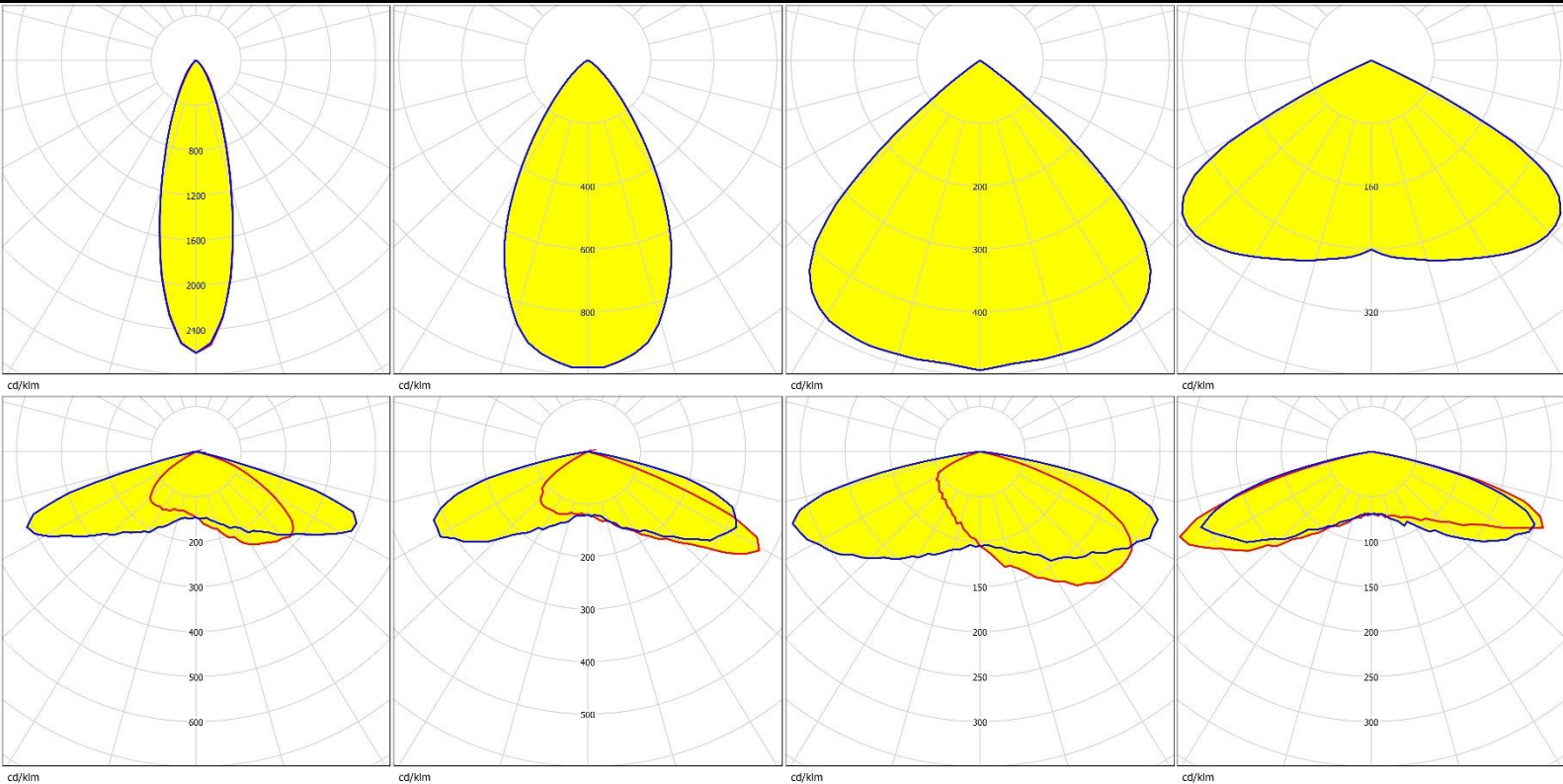
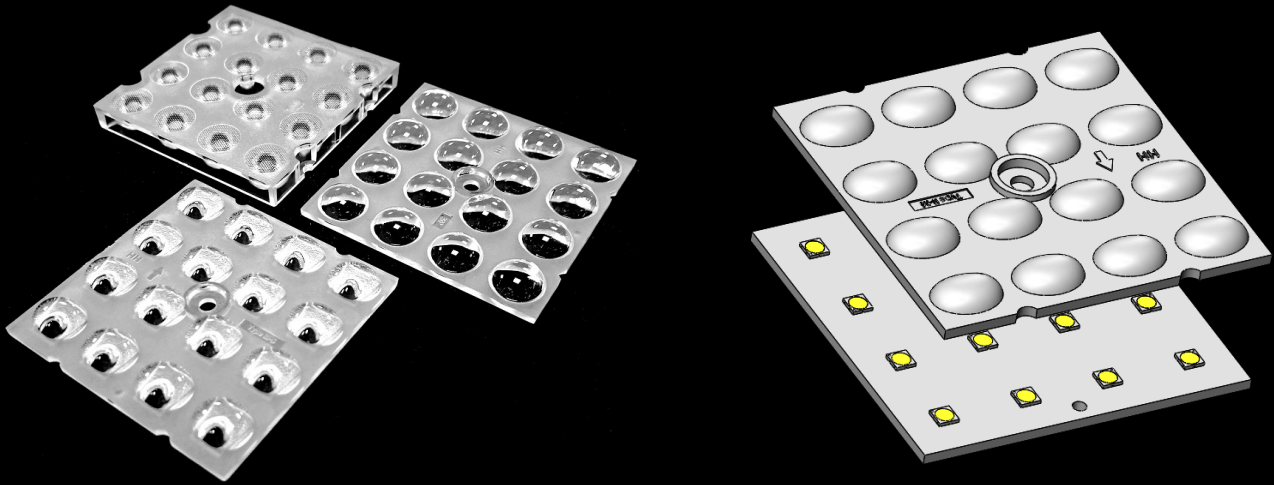


Data Sheet

HH-298-16×1-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.2-6
Mechanical Specifications	P.7
Package Specifications	P.8

*Product Nomenclature

HH-298-16 × 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-298-16×1-xx-PH3030

General Information

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◆ Features & Typical Applications

- Available with 8 beam angles
- High efficiency
- optimized Uniformity
- Lens without Holder
- Roadway Lighting
- Park Lighting
- Commercial 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

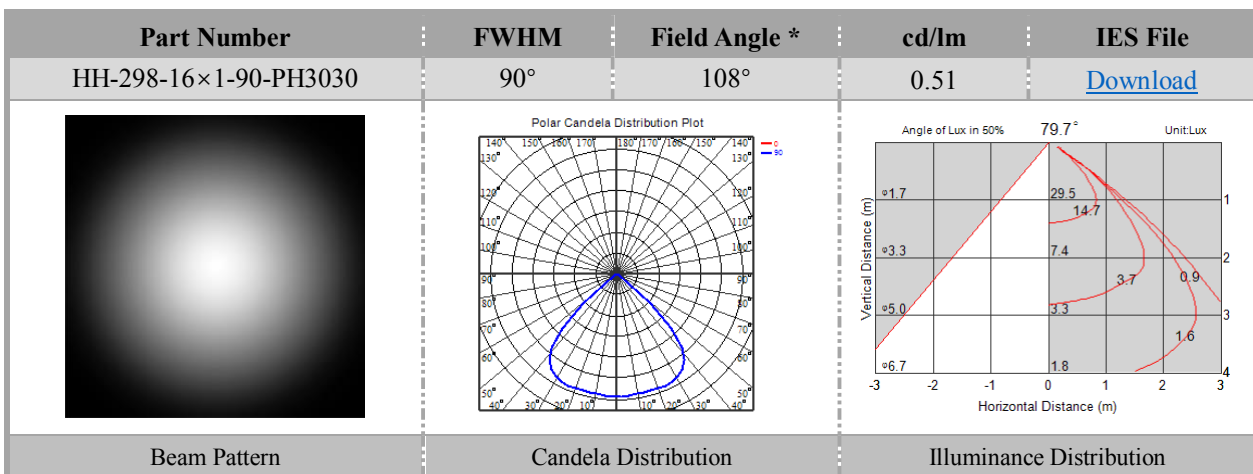
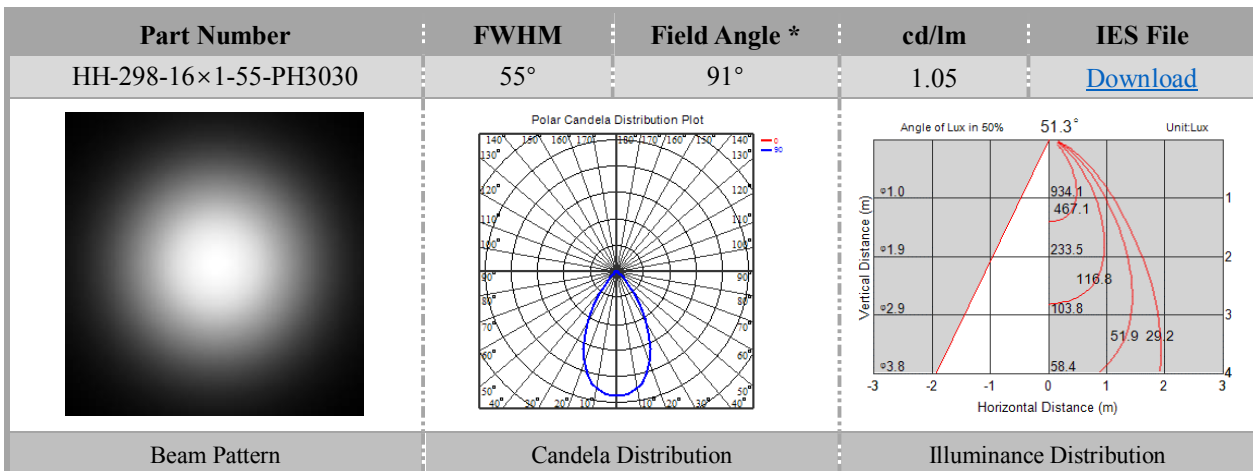
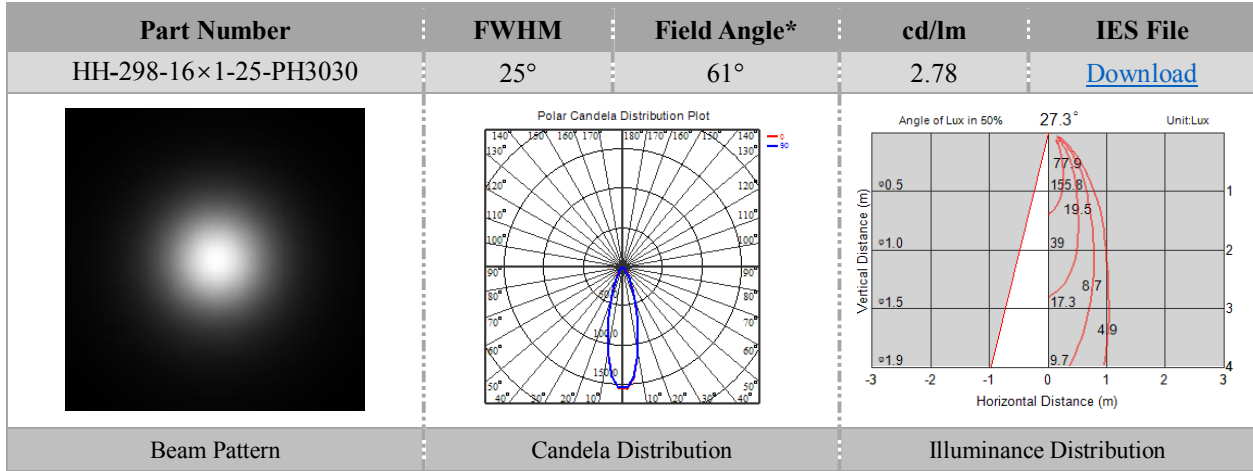
1. If necessary, clean lenses with mild soap, water and soft cloth.
2. Never use any commercial cleaning solvents on lenses, like alcohol.
3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.



HH-298-16×1-xx-PH3030

Optical Specifications

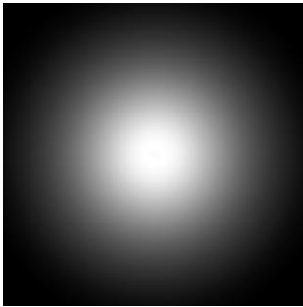
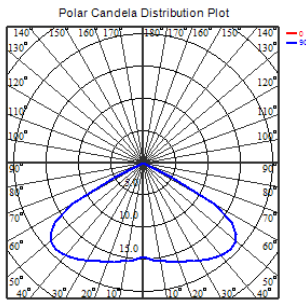
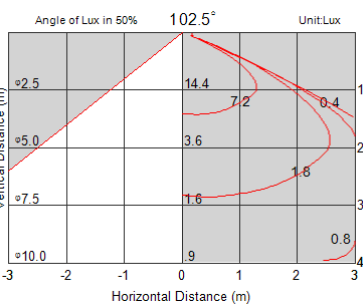
v1.0_20190718


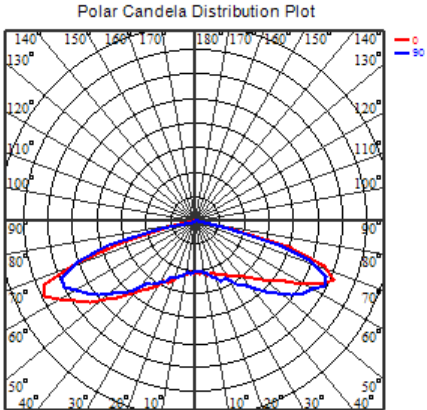
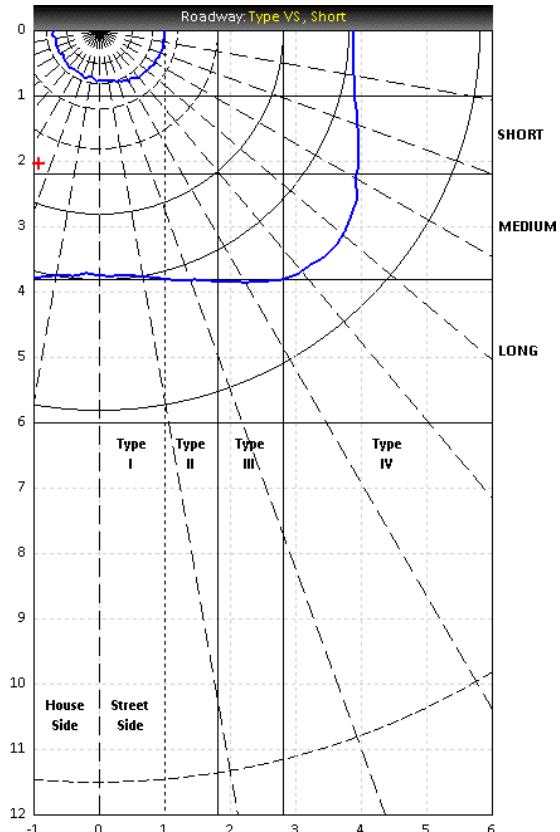


HH-298-16×1-XX-PH3030

Optical Specifications

v1.0_20190718

Part Number	FWHM	Field Angle*	cd/lm	IES File	
HH-298-16×1-120-PH3030	120°	128°	0.32	Download	
			Beam Pattern	Candela Distribution	Illuminance Distribution

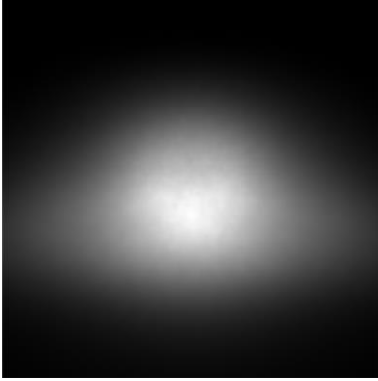
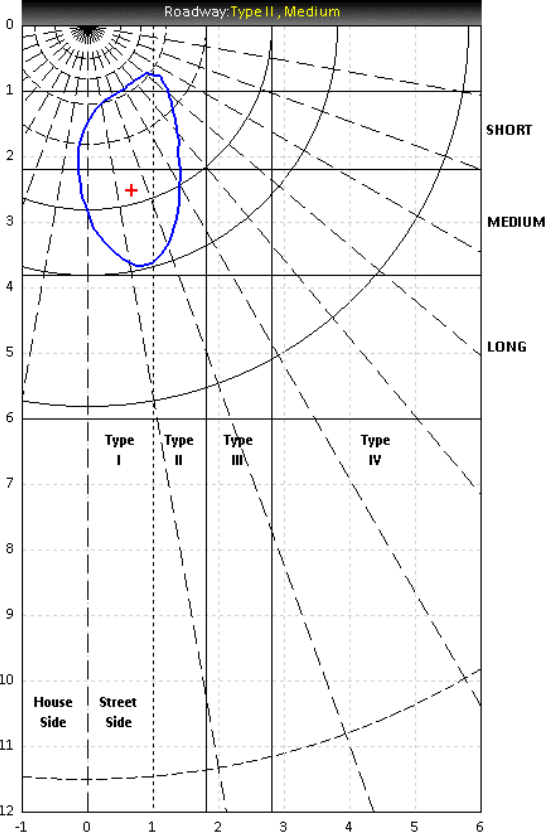
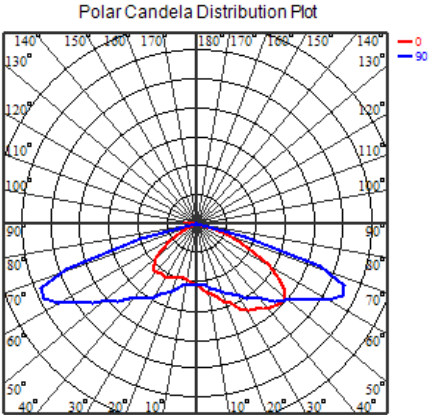
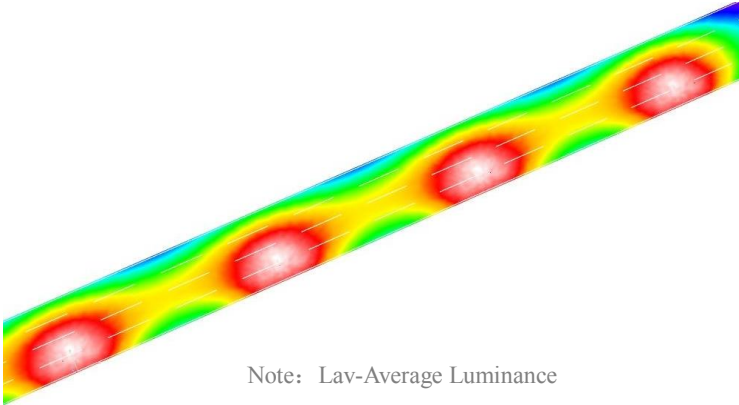
Part Number	FWHM	Candela Distribution Type	IES File		
HH-298-16×1-T5S-PH3030	150°	Type V Short	Download		
			Beam Pattern	Candela Distribution	Roadway Distribution



HH-298-16×1-xx-PH3030

Optical Specifications

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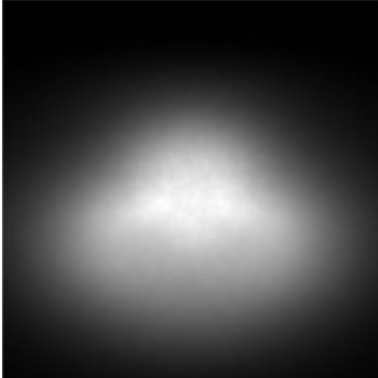
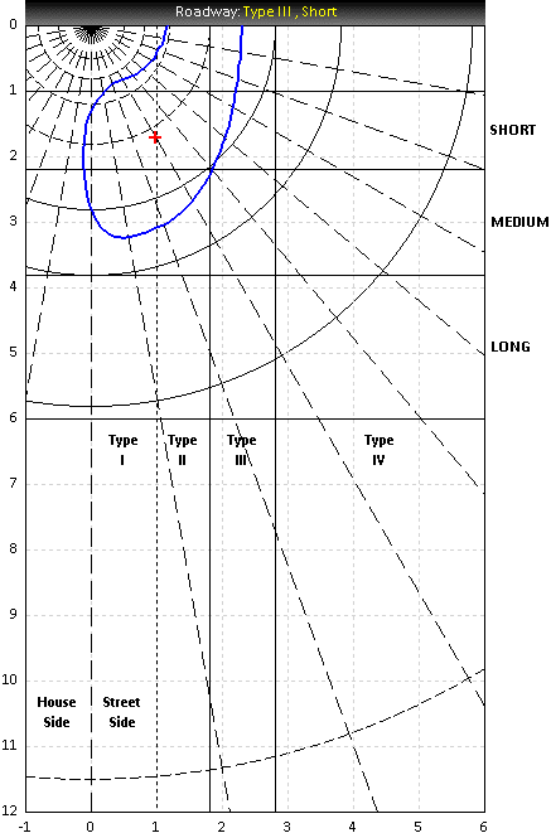
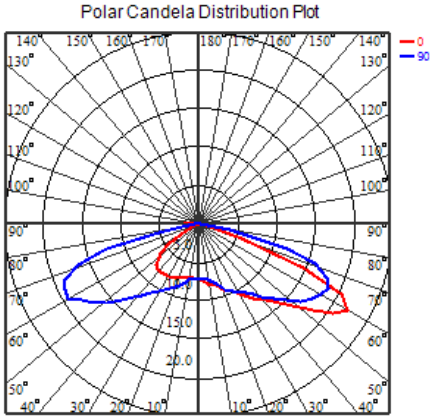
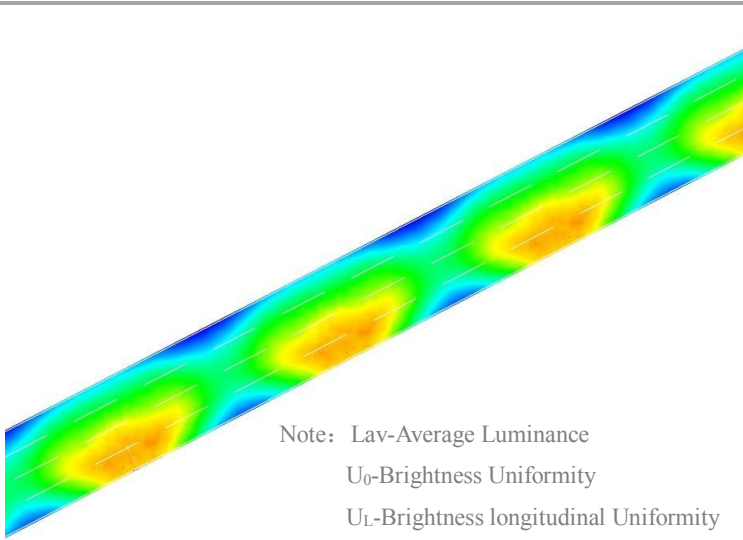
Part Number	FWHM	Candela Distribution Type	IES File																												
HH-298-16×1-T2M-PH3030	65×145	Type II Medium	Download																												
																															
		<p>DIALux Simulation Result (four lanes、R1W3、ME3a)</p> 																													
<p>Note: Lav-Average 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>14400lm</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>14m</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>1.14</td> </tr> <tr> <td>U₀</td> <td>0.52</td> </tr> <tr> <td>U_L</td> <td>0.86</td> </tr> <tr> <td>TI(%)</td> <td>12</td> </tr> <tr> <td>SR</td> <td>0.57</td> </tr> </tbody> </table>		Recommend configuration condition		Luminous Flux	14400lm	Lamp Collocation	Unilateral	Height	10m	Distance	40m	Roadwidth	14m	Elevation	0°	Overhang	1m	Result		Lav	1.14	U ₀	0.52	U _L	0.86	TI(%)	12	SR	0.57
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HH-298-16×1-xx-PH3030

Optical Specifications

v1.0_20190718

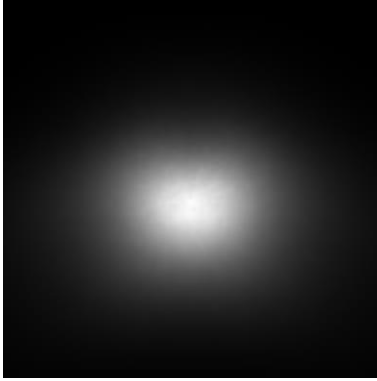
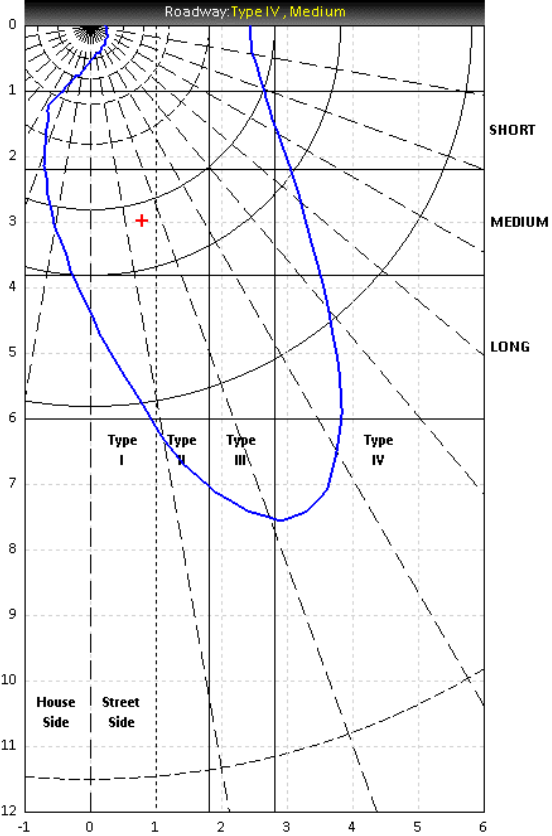
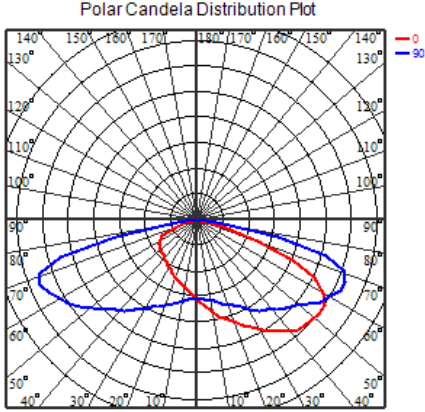
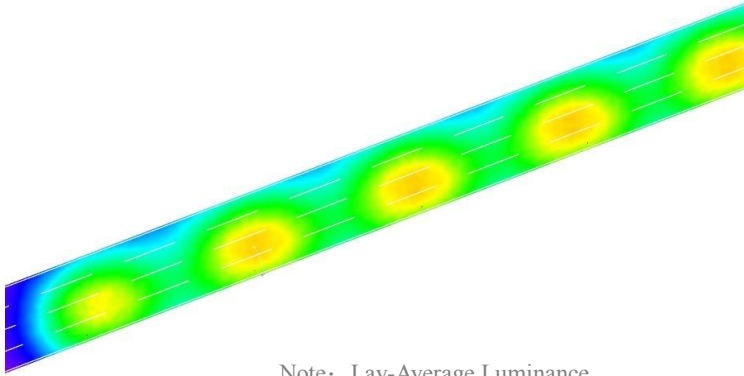
Part Number	FWHM	Candela Distribution Type	IES File																												
HH-298-16×1-T3S-PH3030	40×150	Type III Short	Download																												
																															
		<p>DIALux Simulation Result (four lanes、R1W3、ME3a)</p> 																													
<p>Note: Lav-Average 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>16m</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>1.20</td> </tr> <tr> <td>U₀</td> <td>0.59</td> </tr> <tr> <td>U_L</td> <td>0.83</td> </tr> <tr> <td>TI(%)</td> <td>9</td> </tr> <tr> <td>SR</td> <td>0.64</td> </tr> </tbody> </table>		Recommend configuration condition		Luminous Flux	17500lm	Lamp Collocation	Unilateral	Height	10m	Distance	40m	Roadwidth	16m	Elevation	0°	Overhang	1m	Result		Lav	1.20	U ₀	0.59	U _L	0.83	TI(%)	9	SR	0.64
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HH-298-16×1-xx-PH3030

Optical Specifications

v1.0_20190718

Part Number	FWHM	Candela Distribution Type	IES File																												
HH-298-16×1-T4M-PH3030	70×150	Type IV Medium	Download																												
																															
		<p>DIALux Simulation Result (four lanes、R1W3、ME3a)</p> 																													
<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>25m</td> </tr> <tr> <td>Roadwidth</td> <td>12m</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>1.34</td> </tr> <tr> <td>U₀</td> <td>0.47</td> </tr> <tr> <td>U_L</td> <td>0.92</td> </tr> <tr> <td>TI(%)</td> <td>10</td> </tr> <tr> <td>SR</td> <td>0.67</td> </tr> </tbody> </table>		Recommend configuration condition		Luminous Flux	17500lm	Lamp Collocation	Unilateral	Height	10m	Distance	25m	Roadwidth	12m	Elevation	0°	Overhang	1m	Result		Lav	1.34	U ₀	0.47	U _L	0.92	TI(%)	10	SR	0.67
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HH-298-16×1-xx-PH3030

Mechanical Specification

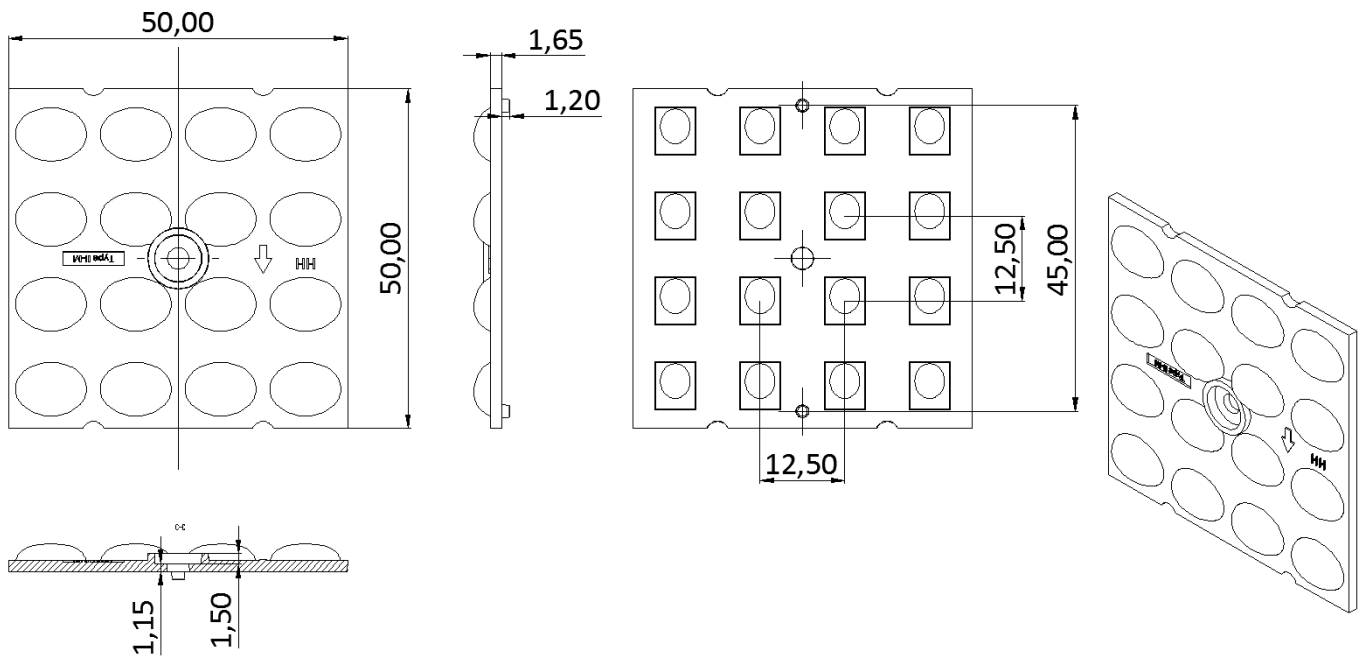
v1.0_20190718

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

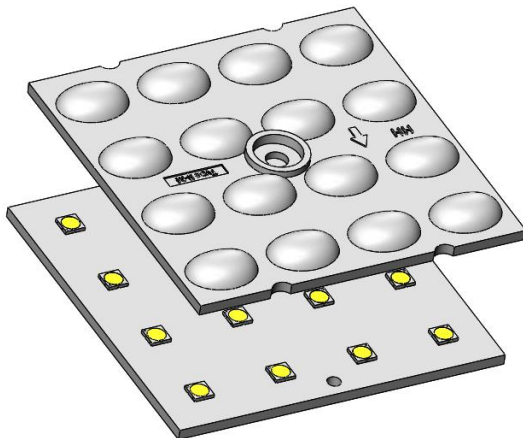
1. Fixing method

- Glue
 Screw
 Tape
 Fixing-ring
 Frame

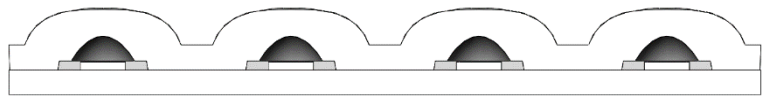
2. Lens dimension



3. Assembly instruction



4. View assembly lens with MCPCB



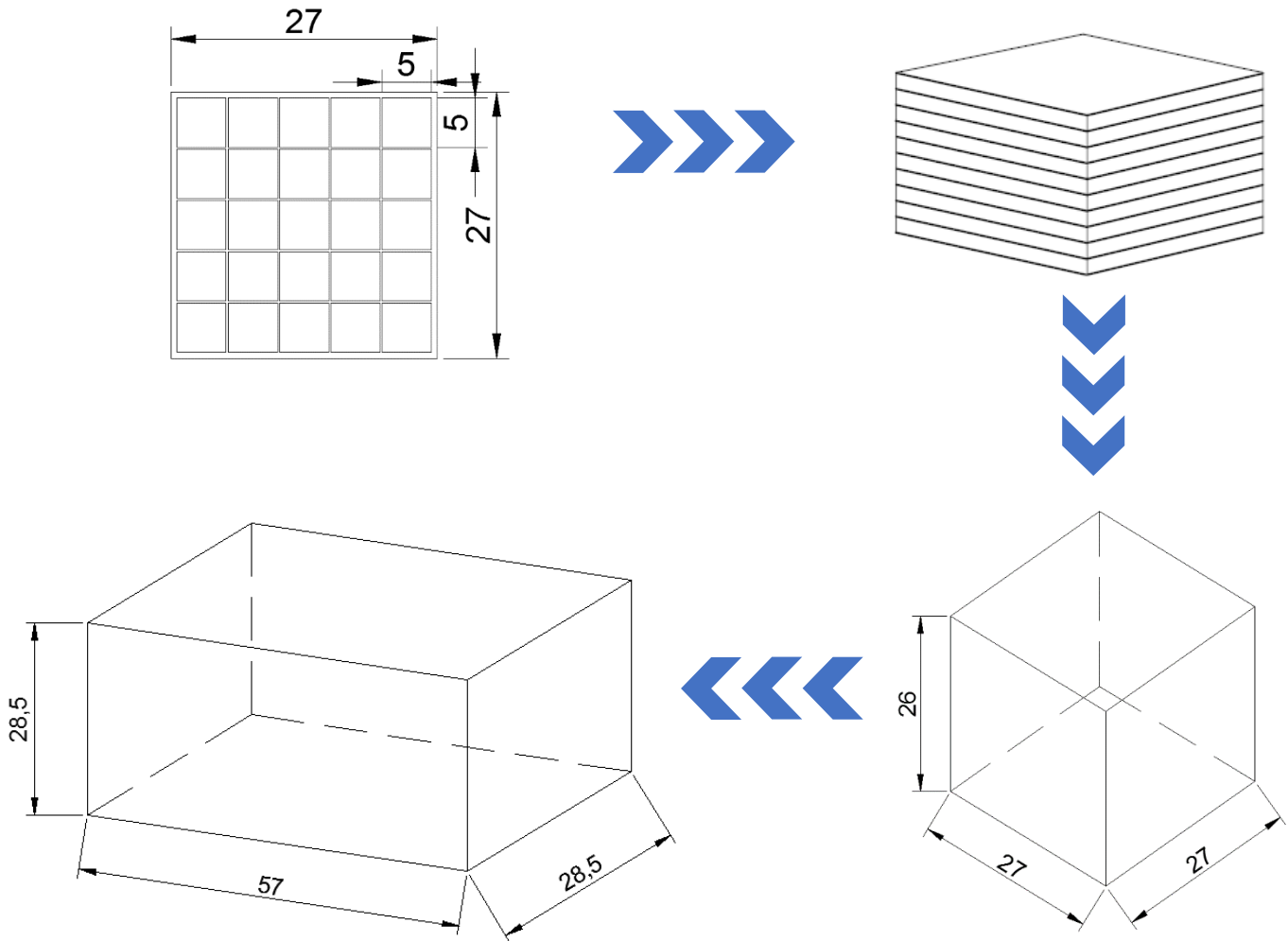
HH-298-16×1-xx-PH3030

Package Specifications

v1.0_20190718

Item	Quantity	Total	Size(L*W*H)	G.W
plastic box	25 PCS/tier	1350 PCS	27*27*26cm	
outer box	2 plastic box/outer box	2700 PCS	57*28.5*28.5cm	

Note: The total number of packages shown in the table is only 120 degree lenses. Because the lens height is different, the total number is different, there is no detailed list.



Note:

