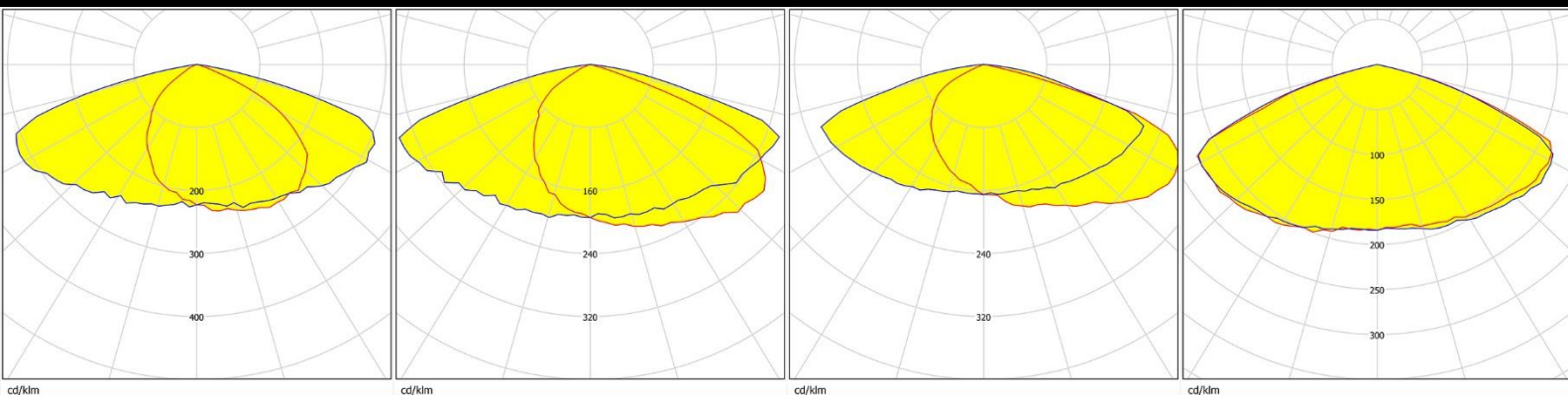
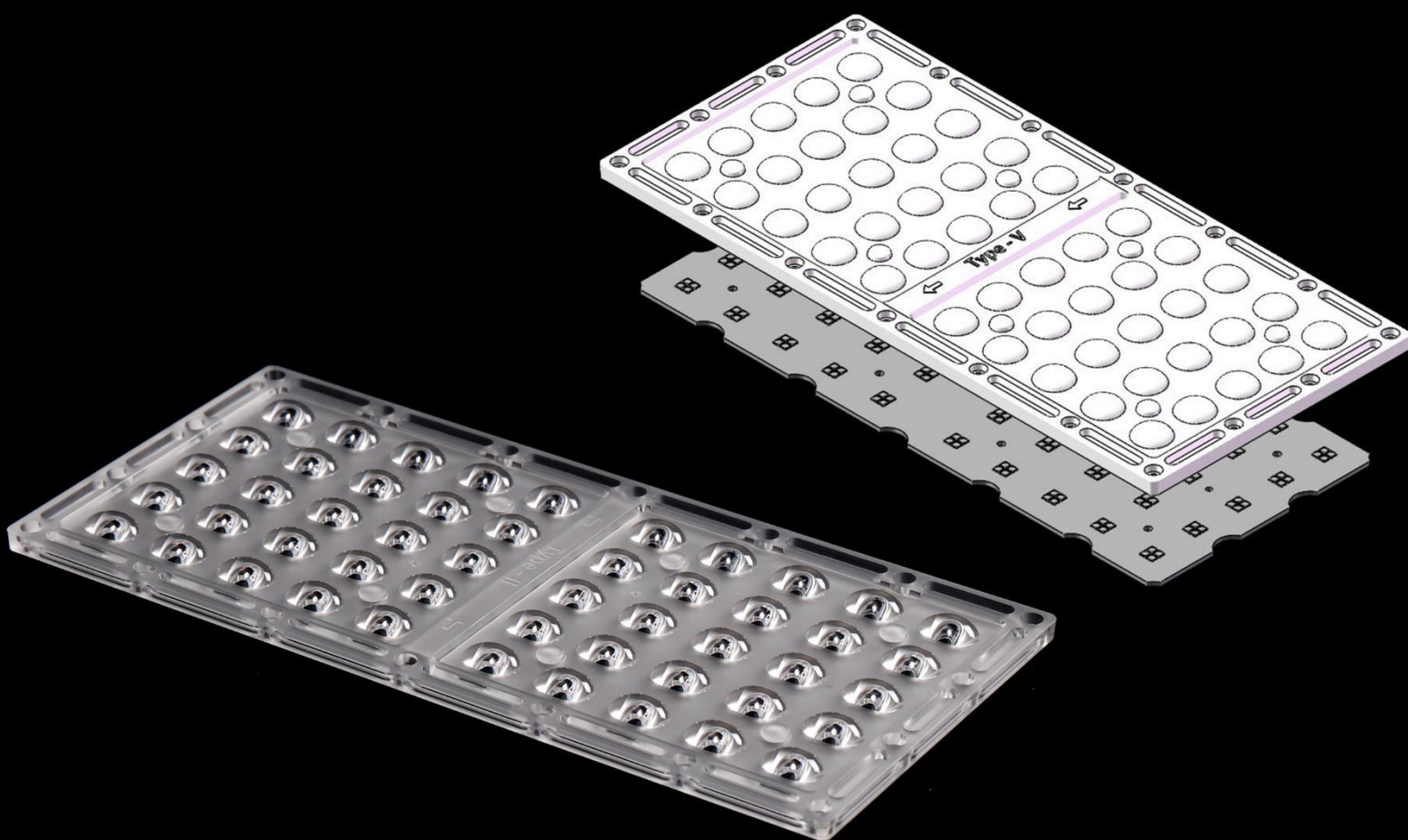


Data Sheet

HH-209-50×4-xx-PH3030



深圳市汉辉光电有限公司

shenzhen hanhui photoelectric co.,Ltd.

地址：深圳市宝安区石岩街道石龙仔社区恒昌荣高科技科技园3栋3楼
ADD: Area A No.3 Building 3th Floor,Hengchang Rong Industrial
park shiyan,shilong community,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.2-5
Mechanical Specifications	P.6
Package Specifications	P.7

*Product Nomenclature

HH-209-50 × 4-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-209-50×4-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

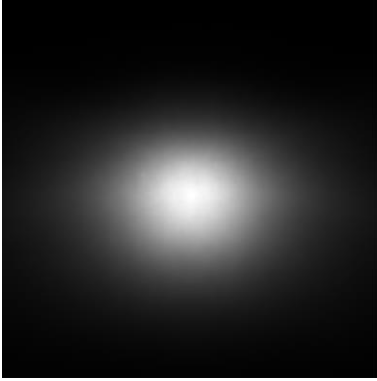
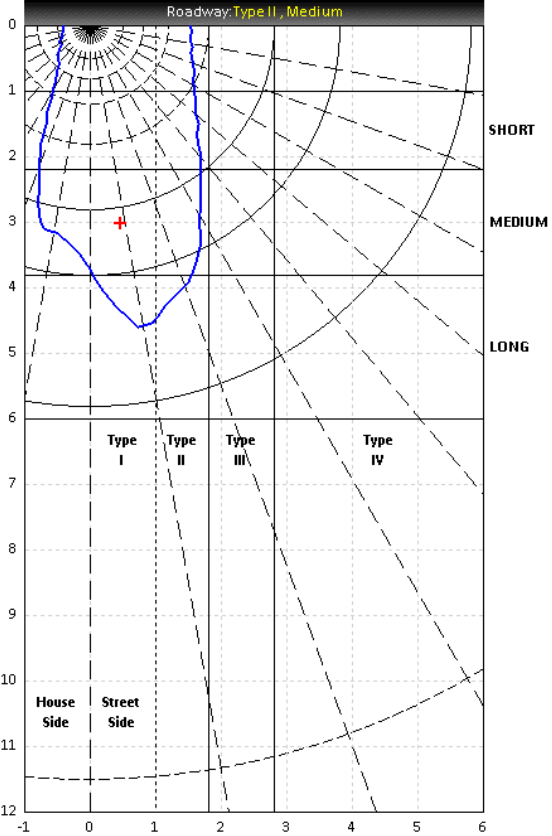
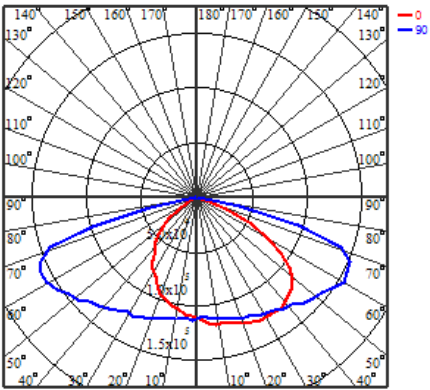
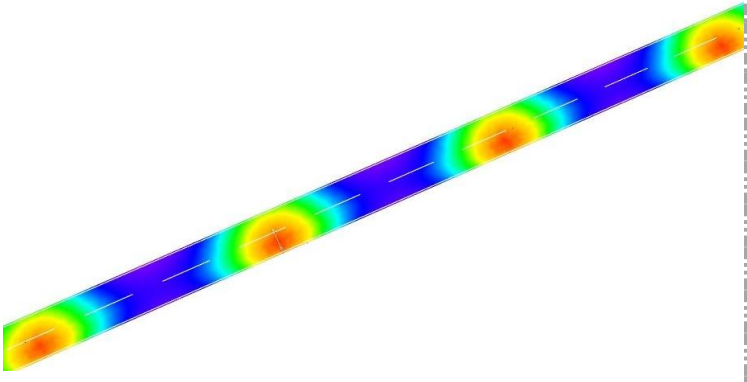
1. If necessary, clean lenses with mild soap, water and soft cloth.
2. Never use any commercial cleaning solvents on lenses, like alcohol.
3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.



HH-209-50×4-xx-PH3030

Optical Specifications

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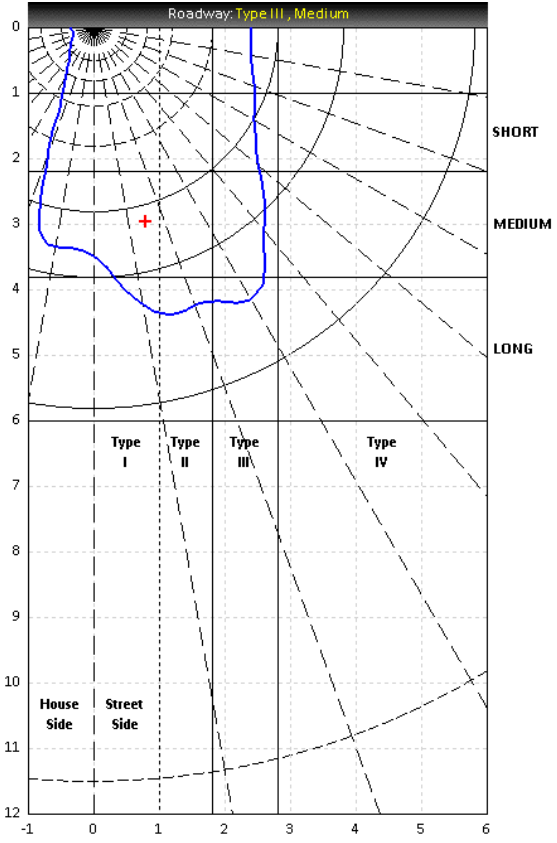
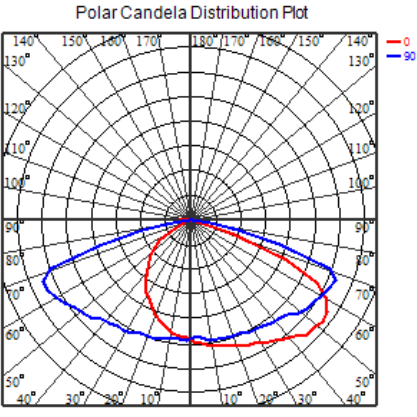
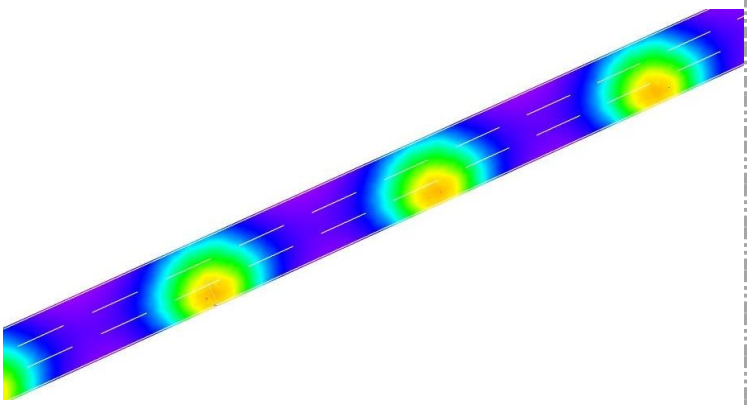
Part Number	FWHM	Candela Distribution Type	IES File
HH-209-50×4-T2M- PH3030	100×150	Type II Medium	Download
			
			
DIALux Simulation Result (two lanes、R3W3、ME4a)			
		Recommend configuration condition	
		Luminous Flux	17500lm
		Lamp Collocation	Unilateral
		Height	10m
		Distance	40m
		Roadwidth	7.5m
		Elevation	0°
		Overhang	1m
		Result	
		Lav	1.12
U ₀	0.48		
U _L	0.77		
TI(%)	10		
SR	0.73		
<p>Note: Lav-Average Luminance U₀-Brightness Uniformity U_L-Brightness longitudinal Uniformity TI-Threshold increment SR-Surround ratio</p>			



HH-209-50×4-xx-PH3030

Optical Specifications

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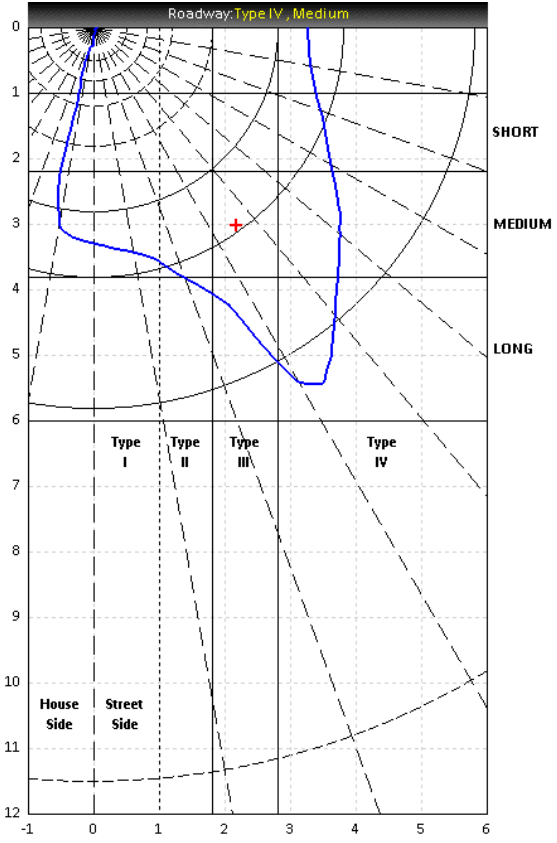
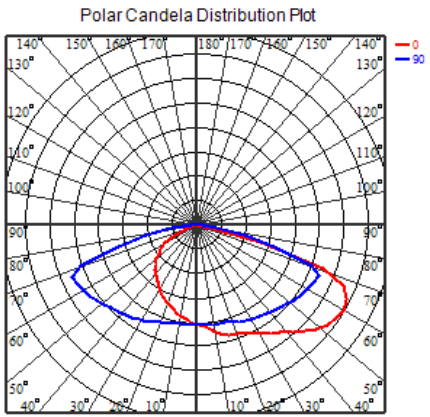
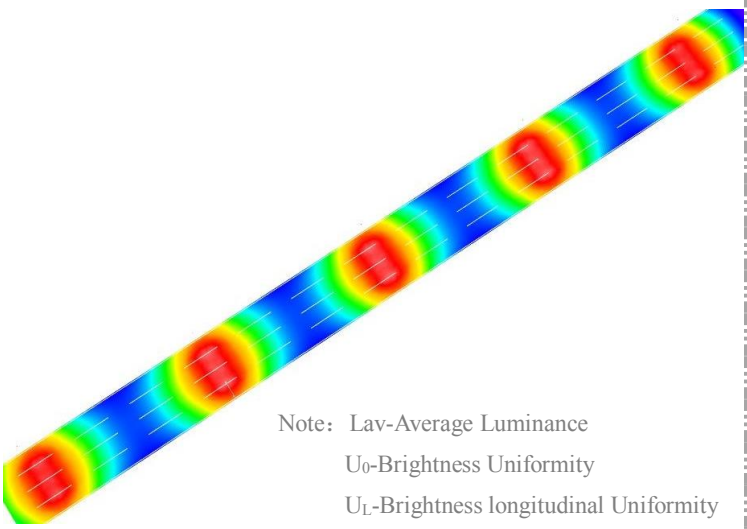
Part Number	FWHM	Candela Distribution Type	IES File																												
HH-209-50×4-T3M- PH3030	100×150	Type III Medium	Download																												
																															
																															
DIALux Simulation Result (three lanes、R3W3、ME4a)																															
 <p>Note: Lav-Average Luminance U₀-Brightness Uniformity U_L-Brightness longitudinal Uniformity TI-Threshold increment SR-Surround ratio</p>		<table border="1"> <thead> <tr> <th colspan="2">Recommend configuration condition</th> </tr> </thead> <tbody> <tr> <td>Luminous Flux</td> <td>17500lm</td> </tr> <tr> <td>Lamp Collocation</td> <td>Unilateral</td> </tr> <tr> <td>Height</td> <td>10m</td> </tr> <tr> <td>Distance</td> <td>40m</td> </tr> <tr> <td>Roadwidth</td> <td>11.25m</td> </tr> <tr> <td>Elevation</td> <td>0°</td> </tr> <tr> <td>Overhang</td> <td>1m</td> </tr> <tr> <th colspan="2">Result</th> </tr> <tr> <td>Lav</td> <td>0.80</td> </tr> <tr> <td>U₀</td> <td>0.44</td> </tr> <tr> <td>U_L</td> <td>0.78</td> </tr> <tr> <td>TI(%)</td> <td>11</td> </tr> <tr> <td>SR</td> <td>0.69</td> </tr> </tbody> </table>		Recommend configuration condition		Luminous Flux	17500lm	Lamp Collocation	Unilateral	Height	10m	Distance	40m	Roadwidth	11.25m	Elevation	0°	Overhang	1m	Result		Lav	0.80	U ₀	0.44	U _L	0.78	TI(%)	11	SR	0.69
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TI(%)	11																														
SR	0.69																														



HH-209-50×4-xx-PH3030

Optical Specifications

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Part Number	FWHM	Candela Distribution Type	IES File																												
HH-209-50×4-T4M- PH3030	90×150	Type IV Medium	Download																												
																															
																															
DIALux Simulation Result (four lanes、R3W3、ME4a)																															
 <p>Note: Lav-Average Luminance U₀-Brightness Uniformity U_L-Brightness longitudinal Uniformity TI-Threshold increment SR-Surround ratio</p>		<table border="1"> <thead> <tr> <th colspan="2">Recommend configuration condition</th> </tr> </thead> <tbody> <tr> <td>Luminous Flux</td> <td>17500lm</td> </tr> <tr> <td>Lamp Collocation</td> <td>Bilateral Symmetry</td> </tr> <tr> <td>Height</td> <td>10m</td> </tr> <tr> <td>Distance</td> <td>40m</td> </tr> <tr> <td>Roadwidth</td> <td>15m</td> </tr> <tr> <td>Elevation</td> <td>0°</td> </tr> <tr> <td>Overhang</td> <td>1m</td> </tr> <tr> <th colspan="2">Result</th> </tr> <tr> <td>Lav</td> <td>1.26</td> </tr> <tr> <td>U₀</td> <td>0.59</td> </tr> <tr> <td>U_L</td> <td>0.78</td> </tr> <tr> <td>TI(%)</td> <td>10</td> </tr> <tr> <td>SR</td> <td>0.68</td> </tr> </tbody> </table>		Recommend configuration condition		Luminous Flux	17500lm	Lamp Collocation	Bilateral Symmetry	Height	10m	Distance	40m	Roadwidth	15m	Elevation	0°	Overhang	1m	Result		Lav	1.26	U ₀	0.59	U _L	0.78	TI(%)	10	SR	0.68
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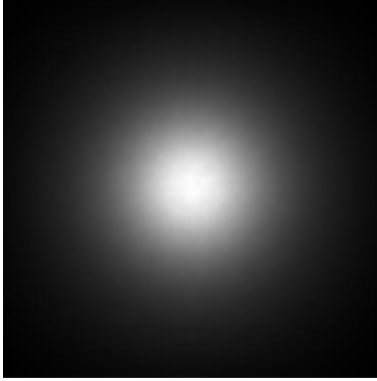


HH-209-50×4-xx-PH3030

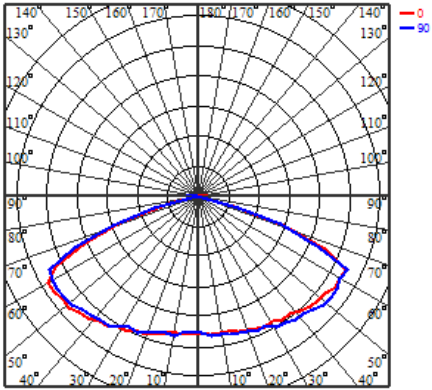
Optical Specifications

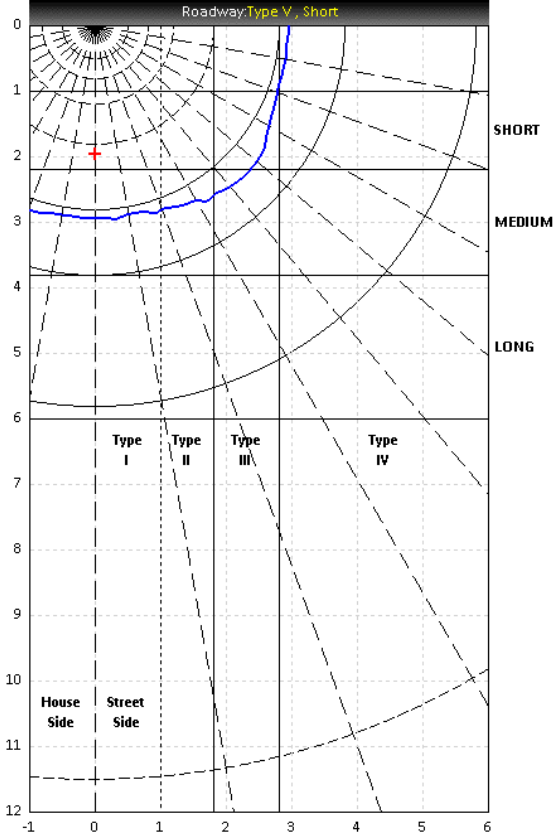
v1.0_20181008

Part Number	FWHM	Candela Distribution Type	IES File
HH-209-50×4-T5S- PH3030	140°	Type V Short	download



Polar Candela Distribution Plot







HH-209-50×4-xx-PH3030

Mechanical Specification

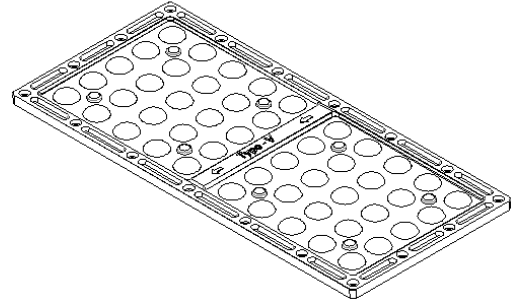
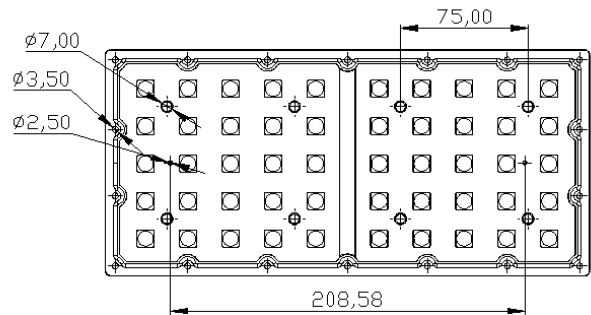
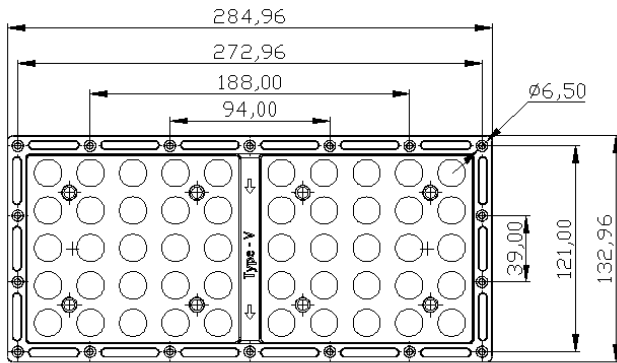
v1.0_20181008

1. Fixing method

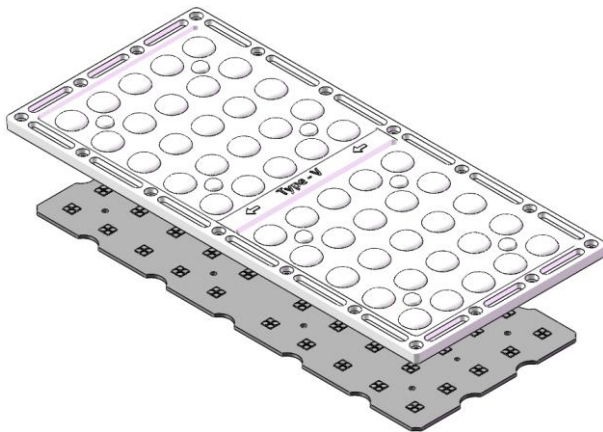
Note: (1) All dimensions are in mm.
(2) All measurements are ± 0.15 mm unless otherwise indicated.

- Glue Screw Tape Fixing-ring Frame

2. Lens dimension



3. Assembly instruction



4. View assembly lens with MCPCB

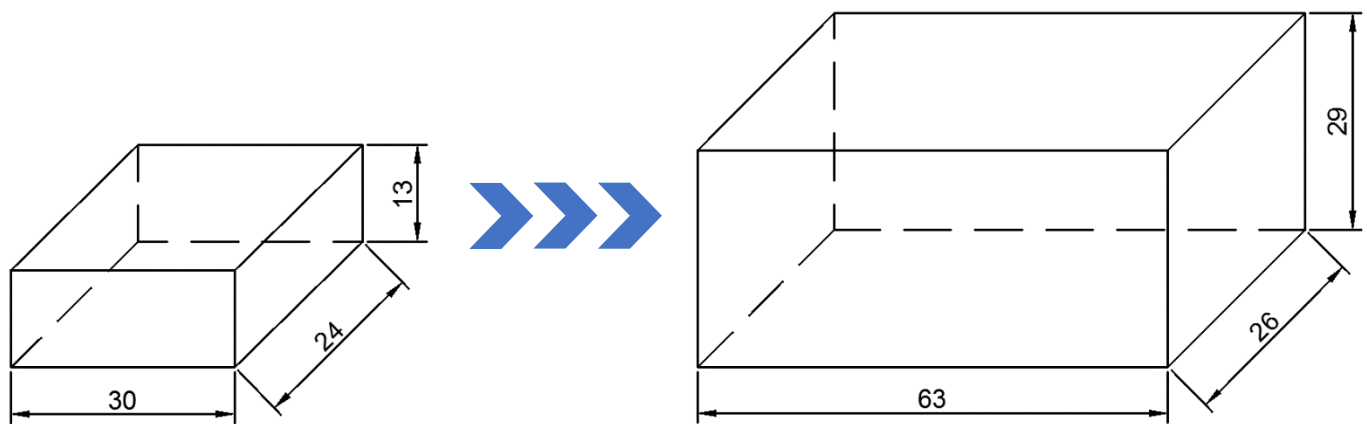


HH-209-50×4-xx-PH3030

Package Specifications

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Item	Quantity	Total	Size(L*W*H)	G.W
plastic box	-	20 PCS	30*24*13cm	
outer box	4 plastic box/outer box	80 PCS	63*26*29cm	



Note:

