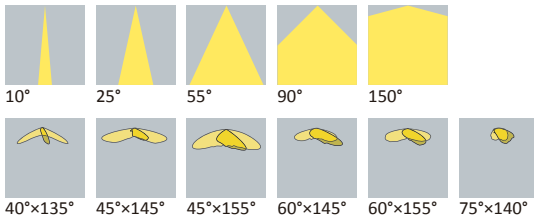


Datasheet CRC Series

Available Distribution



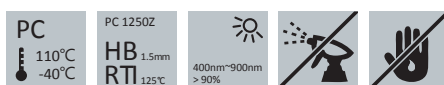
LED



Recommand Applications



General Information



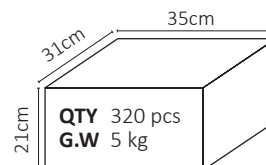
- Lens Material PC 1250Z
- Operating Temperature -40°C~+110°C
- UL Flammability HB @ 1.5mm
- UL RTI Elec 125°C @ 1.5mm
- Light Transmission Rate 400nm~900nm > 90%
- ☑ If necessary, Clean lenses with mild soap, water and soft cloth.
- ⚠ Never use any commercial cleaning solvents on lenses, like alcohol.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

Dimensions

Part Number	Height	LxW
LL12ZZ-CRC25L19	6.3	50x50
LL12ZZ-CRC55L19	6.3	
LL12ZZ-CRC90L19	3.8	
LL12ZZ-CRC150L19	4.05	
LL12ZZ-CRC40135L19	5.3	
LL12ZZ-CRC45145L19	5.3	
LL12ZZ-CRC45155L19	5.3	
LL12ZZ-CRC60145L19	4.9	
LL12ZZ-CRC60155L19	5.1	
LL12ZZ-CRC75140L19	4.6	
LL12SS-CRC10L19	9.6	
LL12SS-CRC25L19	6.29	
LL12SS-CRC55L19	5.63	
LL12SS-CRC90L19	4.91	

*All dimensions are in millimeters.

Packaging Details (SPQ)

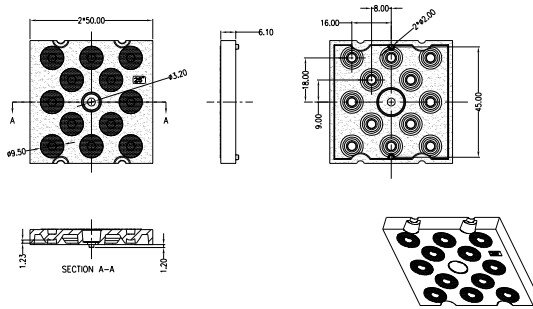


Mechanical Specification

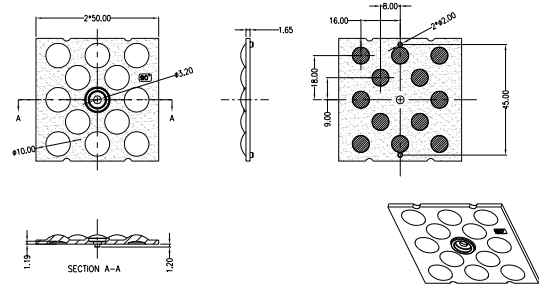
*All dimensions are in millimeters.

Lens Dimension

LL12ZZ-CRCxL19 (25°/55°)

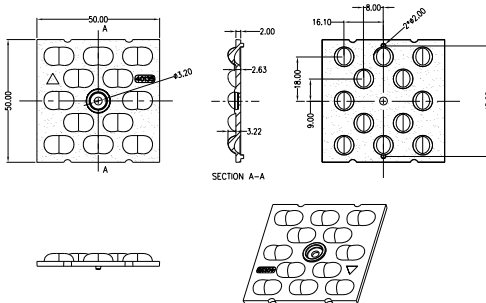


LL12ZZ-CRCxL19 (90°/150°)

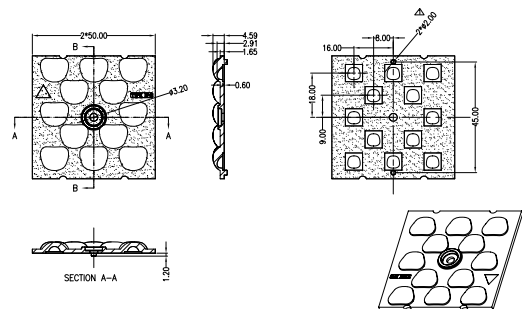


Lens Dimension

LL12ZZ-CRCxL19 (40°x135°/45°x145°/45°x155°/60°x145°/60°x155°)



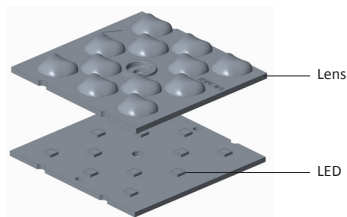
LL12ZZ-CRC75140L19



Assembly Instruction

Part No LL12ZZ-CRCxL19

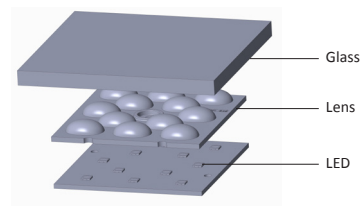
Fixing Method



Assembly Instruction

Part No LL12ZZ-CRCxL19
LED LUXEON 3030 2D

Fixing Method

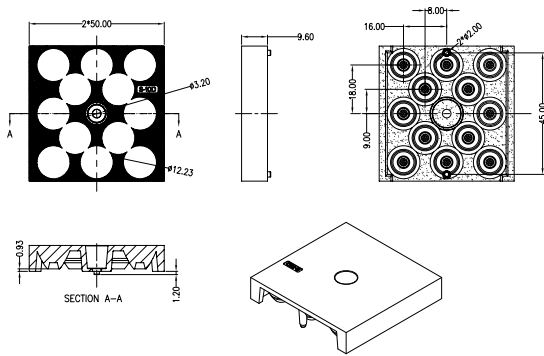


The height of the glass is 5mm.
Place the bottom of the glass above the top of the PCB with distance 10mm.

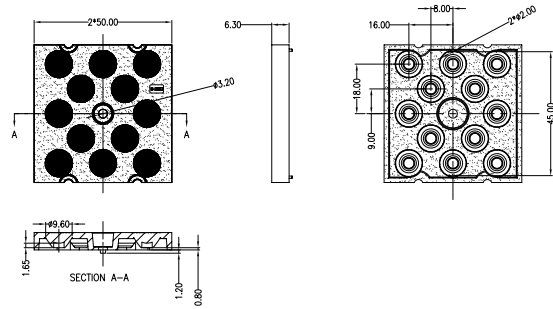
*Screw : The Maximum tightening torque for centre screw is 0.6Nm, which is mainly screw in for assembly.

Lens Dimension

LL12SS-CRC10L19

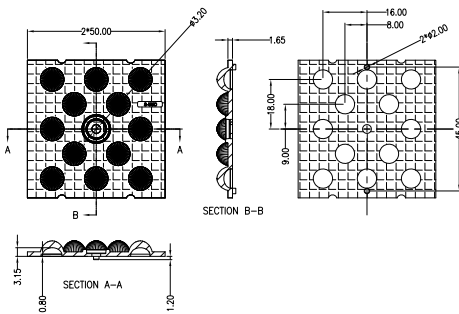


LL12SS-CRC25L19

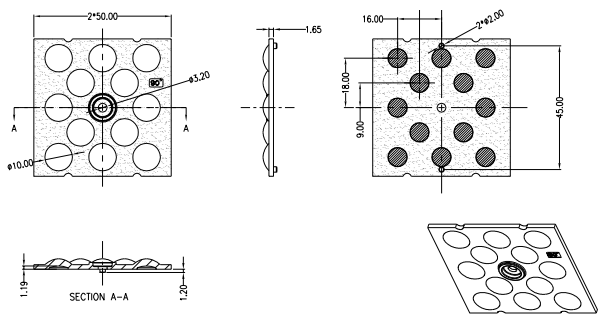


Lens Dimension

LL12SS-CRC55L19



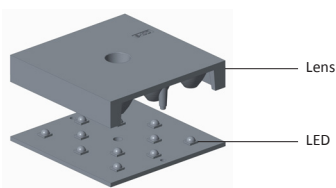
LL12SS-CRC90L19



Assembly Instruction

Fixing Method

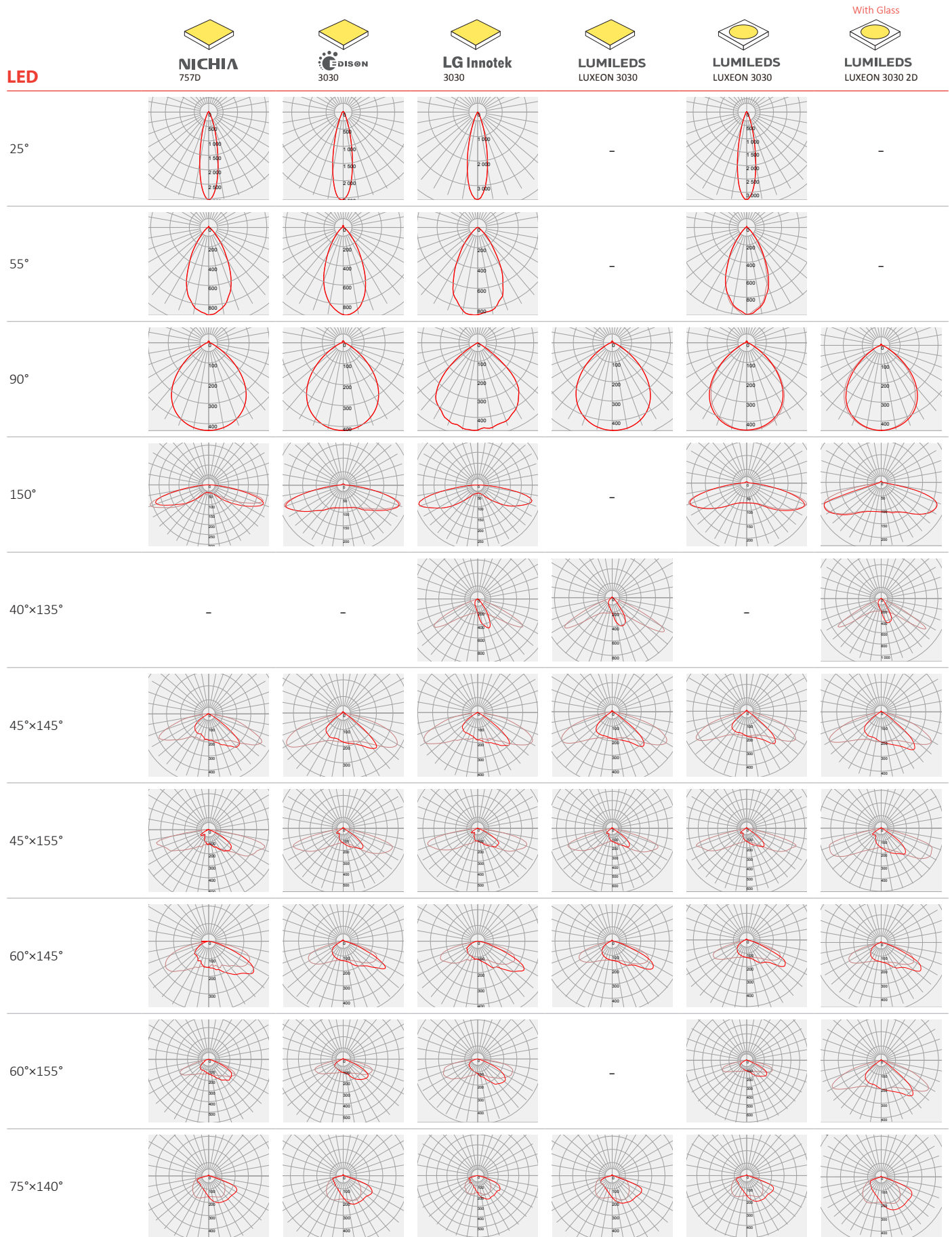
Part No LL12SS-CRCxL19



*Screw : The Maximum tightening torque for centre screw is 0.6Nm, which is mainly screw in for assembly.

Photometric Distribution

LL12ZZ-CRCxL19



LL12SS-CRCxL19



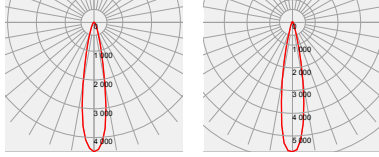
CREE
XP-G3



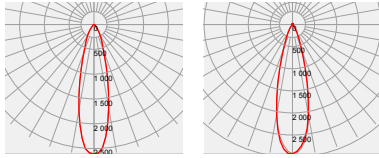
SAMSUNG
LH351B

LED

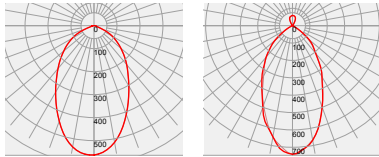
10°



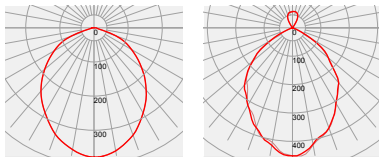
25°











55°










































90°



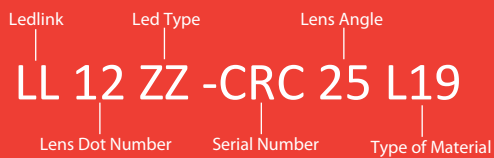
Details by LED

Part No	Accessories	LED Package Size	LED
LL12ZZ-CRCxxL19	-	3030	     
LL12SS-CRCxxL19	-	3535	 

LED	Part No	Type	FWHM	cd / lm	IES
 NICHIA 757D	LL12ZZ-CRC25L19	-	23°	3.0	↓
	LL12ZZ-CRC55L19	-	55°	0.9	↓
	LL12ZZ-CRC90L19	-	92°	0.4	↓
	LL12ZZ-CRC150L19	VS-Medium	160°	0.3	↓
	LL12ZZ-CRC40135L19	-	-	-	-
	LL12ZZ-CRC45145L19	II-Short	88°x151°	0.4	↓
	LL12ZZ-CRC45155L19	II-Medium	69°x161°	0.6	↓
	LL12ZZ-CRC60145L19	III-Short	59°x°153	0.4	↓
	LL12ZZ-CRC60155L19	III-Medium	66°x144°	0.6	↓
 EDISON 3030	LL12ZZ-CRC25L19	-	25°	2.5	↓
	LL12ZZ-CRC55L19	-	52°	0.9	↓
	LL12ZZ-CRC90L19	-	90°	0.4	↓
	LL12ZZ-CRC150L19	V-Medium	160°	0.2	↓
	LL12ZZ-CRC40135L19	-	-	-	-
	LL12ZZ-CRC45145L19	II-Short	98°x147°	0.4	↓
	LL12ZZ-CRC45155L19	II-Medium	61°x153°	0.5	↓
	LL12ZZ-CRC60145L19	III-Short	44°x148°	0.4	↓
	 LG Innotek 3030	LL12ZZ-CRC25L19	-	26°	3.0
LL12ZZ-CRC55L19		-	60°	0.8	↓
LL12ZZ-CRC90L19		-	96°	0.4	↓
LL12ZZ-CRC150L19		VS-Medium	163°	0.2	↓
LL12ZZ-CRC40135L19		I-Short	33°x132°	1.0	↓
LL12ZZ-CRC45145L19		II-Short	93°x153°	0.4	↓
LL12ZZ-CRC45155L19		III-Medium	61°x160°	0.5	↓
LL12ZZ-CRC60145L19		III-Short	43°x153°	0.4	↓
LL12ZZ-CRC60155L19		III-Medium	59°x163°	0.4	↓
LL12ZZ-CRC75140L19	IV-Medium	83°x141°	0.5	↓	

LED	Part No	Type	FWHM	cd / lm	IES
 LUMILEDS LUXEON 3030	LL12ZZ-CRC25L19	-	-	-	-
	LL12ZZ-CRC55L19	-	-	-	-
	LL12ZZ-CRC90L19	-	92°	0.4	
	LL12ZZ-CRC150L19	-	-	-	-
	LL12ZZ-CRC40135L19	I-Short	37°x129°	1.0	
	LL12ZZ-CRC45145L19	II-Short	97°x147°	0.4	
	LL12ZZ-CRC45155L19	II-Medium	60°x149°	0.6	
	LL12ZZ-CRC60145L19	III-Short	45°x148°	0.5	
	LL12ZZ-CRC60155L19	-	-	-	-
LL12ZZ-CRC75140L19	IV-Short	85°x151°	0.5		
 LUMILEDS LUXEON 3030	LL12ZZ-CRC25L19	-	23°	3.2	
	LL12ZZ-CRC55L19	-	54°	1.0	
	LL12ZZ-CRC90L19	-	91°	0.4	
	LL12ZZ-CRC150L19	V-Short	160°	0.2	
	LL12ZZ-CRC40135L19	-	-	-	-
	LL12ZZ-CRC45145L19	II-Short	96°x146°	0.4	
	LL12ZZ-CRC45155L19	II-Medium	58°x152°	0.6	
	LL12ZZ-CRC60145L19	III-Short	43°x147°	0.5	
	LL12ZZ-CRC60155L19	III-Medium	50°x155°	0.7	
LL12ZZ-CRC75140L19	IV-Medium	87°x150°	0.5		
 LUMILEDS LUXEON 3030 2D With Glass	LL12ZZ-CRC25L19	-	-	-	-
	LL12ZZ-CRC55L19	-	-	-	-
	LL12ZZ-CRC90L19	-	91°	0.4	
	LL12ZZ-CRC150L19	-	149°	0.2	
	LL12ZZ-CRC40135L19	I-Short	33°x125°	1.1	
	LL12ZZ-CRC45145L19	II-Short	94°x144°	0.4	
	LL12ZZ-CRC45155L19	II-Short	64°x151°	0.5	
	LL12ZZ-CRC60145L19	III-Short	46°x146°	0.4	
	LL12ZZ-CRC60155L19	II-Short	95°x144°	0.4	
LL12ZZ-CRC75140L19	IV-Short	90°x134°	0.4		
 CREE XP-G3	LL12SS-CRC10L19	-	19°	4.4	
	LL12SS-CRC25L19	-	25°	2.6	
	LL12SS-CRC55L19	-	67°	0.5	
 SAMSUNG LH351B	LL12SS-CRC90L19	-	98°	0.3	
	LL12SS-CRC10L19	-	19°	5.6	
	LL12SS-CRC25L19	-	26°	2.9	
	LL12SS-CRC55L19	-	56°	0.7	
	LL12SS-CRC90L19	-	88°	0.4	

Product Nomenclature



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