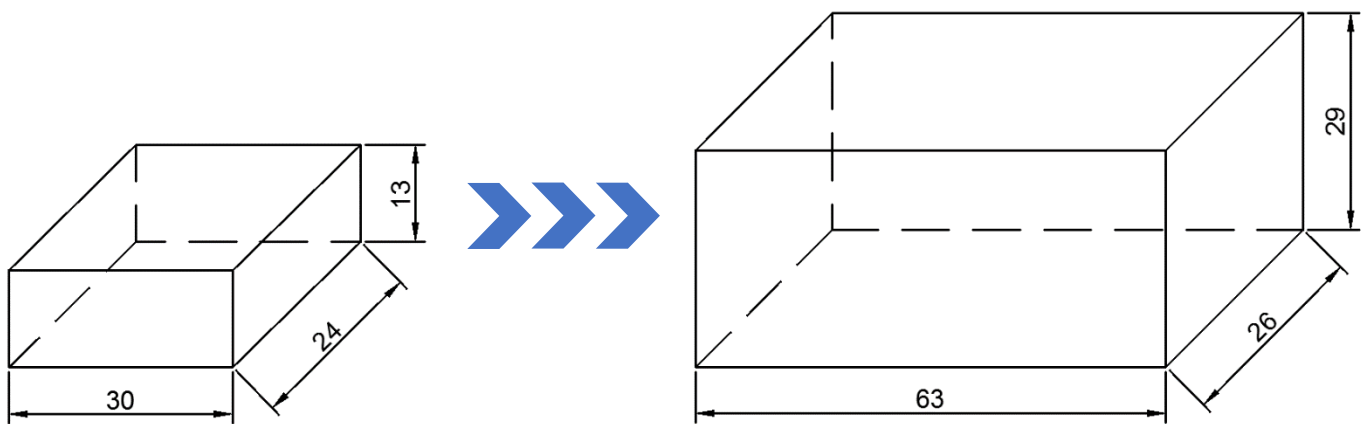


# HH-112-144×1-xx-PH3030

## Package Specifications

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Item	Quantity	Total	Size(L*W*H)	G.W
plastic box	-	24 PCS	30*24*13cm	
outer box	4 plastic box/outer box	96 PCS	63*26*29cm	



Note:

