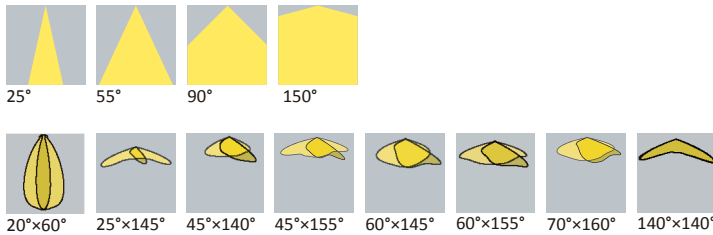


Datasheet

LL16ZZ-DVVxxLxx

Available Distribution



LED



LUMILEDS
LUXEON 3030

Recommand Applications



General Information

PMMA 70°C -40°C	PC 110°C -40°C	PMMA 8N HB 1.5mm RTI 90°C	PC 1250Z HB 1.5mm RTI 125°C	400nm~900nm > 90%		
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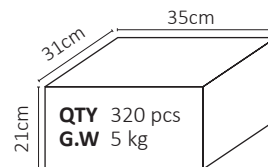
- Lens Material L06: PMMA 8N / L19: PC 1250Z
- Operating Temperature L06: -40°C~+70°C / L19: -40°C~+110°C
- UL Flammability HB @ 1.5mm
- UL RTI Elec L06: 90°C / L19: 125°C @ 1.5mm
- Light Transmission Rate 400nm~900nm > 90%
- ☑ If necessary, Clean lenses with mild soap, water and soft cloth.
- ⚠ Never use any commercial cleaning solvents on lenses, like alcohol.
- ⚠ Please handle or install with wearing gloves, skin oils may damage lens or its optical characteristic.

Dimensions

Part Number	Height	L×W
LL16ZZ-DVV25L19	6.3	50×50
LL16ZZ-DVV55L19	7.3	
LL16ZZ-DVV90L19	3.8	
LL16ZZ-DVV150L19	3.8	
LL16ZZ-DVV2060L19	7.2	
LL16ZZ-DVV25145L19	4.18	
LL16ZZ-DVV45140L19	4.17	
LL16ZZ-DVV45155L19	3.92	
LL16ZZ-DVV60145L19	3.78	
LL16ZZ-DVV60155L19	3.68	
LL16ZZ-DVV70160L19	3.63	
LL16ZZ-DVV140140L06	4.94	

*All dimensions are in millimeters.

Packaging Details (SPQ)

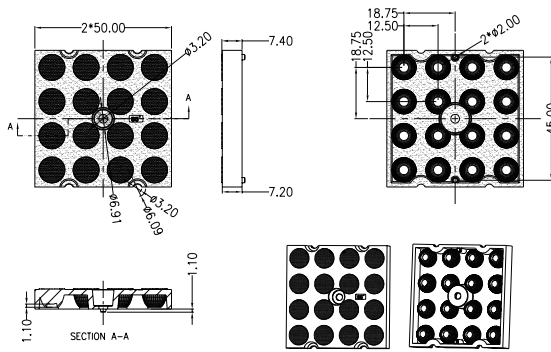


Mechanical Specification

*All dimensions are in millimeters.

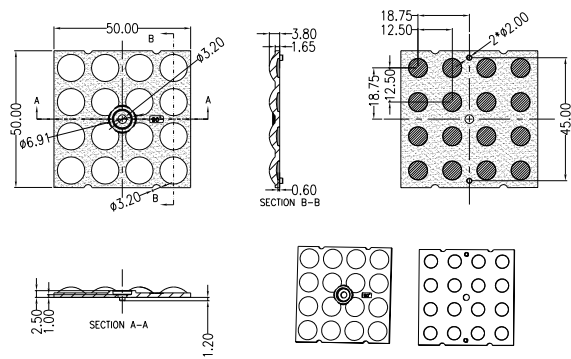
Lens Dimension

LL16ZZ-DVV××L19 (25°/55°)



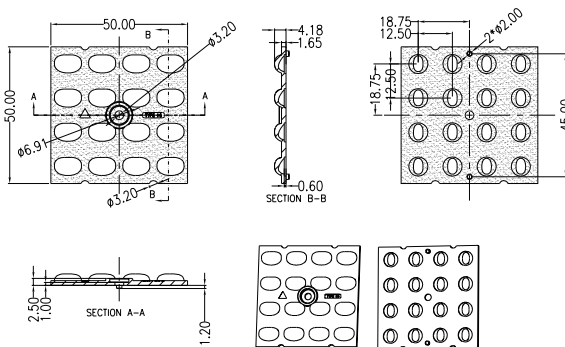
Lens Dimension

LL16ZZ-DVV××L19 (90°/150°)



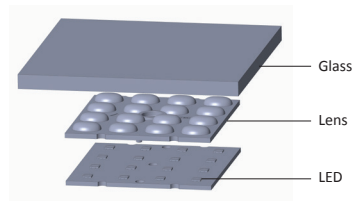
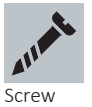
Lens Dimension

LL16ZZ-DVV××Lxx
(20°×60°/25°×145°/45°×140°/45°×155°
60°×145°/60°×155°/70°×160°/140°×140°)



Assembly Instruction

Fixing Method



The height of the glass is 5mm.
Place the bottom of the glass above
the top of the PCB with distance 8mm.

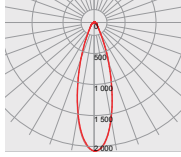
Photometric Distribution



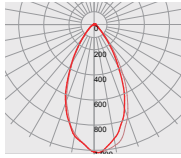
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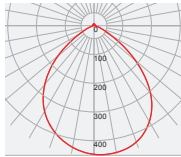
25°



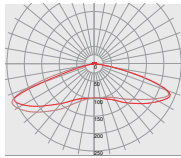
55°



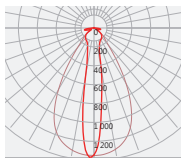
90°



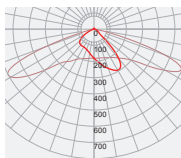
150°



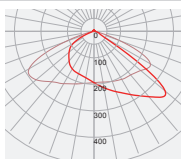
20°x60°



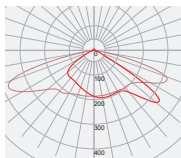
25°x145°



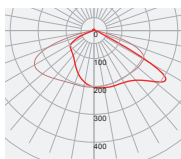
45°x140°



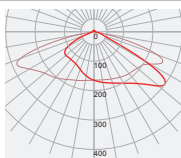
45°x155°



60°x145°



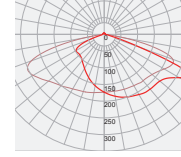
60°x155°



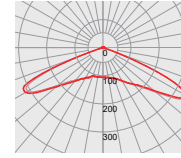
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70°x160°




140°x140°

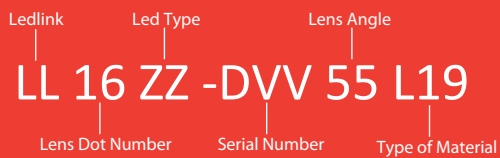


Details by LED

Part No	Accessories	LED Package Size	LED
LL16ZZ-DVVxxLxx	-	LES Ø2.6	 LUMILEDS LUXEON 3030

LED	Part No	Type	FWHM	cd / lm	IES
 LUMILEDS LUXEON 3030	LL16ZZ-DVV25L19	-	30°	2.0	↓
	LL16ZZ-DVV55L19	-	51°	1.0	↓
	LL16ZZ-DVV90L19	-	91°	0.4	↓
	LL16ZZ-DVV150L19	VS-Very Short	149°	0.2	↓
	LL16ZZ-DVV2060L19	-	15°x61°	1.3	↓
	LL16ZZ-DVV25145L19	I-Short	56°x143°	0.7	↓
	LL16ZZ-DVV45140L19	II-Short	63°x136°	0.4	↓
	LL16ZZ-DVV45155L19	II-Medium	71°x150°	0.4	↓
	LL16ZZ-DVV60145L19	III-Short	84°x144°	0.4	↓
	LL16ZZ-DVV60155L19	III-Medium	73°x149°	0.4	↓
	LL16ZZ-DVV70160L19	IV-Short	86°x153°	0.3	↓
	LL16ZZ-DVV140140L06	VS-Short	135°x135°	0.5	↓

Product Nomenclature



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