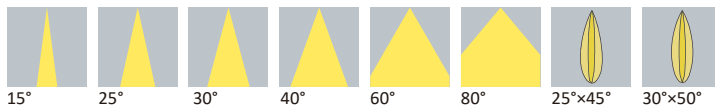




Datasheet
HQ Series

Available Distribution



Dimensions

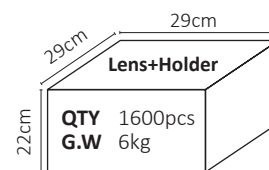
Part Number	Diameter	Height
LL01CR-HQ×L06-M2	Ø16	10.3
LL01ZZ-HQ×L06-M×-T	Ø16.1	9.9
LL01CR-SN×L06-M×-T	Ø16.2	10.3
LL01CR-WJ×L06-M×	Ø16.1	10.3

*All dimensions are in millimeters.

LED



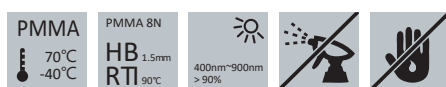
Packaging Details (SPQ)



Recommad Applications



General Information



- Lens Material PMMA 8N
- Operating Temperature -40°C~+70°C
- UL Flammability HB @1.5mm
- UL RTI Elec 90°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.

Accessories



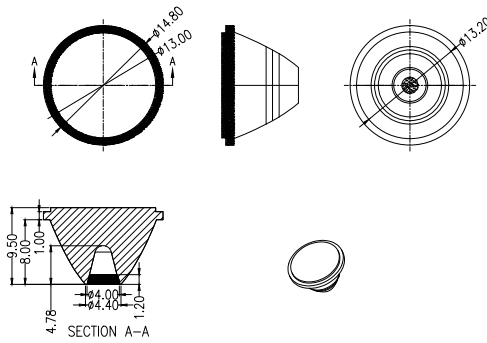
- 4 Different Types of Holder
LL01CRCY30H×
LL01ZZZQ25H×
LL01CRSN30H×
LL01CRWJ30H×
- 2 Different Types of Tape
LL01A00ZBXX
LL01A40AXYXX

Mechanical Specification

*All dimensions are in millimeters.

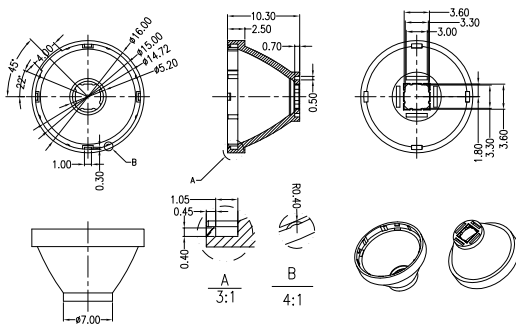
Lens Dimension

LL01CR-HQxxL06



Holder Dimension

LL01CRCY30Hx



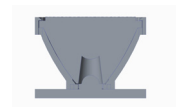
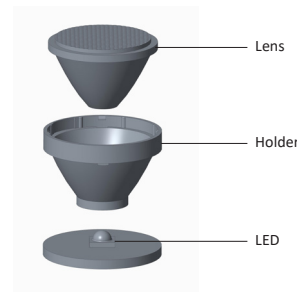
Assembly Instruction

Part No LL01CR-HQxxL06-M2
Holder LL01CRCY30Hx

Fixing Method

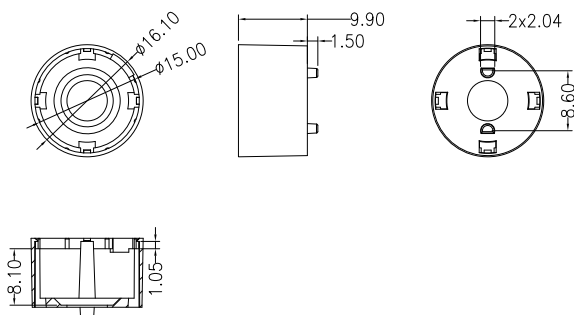


Luminarie
Accessories



Holder Dimension

LL01ZZZQ25Hx



Assembly Instruction

Part No LL01ZZ-HQxxL06-Mx-T
Holder LL01ZZZQ25Hx
Tape LL01A00ZBXX

Fixing Method



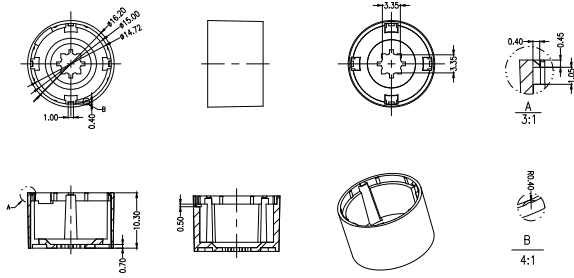
Luminarie
Accessories



Holder Dimension



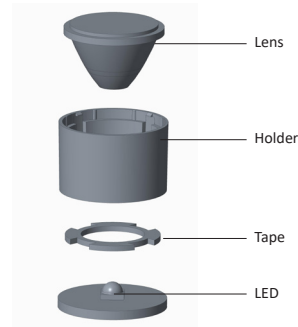
LL01CRSN30Hx



Assembly Instruction

Fixing Method

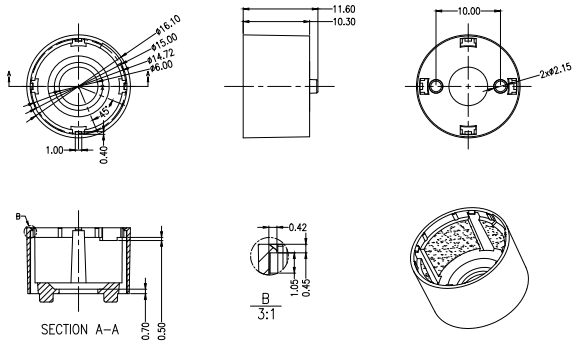
Part No LL01CR-SNxxL06-Mx-T
 Holder LL01CRSN30Hx
 Tape LL01A40AXYXX



Holder Dimension



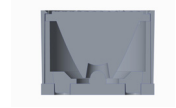
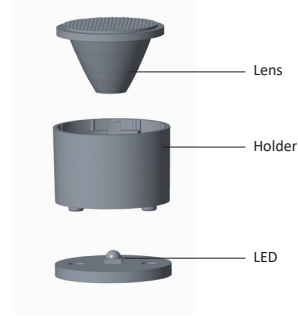
LL01CRWJ30Hx



Assembly Instruction

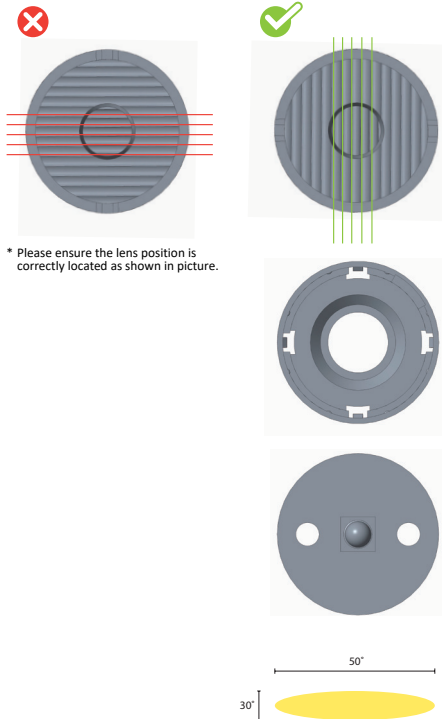
Fixing Method

Part No LL01CR-WJxL06-Mx
Holder LL01CRWJ30Hx



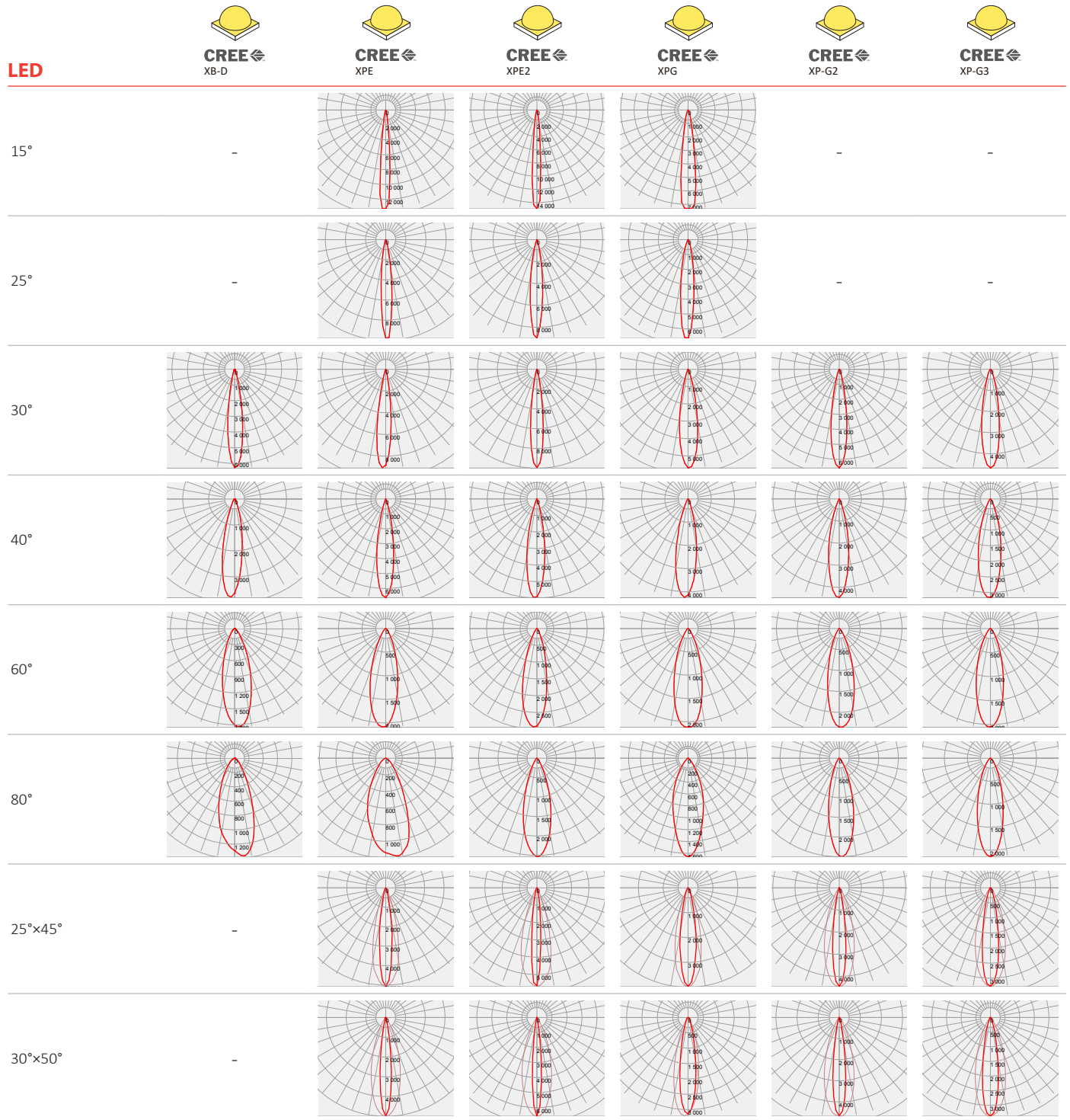
Assembly Instruction

Part No LL01CR-WJxL06-Mx
Holder LL01CRWJ30Hx



* Please ensure the lens position is correctly located as shown in picture.

Photometric Distribution



Photometric Distribution



NICHIA
NCS××19A

LED

15° -

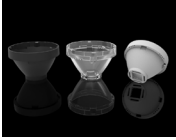

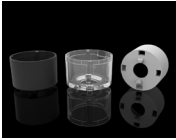
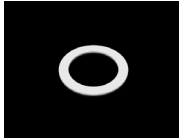





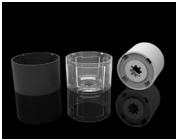



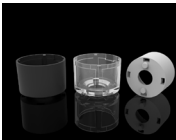


25° -











25°×45° -

30°×50° -

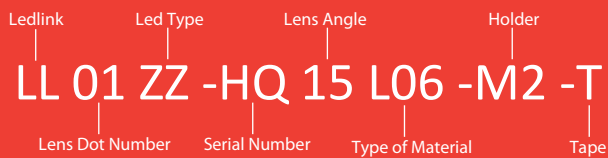
Details by LED

Part No	Holder	Tape	LED Package Size	LED
LL01CR-HQ××L06-M2	 LL01CRCY30H×	-	3535	 CREE XPE
LL01ZZ-HQ××L06-M×-T	 LL01ZZZQ25H×	 LL01A00ZBXX	3535	 CREE XPE  CREE XPE2  CREE XPG  CREE XP-G2  CREE XP-G3
LL01CR-SN××L06-M×-T	 LL01CRSN30H×	 LL01A40AXYXX	3535	 CREE XPE2  CREE XP-G3
LL01CR-WJ××L06-M×	 LL01CRWJ30H×	-	2525 / 3535	 CREE XB-D  NICHIA NCS××19A

LED	Part No	FWHM	cd / lm	IES	
 CREE XB-D	LL01CR-WJ15L06-M2	-	-	-	
	LL01CR-WJ25L06-M2	-	-	-	
	LL01CR-WJ30L06-M2	17°	6.2	↓	
	LL01CR-WJ40L06-M2	22°	3.7	↓	
	LL01CR-WJ60L06-M2	33°	1.8	↓	
	LL01CR-WJ80L06-M2	39°	1.3	↓	
	LL01CR-WJ2545L06-M2	-	-	-	
	LL01CR-WJ3050L06-M2	-	-	-	
 CREE XPE	LL01CR-HQ15L06-M2	10°	13.2	↓	
	LL01CR-HQ25L06-M2	12°	9.7	↓	
	LL01CR-HQ30L06-M2	15°	9.0	↓	
	LL01CR-HQ40L06-M2	19°	6.5	↓	
	LL01CR-HQ60L06-M2	31°	2.0	↓	
	LL01CR-HQ80L06-M2	45°	1.1	↓	
	LL01CR-HQ2545L06-M2	14°x28°	5.0	↓	
	LL01ZZ-HQ15L06-Mx-T	10°	13.2	↓	
	LL01ZZ-HQ25L06-Mx-T	12°	9.7	↓	
	LL01ZZ-HQ30L06-Mx-T	15°	9.0	↓	
	LL01ZZ-HQ40L06-Mx-T	19°	6.5	↓	
	LL01ZZ-HQ60L06-Mx-T	31°	2.0	↓	
	LL01ZZ-HQ80L06-Mx-T	45°	1.1	↓	
	LL01ZZ-HQ2545L06-Mx-T	14°x28°	5.0	↓	
	LL01ZZ-HQ3050L06-Mx-T	13°x33°	4.9	↓	
	 CREE XPE2	LL01ZZ-HQ15L06-Mx-T	9°	14.9	↓
		LL01ZZ-HQ25L06-Mx-T	14°	8.9	↓
		LL01ZZ-HQ30L06-Mx-T	14°	9.9	↓
LL01ZZ-HQ40L06-Mx-T		20°	5.9	↓	
LL01ZZ-HQ60L06-Mx-T		27°	2.9	↓	
LL01ZZ-HQ80L06-Mx-T		31°	2.5	↓	
LL01ZZ-HQ2545L06-Mx-T		10°x32°	5.6	↓	
LL01ZZ-HQ3050L06-Mx-T		10°x33°	6.5	↓	
LL01CR-SN15L06-Mx-T		9°	14.3	↓	
LL01CR-SN25L06-Mx-T		14°	8.6	↓	
LL01CR-SN30L06-Mx-T		14°	9.5	↓	
LL01CR-SN40L06-Mx-T		20°	5.7	↓	
LL01CR-SN60L06-Mx-T		27°	2.8	↓	
LL01CR-SN80L06-Mx-T		31°	2.4	↓	
LL01CR-SN2545L06-Mx-T		10°x32	5.4	↓	
LL01CR-SN3050L06-Mx-T		10°x34	6.4	↓	
 CREE XPG		LL01ZZ-HQ15L06-Mx-T	15°	7.3	↓
		LL01ZZ-HQ25L06-Mx-T	15°	6.6	↓
	LL01ZZ-HQ30L06-Mx-T	20°	5.6	↓	
	LL01ZZ-HQ40L06-Mx-T	23°	4.2	↓	
	LL01ZZ-HQ60L06-Mx-T	35°	1.8	↓	
	LL01ZZ-HQ80L06-Mx-T	53°	0.9	↓	
	LL01ZZ-HQ2545L06-Mx-T	18°x29°	3.9	↓	
	LL01ZZ-HQ3050L06-Mx-T	18°x28°	3.2	↓	

LED	Part No	FWHM	cd / lm	IES	
 CREE XP-G2	LL01ZZ-HQ15L06-Mx-T	-	-	-	
	LL01ZZ-HQ25L06-Mx-T	-	-	-	
	LL01ZZ-HQ30L06-Mx-T	18°	6.5	↓	
	LL01ZZ-HQ40L06-Mx-T	23°	4.4	↓	
	LL01ZZ-HQ60L06-Mx-T	30°	2.3	↓	
	LL01ZZ-HQ80L06-Mx-T	29°	2.5	↓	
	LL01ZZ-HQ2545L06-Mx-T	15°x34°	4.4	↓	
	LL01ZZ-HQ3050L06-Mx-T	14°x33°	4.6	↓	
	 CREE XP-G3	LL01ZZ-HQ15L06-Mx-T	-	-	-
		LL01ZZ-HQ25L06-Mx-T	-	-	-
LL01ZZ-HQ30L06-Mx-T		20°	4.6	↓	
LL01ZZ-HQ40L06-Mx-T		26°	3.1	↓	
LL01ZZ-HQ60L06-Mx-T		31°	2.0	↓	
LL01ZZ-HQ80L06-Mx-T		30°	2.1	↓	
LL01ZZ-HQ2545L06-Mx-T		18°x34°	3.2	↓	
LL01ZZ-HQ3050L06-Mx-T		18°x34°	3.3	↓	
 NICHIA NCSxx19A		LL01CR-SN15L06-Mx-T	-	-	-
		LL01CR-SN25L06-Mx-T	-	-	-
	LL01CR-SN30L06-Mx-T	20°	4.5	↓	
	LL01CR-SN40L06-Mx-T	26°	3.1	↓	
	LL01CR-SN60L06-Mx-T	31°	2.0	↓	
	LL01CR-SN80L06-Mx-T	30°	2.1	↓	
	LL01CR-SN2545L06-Mx-T	18°x34°	3.2	↓	
	LL01CR-SN3050L06-Mx-T	18°x34°	3.3	↓	
	 NICHIA NCSxx19A	LL01CR-WJ15L06-M2	-	-	-
		LL01CR-WJ25L06-M2	-	-	-
LL01CR-WJ30L06-M2		16°	7.6	↓	
LL01CR-WJ40L06-M2		21°	4.7	↓	
LL01CR-WJ60L06-M2		31°	1.9	↓	
LL01CR-WJ80L06-M2		37°	1.5	↓	
LL01CR-WJ2545L06-M2		-	-	-	
LL01CR-WJ3050L06-M2	-	-	-		

Product Nomenclature



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