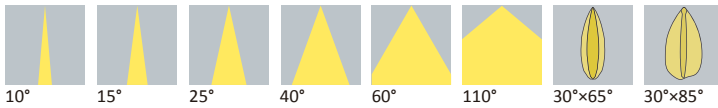




Datasheet

EX Series

Available Distribution

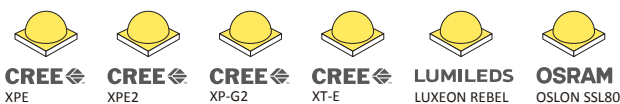


Dimensions

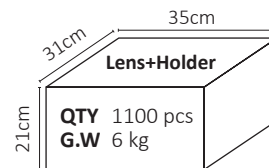
Part Number	Diameter	Height
LL01CR-EXxxL06-M2-T	Ø23	10.63
LL01LU-EXxxL06-M2-T	Ø22.4	9.63
LL01OS-EXxxL06-M2-T	Ø22.4	9.63
LL01ZZ-EXxxL06-M2-T	Ø22.4	9.63
LL01ZZ-EXxxL06-U2-T	Ø22.4	9.63

*All dimensions are in millimeters.

LED



Packaging Details (SPQ)



Recommend Applications



General Information



- Lens Material PMMA 8N
- Operating Temperature -40°C~+70°C
- 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



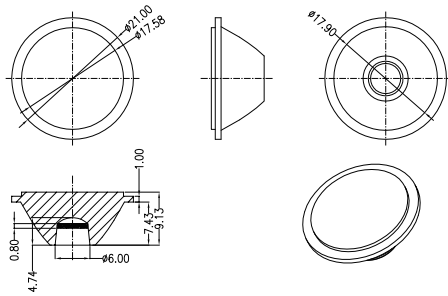
- 5 Different Types of Holder
 - LL01CRNW10H2
 - LL01LUCR60H2
 - LL01OSMZZ5H2
 - LL01ZZCL60H2
 - LL01ZZWB60H2
- Available with Tape LL01A00XGXX

Mechanical Specification

*All dimensions are in millimeters.

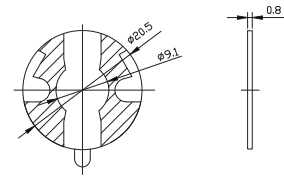
Lens Dimension

LL01ZZ-EX××L06



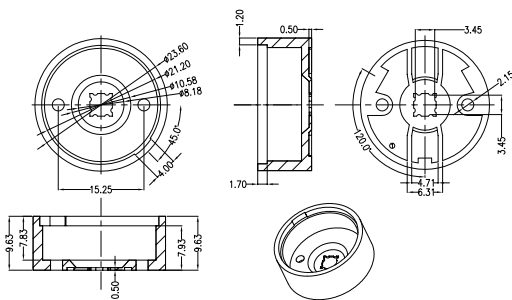
Tape Dimension

LL01A00XGXX



Holder Dimension

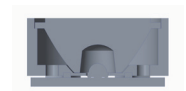
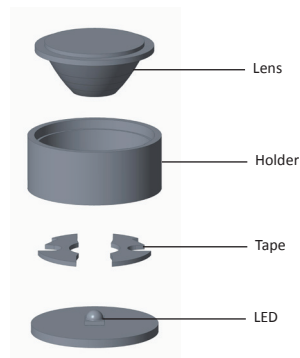
LL01CRNW10H2



Assembly Instruction

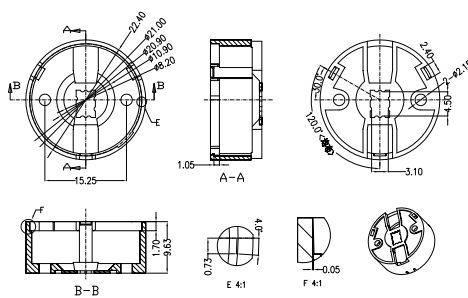
Part No LL01CR-EX××L06-M2-T
Holder LL01CRNW10H2
Tape LL01A00XGXX

Fixing Method



Holder Dimension

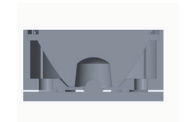
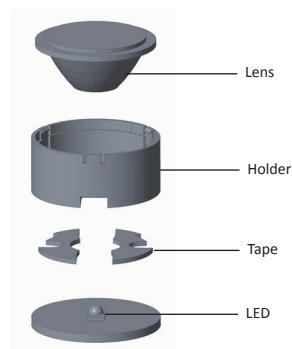
LL01LUCR60H2



Assembly Instruction

Part No LL01LU-EX××L06-M2-T
Holder LL01LUCR60H2
Tape LL01A00XGXX

Fixing Method

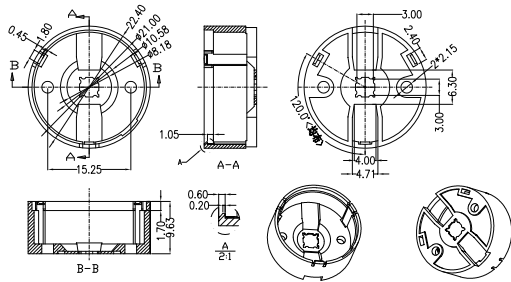


Mechanical Specification

*All dimensions are in millimeters.

Holder Dimension

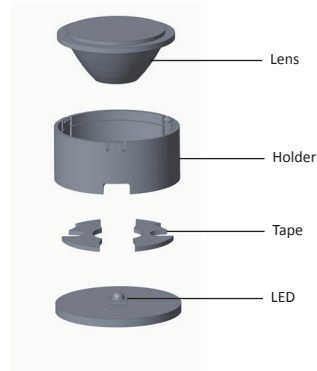
LL01OSMZ25H2



Assembly Instruction

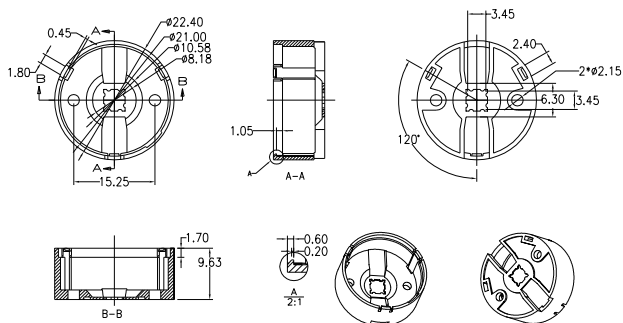
Part No LL01OS-EX××L06-M2-T
 Holder LL01OSMZ25H2
 Tape LL01A00XGXX

Fixing Method



Holder Dimension

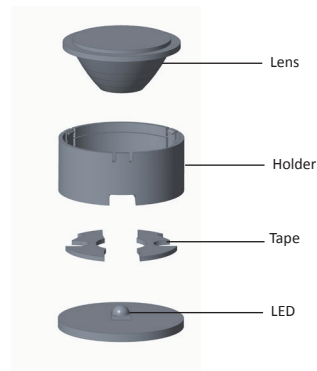
LL01ZZCL60H2



Assembly Instruction

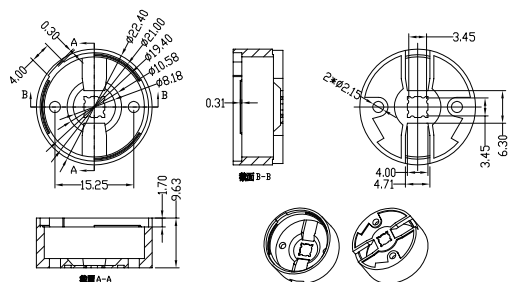
Part No LL01ZZ-EX××L06-M2-T
 Holder LL01ZZCL60H2
 Tape LL01A00XGXX

Fixing Method



Holder Dimension

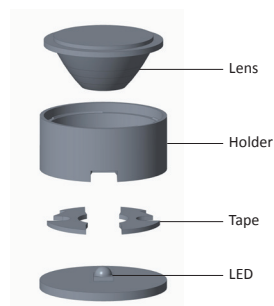
LL01ZZWB60H2



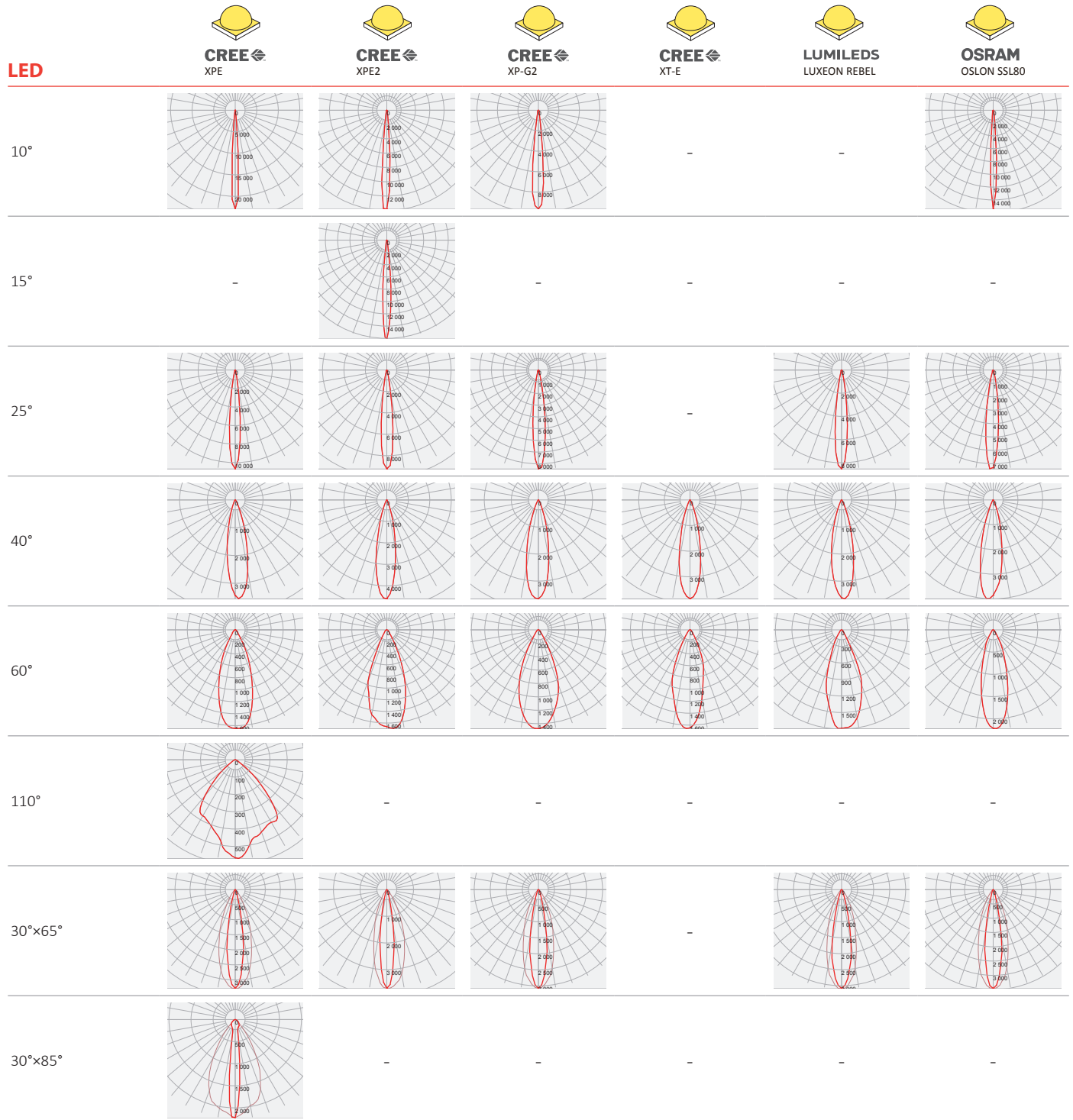
Assembly Instruction

Part No LL01ZZ-EX××L06-U2-T
 Holder LL01ZZWB60H2
 Tape LL01A00XGXX

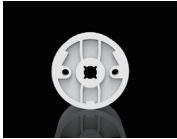









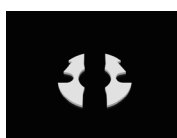





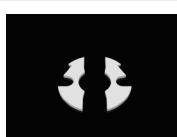

Fixing Method









Photometric Distribution



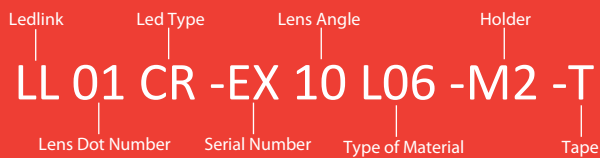
Details by LED

Part No	Holder	Tape	LED Package Size	LED
LL01CR-EX×L06-M2-T	 LL01CRNW10H2	 LL01A00XGXX	3535	 CREE XPE
LL01LU-EX×L06-M2-T	 LL01LUCR60H2	 LL01A00XGXX	3045	 LUMILEDS LUXEON REBEL
LL01OS-EX×L06-M2-T	 LL01OSMZ25H2	 LL01A00XGXX	3030	 OSRAM OSOLON SSL80
LL01ZZ-EX×L06-M2-T	 LL01ZZCL60H2	 LL01A00XGXX	3535	    CREE CREE CREE CREE XPE XPE2 XP-G2 XT-E
LL01ZZ-EX×L06-U2-T	 LL01ZZWB60H2	 LL01A00XGXX	3535	 CREE XPE

LED	Part No	FWHM	cd / lm	IES
 CREE XPE	LL01CR-EX10L06-M2-T	8°	21.8	↓
	LL01CR-EX15L06-M2-T	-	-	-
	LL01CR-EX25L06-M2-T	12°	10.6	↓
	LL01CR-EX40L06-M2-T	23°	3.5	↓
	LL01CR-EX60L06-M2-T	38°	1.6	↓
	LL01CR-EX110L06-M2-T	81°	0.6	↓
	LL01CR-EX3065L06-M2-T	18°×37°	3.2	↓
	LL01CR-EX3085L06-M2-T	10°×55°	2.6	↓
	LL01ZZ-EX10L06-M2-T	7°	22.9	↓
	LL01ZZ-EX15L06-M2-T	-	-	-
	LL01ZZ-EX25L06-M2-T	12°	10.6	↓
	LL01ZZ-EX40L06-M2-T	23°	3.5	↓
	LL01ZZ-EX60L06-M2-T	38°	1.6	↓
	LL01ZZ-EX110L06-M2-T	81°	0.5	↓
	LL01ZZ-EX3065L06-M2-T	18°×37°	3.2	↓
	LL01ZZ-EX3085L06-M2-T	11°×56°	2.2	↓
	LL01ZZ-EX10L06-U2-T	7°	22.9	↓
	LL01ZZ-EX15L06-U2-T	-	-	-
	LL01ZZ-EX25L06-U2-T	12°	10.6	↓
	LL01ZZ-EX40L06-U2-T	23°	3.5	↓
LL01ZZ-EX60L06-U2-T	38°	1.6	↓	
LL01ZZ-EX110L06-U2-T	81°	0.5	↓	
LL01ZZ-EX3065L06-U2-T	18°×37°	3.2	↓	
LL01ZZ-EX3085L06-U2-T	11°×56°	2.2	↓	
 CREE XPE2	LL01ZZ-EX10L06-M2-T	8°	13.8	↓
	LL01ZZ-EX15L06-M2-T	9°	16.0	↓
	LL01ZZ-EX25L06-M2-T	13°	9.2	↓
	LL01ZZ-EX40L06-M2-T	22°	4.5	↓
	LL01ZZ-EX60L06-M2-T	41°	1.6	↓
	LL01ZZ-EX110L06-M2-T	-	-	-
	LL01ZZ-EX3065L06-M2-T	16°×35°	3.7	↓
	LL01ZZ-EX3085L06-M2-T	-	-	-
 CREE XP-G2	LL01ZZ-EX10L06-M2-T	11°	9.6	↓
	LL01ZZ-EX15L06-M2-T	-	-	-
	LL01ZZ-EX25L06-M2-T	14°	8.4	↓
	LL01ZZ-EX40L06-M2-T	25°	3.6	↓
	LL01ZZ-EX60L06-M2-T	44°	1.4	↓
	LL01ZZ-EX110L06-M2-T	-	-	-
	LL01ZZ-EX3065L06-M2-T	19°×34°	3.0	↓
LL01ZZ-EX3085L06-M2-T	-	-	-	
 CREE XT-E	LL01ZZ-EX10L06-M2-T	-	-	-
	LL01ZZ-EX15L06-M2-T	-	-	-
	LL01ZZ-EX25L06-M2-T	-	-	-
	LL01ZZ-EX40L06-M2-T	24°	3.8	↓
	LL01ZZ-EX60L06-M2-T	36°	1.6	↓
	LL01ZZ-EX110L06-M2-T	-	-	-
LL01ZZ-EX3065L06-M2-T	-	-	-	
LL01ZZ-EX3085L06-M2-T	-	-	-	

LED	Part No	FWHM	cd / lm	IES	
 LUMILEDS LUXEON REBEL	LL01LU-EX10L06-M2-T	-	-	-	
	LL01LU-EX15L06-M2-T	-	-	-	
	LL01LU-EX25L06-M2-T	13°	8.5	↓	
	LL01LU-EX40L06-M2-T	25°	3.6	↓	
	LL01LU-EX60L06-M2-T	39°	1.7	↓	
	LL01LU-EX110L06-M2-T	-	-	-	
	LL01LU-EX3065L06-M2-T	21°×33°	3.0	↓	
	LL01LU-EX3085L06-M2-T	-	-	-	
	 OSRAM OSOLON SSL80	LL01OS-EX10L06-M2-T	7°	15.4	↓
		LL01OS-EX15L06-M2-T	-	-	-
LL01OS-EX25L06-M2-T		14°	7.3	↓	
LL01OS-EX40L06-M2-T		24°	3.9	↓	
LL01OS-EX60L06-M2-T		30°	2.2	↓	
LL01OS-EX110L06-M2-T		-	-	-	
LL01OS-EX3065L06-M2-T		19°×34°	3.4	↓	
LL01OS-EX3085L06-M2-T		-	-	-	

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