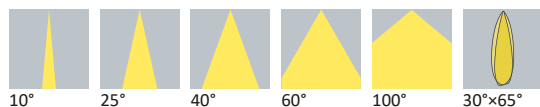
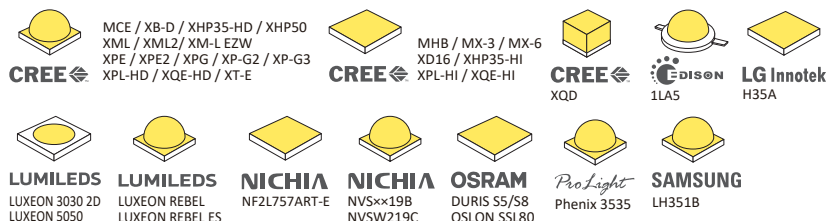


Datasheet FL Series

Available Distribution



LED



Recommand Applications



General Information



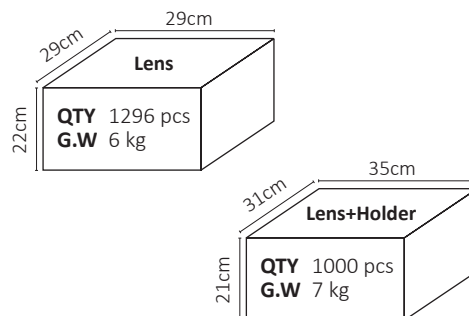
- Lens Material PMMA 8N
- Operating Temperature -40°C~+70°C
- UL Flammability HB @ 1.5mm
- UL RTI Elec 90°C @ 1.5mm
- Light Transmission Rate 400nm~900nm > 90%
- ✓ If necessary, Clean lenses with mild soap, water and soft cloth.
- ⚠ Never use any commercial cleaning solvents on lenses, like alcohol.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

Dimensions

Part Number	Diameter	Height
LL01ZZ-FLxxL06	Ø22	10.6
LL01XP-FLxxL06-Mx	Ø24.3	11.6
LL01LU-FLxxL06-Mx	Ø24.3	11.6
LL01CR-FLxxL06-Mx	Ø24.3	12.15
LL01CR-DAxxL06-Mx	Ø24.3	12.3
LL01ZZ-FLxxL06-Ux	24x24 (LxW)	11.5

*All dimensions are in millimeters.

Packaging Details (SPQ)



Accessories



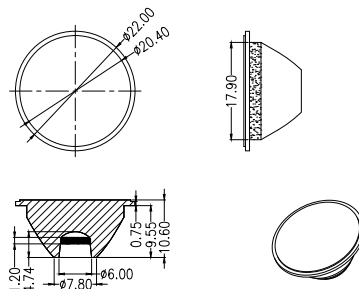
- 5 Different Types of Holder
LL01CRCM25Hx
LL01LUCN25Hx
LL01CRCO25Hx
LL01CRRM10Hx
LL01CRDA25Hx
- Available with Tape
LL01A00XGUX

Mechanical Specification

*All dimensions are in millimeters.

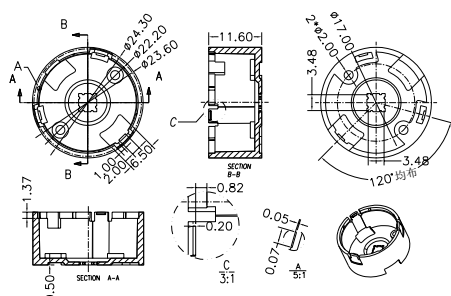
Lens Dimension

LL01ZZ-FLxxL06



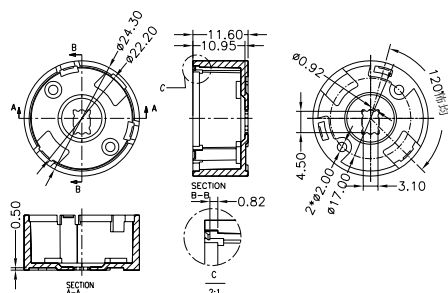
Holder Dimension

LL01CRCM25Hx



Holder Dimension

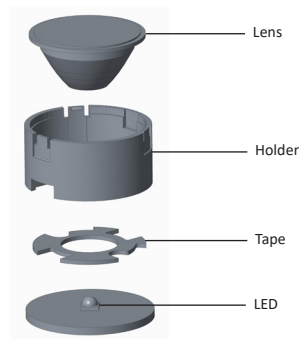
LL01LUCN25Hx



Assembly Instruction

Part No	LL01XP-FLxxL06-Mx-T
Holder	LL01CRCM25Hx
Tape	LL01A00XGUX

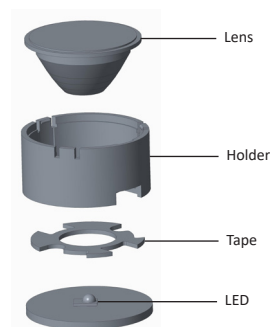
Fixing Method



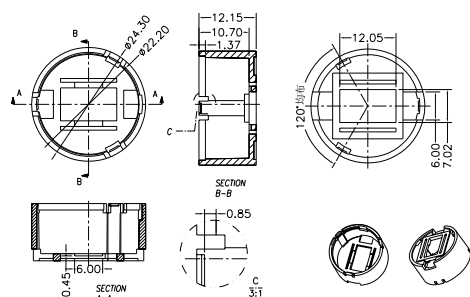
Assembly Instruction

Part No	LL01LU-FLx×L06-Mx-T
Holder	LL01LUCN25Hx
Tape	LL01A00XGUX

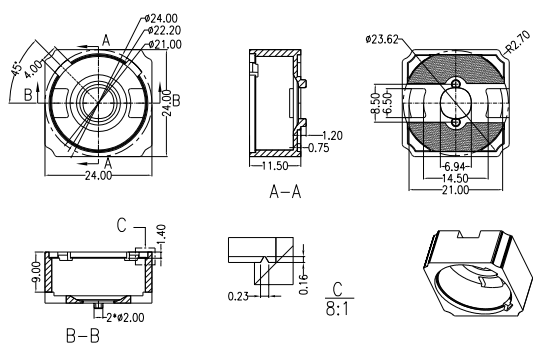
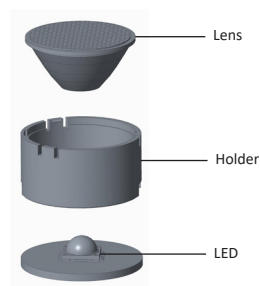
Fixing Method



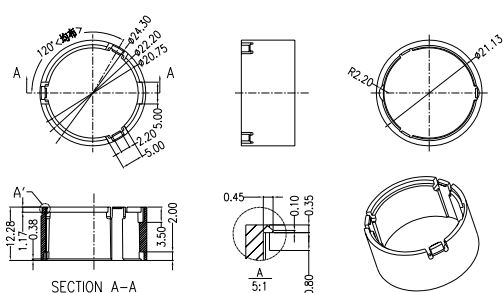
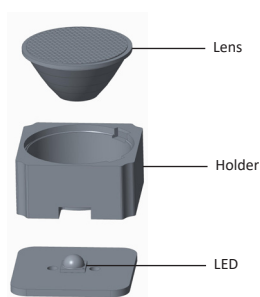
*All dimensions are in millimeters.



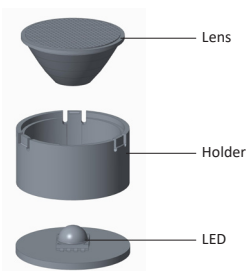
Luminarie
Accessories



Luminarie
Accessories



Luminarie
Accessories



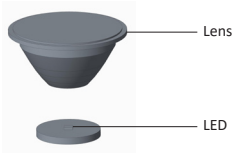
Mechanical Specification

*All dimensions are in millimeters.

Assembly Instruction

Fixing Method

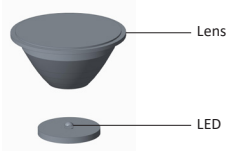
Part No LL01ZZ-FL××L06
LED CREE MHB / MX-3/ MX-6 / XD16 / XQE-HI
EDISON 1LA5 / OSRAM Duris S8



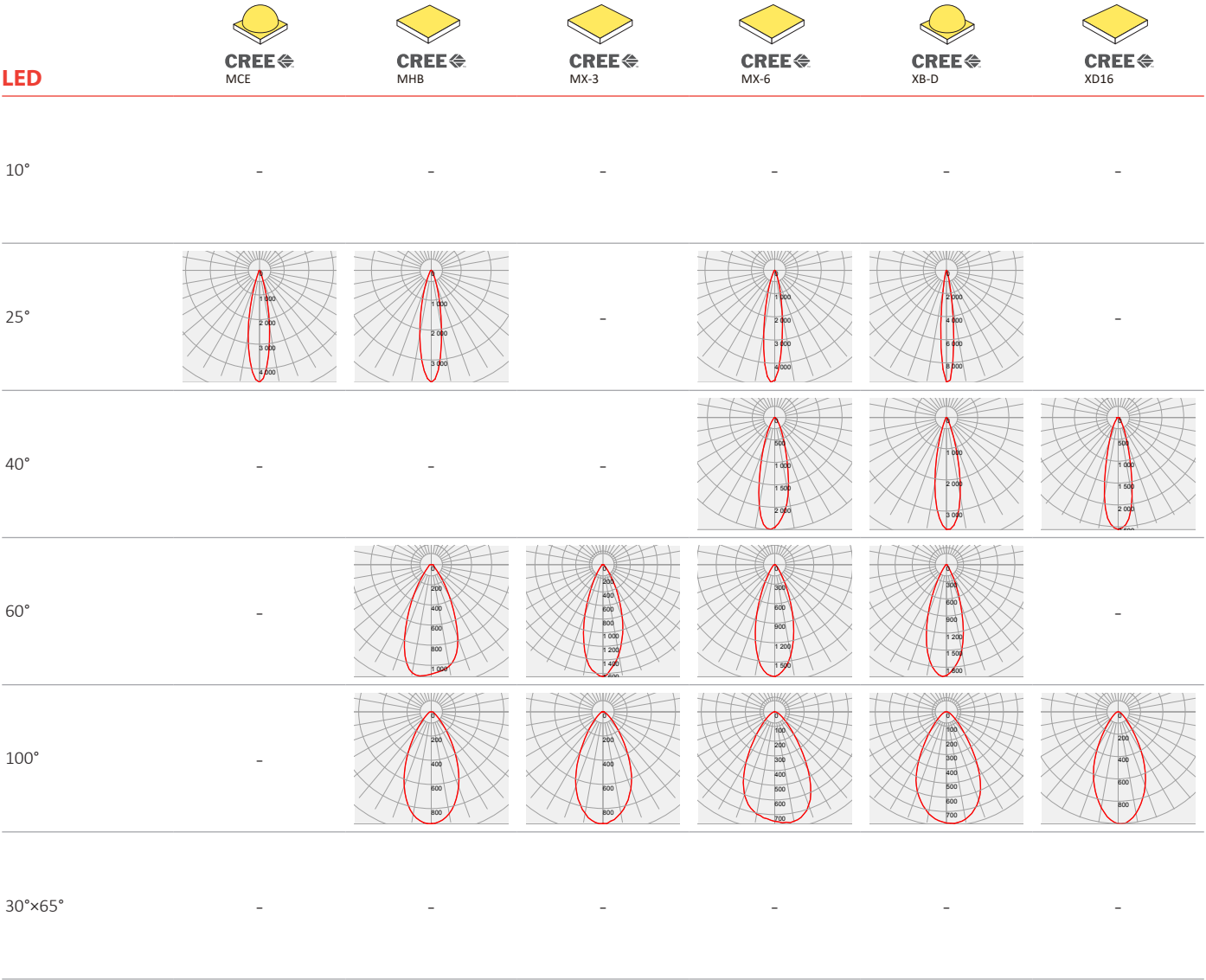
Assembly Instruction

Fixing Method

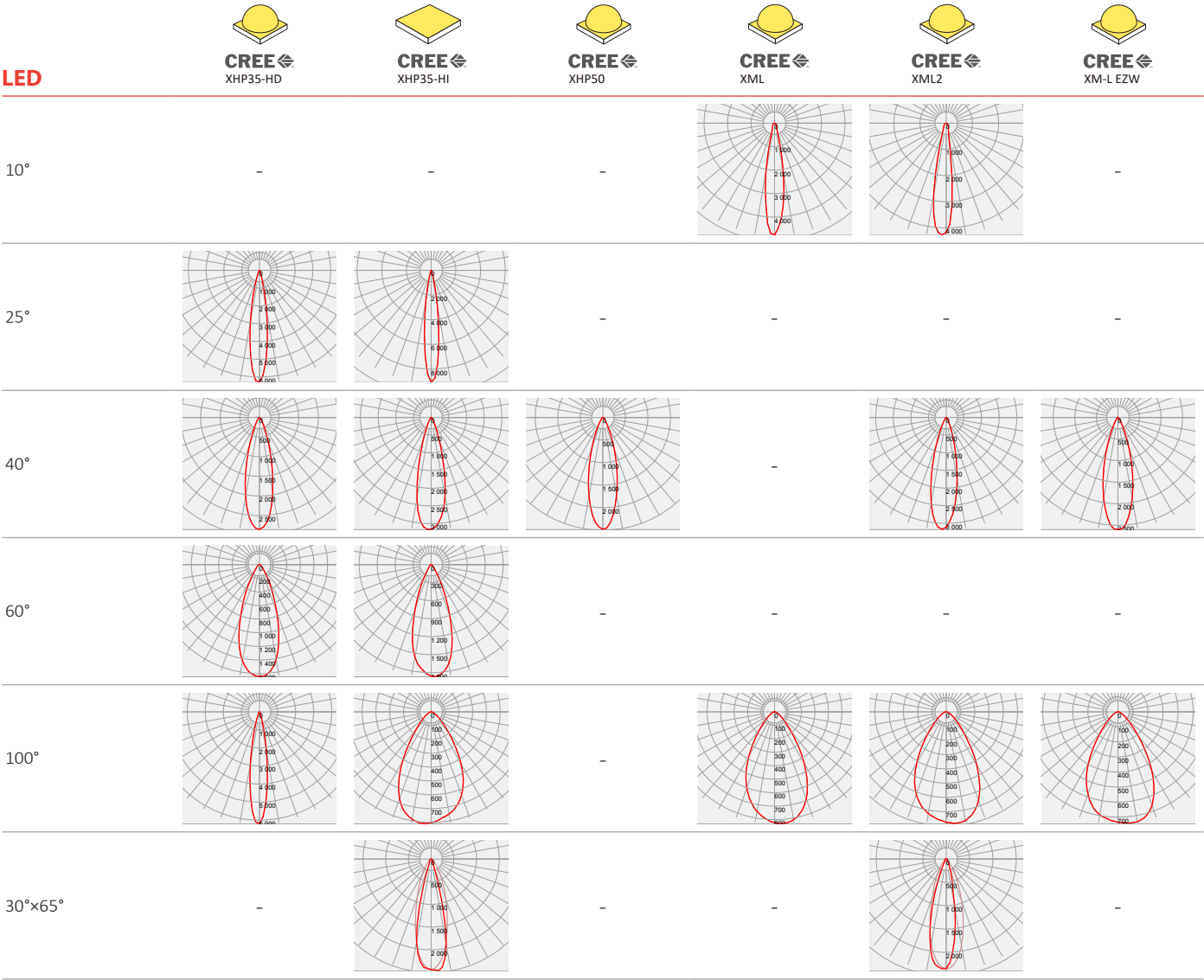
Part No LL01ZZ-FL××L06
LED CREE XBD / XQD / XQE-HD



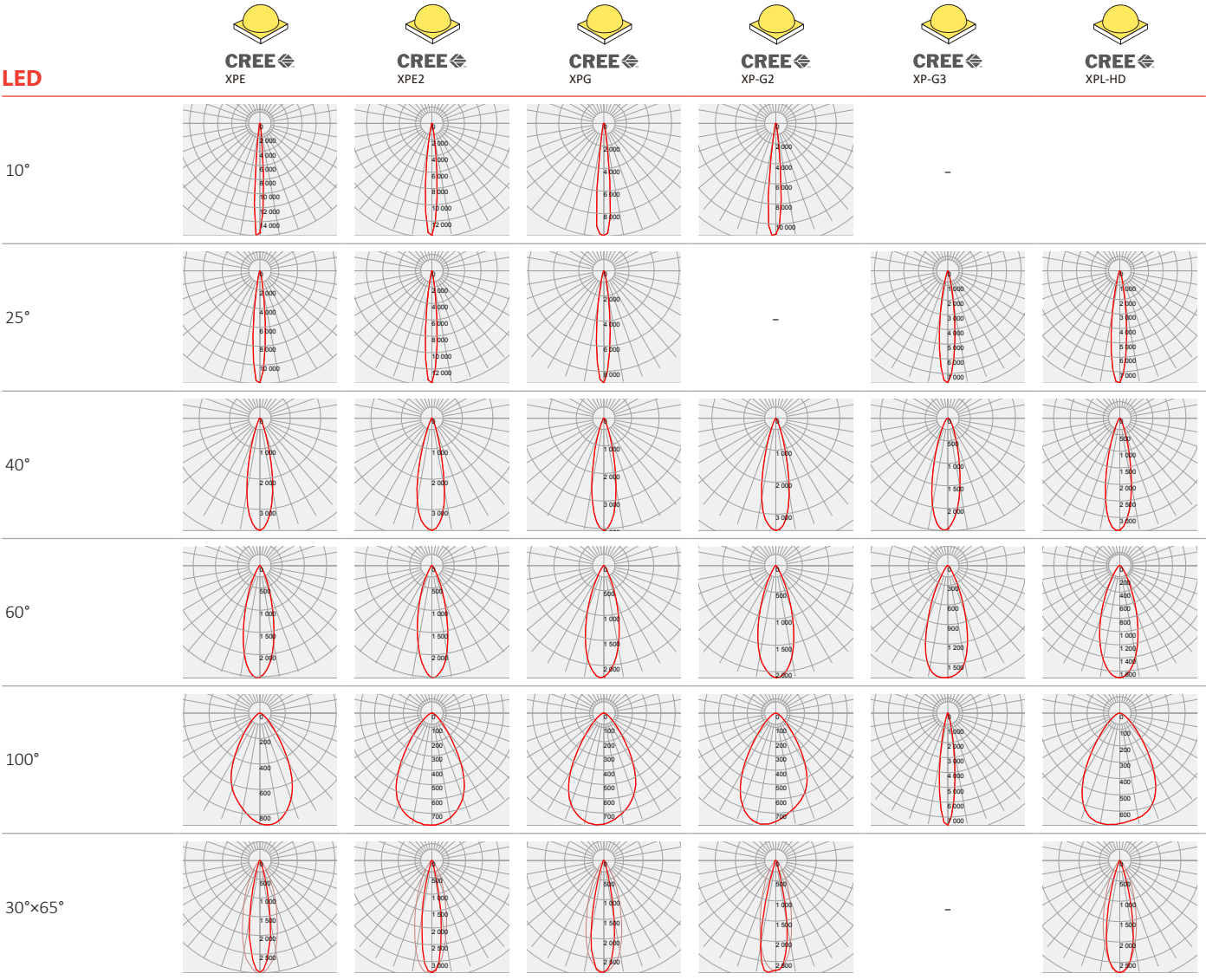
Photometric Distribution



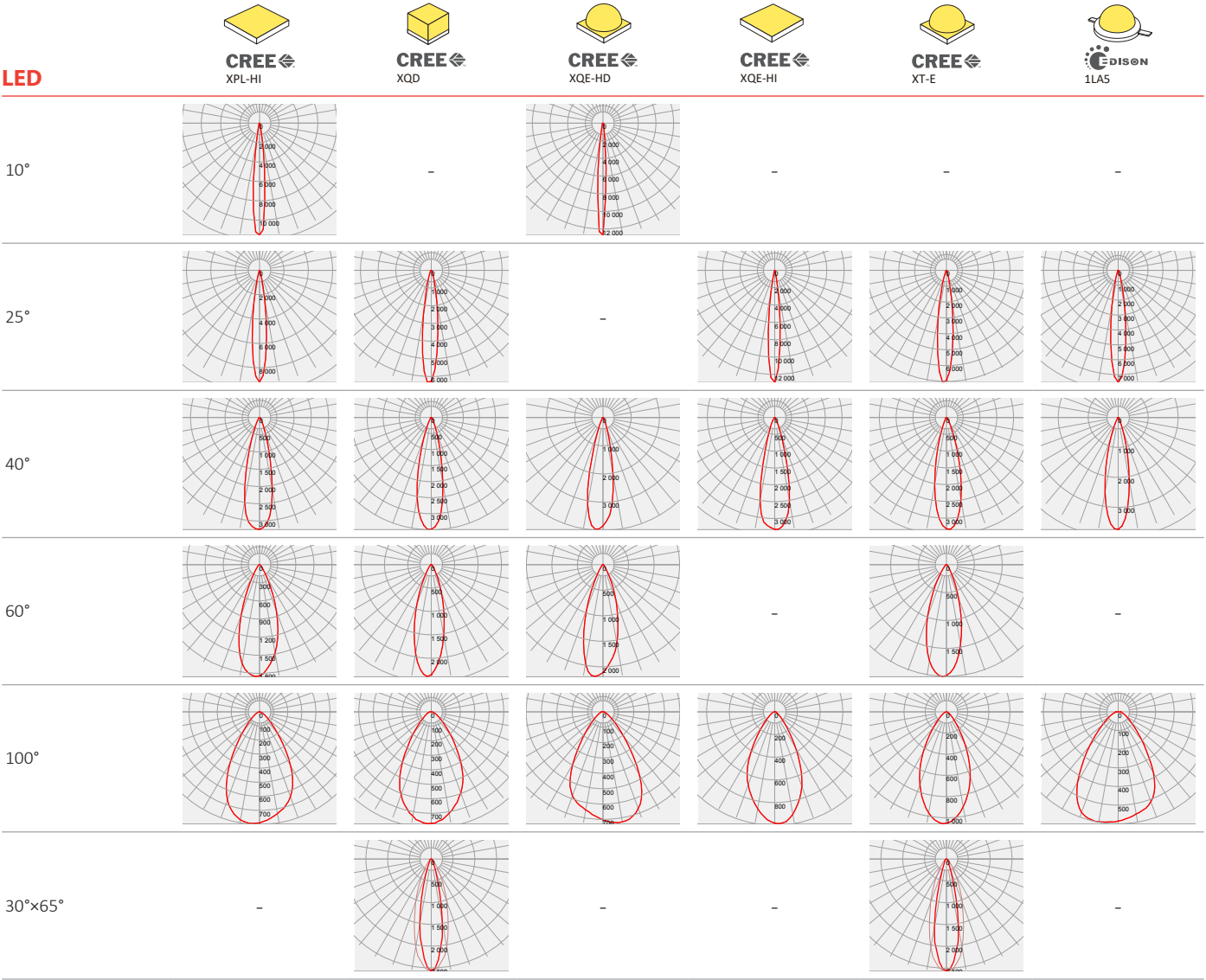
Photometric Distribution



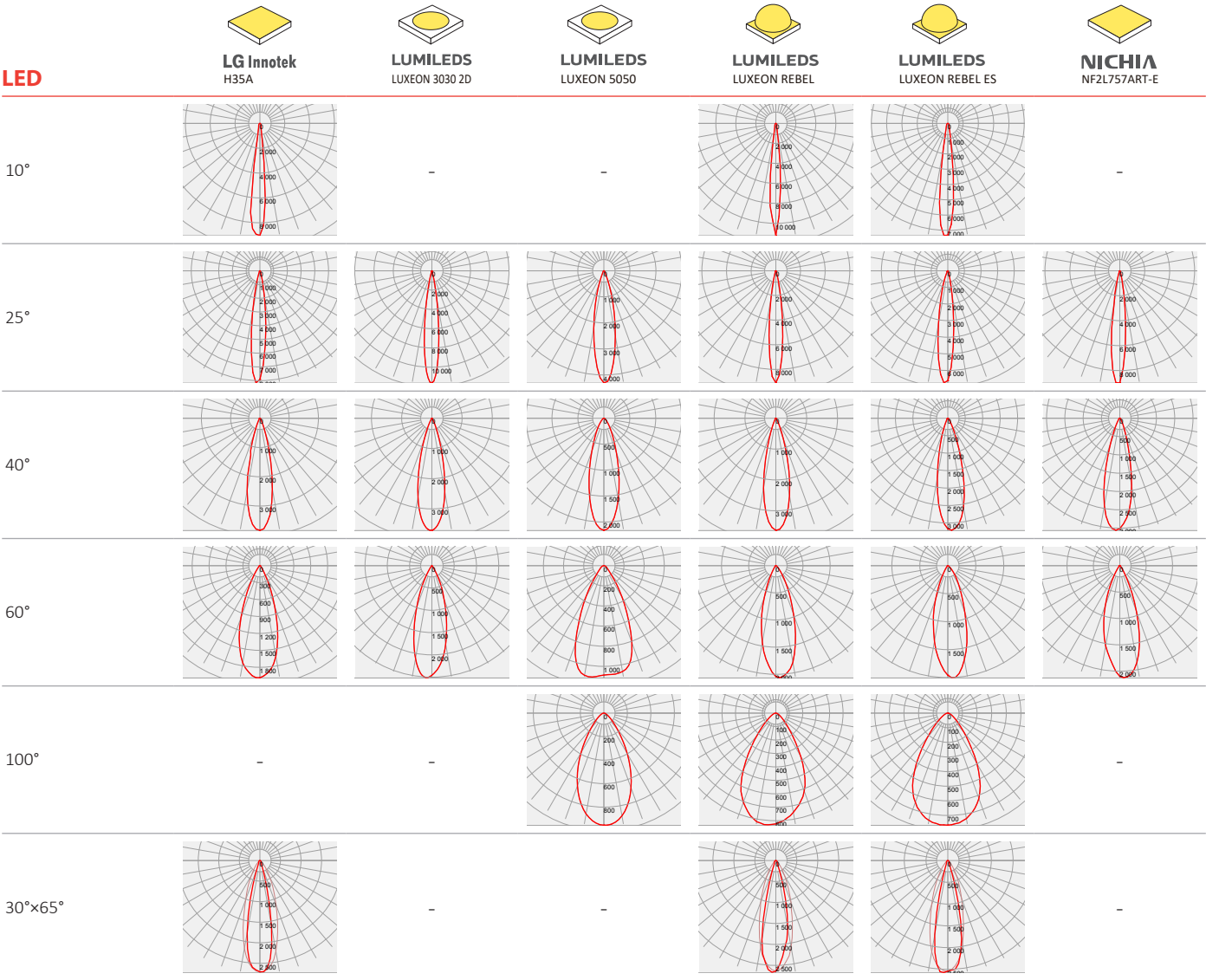
Photometric Distribution



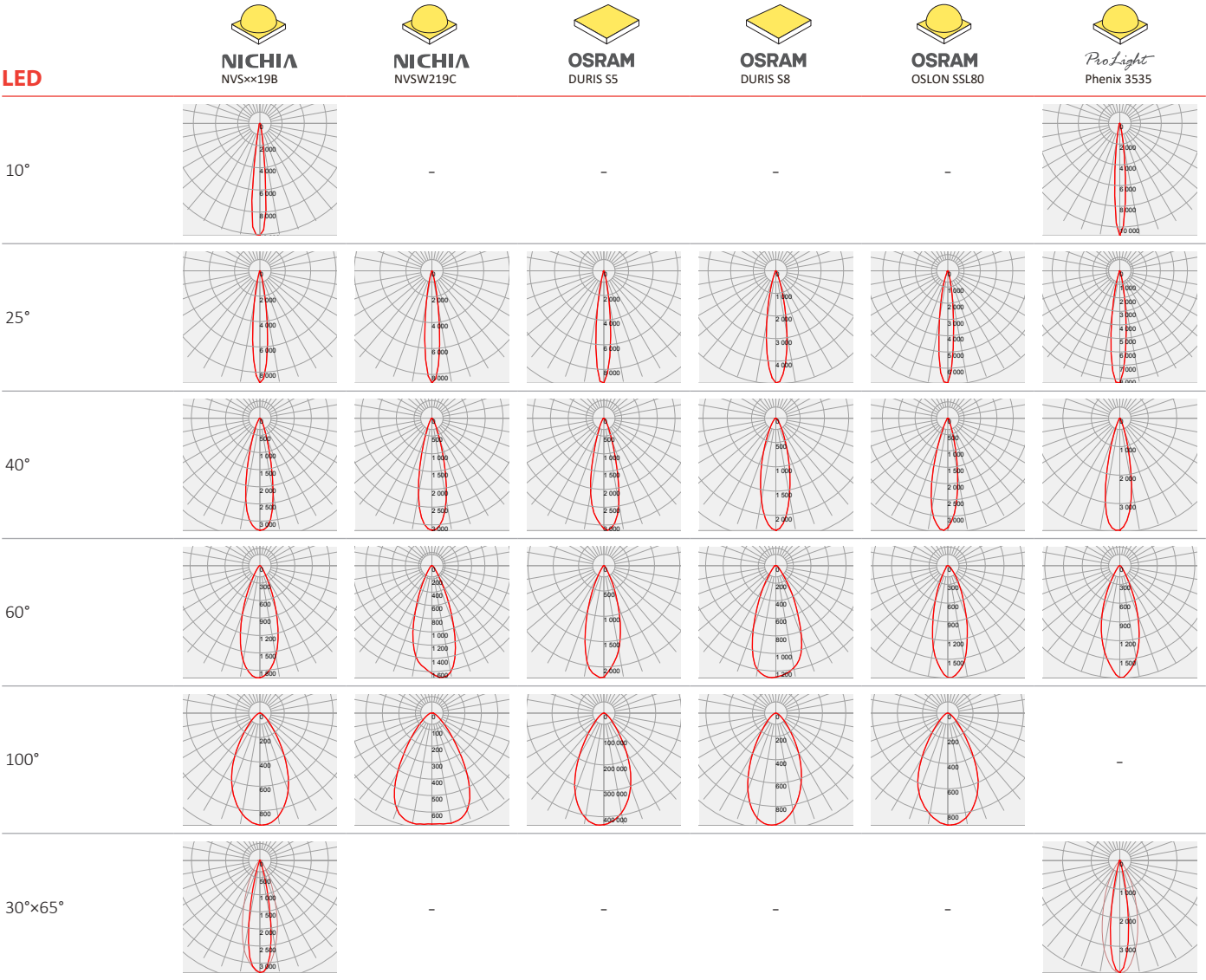
Photometric Distribution



Photometric Distribution



Photometric Distribution



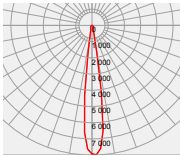
Photometric Distribution



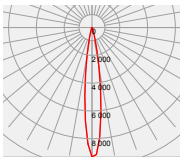
SAMSUNG
LH351B

LED

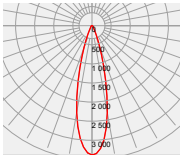
10°



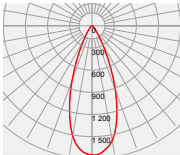
25°



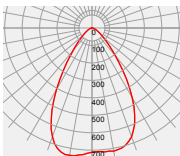
40°



60°



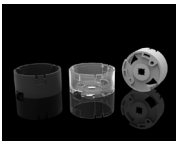
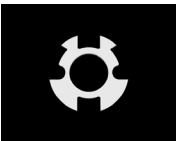
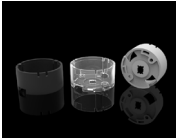
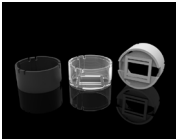
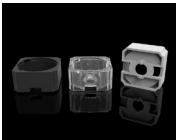
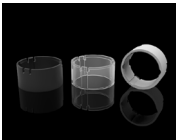
100°



30°×65°

-

Details by LED

Part No	Holder	Tape	LED Package Size	LED
LL01ZZ-FL××L06	-	-	1616 / 2525 / 5050 Edison 1LA5	 CREE MHB  CREE MX-3  CREE MX-6  CREE XB-D  CREE XD16  CREE XQD  CREE XQE-HD  CREE XQE-HI  EDISON 1LA5  OSRAM DURIS S8
LL01XP-FL××L06-M×-T	 LL01CRCM25H×  LL01A00XGUX	-	3030 / 3535	 CREE XHP35-HD  CREE XHP35-HI  CREE XPE  CREE XPE2  CREE XPG  CREE XP-G2  CREE XP-G3  CREE XPL-HI  CREE XPL-HD  CREE XT-E  LG Innotek H35A  LUMILEDS LUXEON 3030 2D  NICHIA NF2L757ART-E  NICHIA NVS××19B  NICHIA NVSW219C  OSRAM DURIS S5  OSRAM OSOLON SSL80  <i>ProLight</i> Phenix 3535  SAMSUNG LH351B
LL01LU-FL××L06-M×-T	 LL01LUCN25H×  LL01A00XGUX	-	3146 / 3050	 LUMILEDS LUXEON REBEL  LUMILEDS LUXEON REBEL ES
LL01CR-FL××L06-M×	 LL01CRCO25H×	-	7075	 CREE MCE
LL01ZZ-FL××L06-U×	 LL01CRRM10H×	-	5050	 CREE XHP50  CREE XML  CREE XML2  CREE XM-L EZW  LUMILEDS LUXEON 5050
LL01CR-DA××L06-M×	 LL01CRDA25H×	-	7075	 CREE MCE

LED	Part No	FWHM	cd / lm	IES
 CREE MCE	LL01CR-DA10L06-M2	-	-	-
	LL01CR-DA25L06-M2	21°	4.5	
	LL01CR-DA40L06-M2	-	-	-
	LL01CR-DA60L06-M2	-	-	-
	LL01CR-DA100L06-M2	-	-	-
	LL01CR-DA3065L06-M2	-	-	-
	LL01CR-FL10L06-M2	-	-	-
	LL01CR-FL25L06-M2	21°	4.5	
	LL01CR-FL40L06-M2	-	-	-
	LL01CR-FL60L06-M2	-	-	-
	LL01CR-FL100L06-M2	-	-	-
	LL01CR-FL3065L06-M2	-	-	-
 CREE MHB	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	22°	3.7	
	LL01ZZ-FL40L06	-	-	-
	LL01ZZ-FL60L06	49°	1.1	
	LL01ZZ-FL100L06	54°	0.9	
 CREE MX-3	LL01ZZ-FL3065L06	-	-	-
	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	-	-	-
	LL01ZZ-FL40L06	-	-	-
	LL01ZZ-FL60L06	39°	1.6	
 CREE MX-6	LL01ZZ-FL100L06	55°	0.9	
	LL01ZZ-FL3065L06	-	-	-
	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	19°	4.8	
	LL01ZZ-FL40L06	29°	2.4	
 CREE XB-D	LL01ZZ-FL60L06	38°	1.7	
	LL01ZZ-FL100L06	62°	0.7	
	LL01ZZ-FL3065L06	-	-	-
	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	-	-	-
 CREE XD16	LL01ZZ-FL40L06	27°	2.5	
	LL01ZZ-FL60L06	-	-	-
	LL01ZZ-FL100L06	52°	1.0	
	LL01ZZ-FL3065L06	-	-	-
	LL01XP-FL10L06-M2-T	-	-	-
 CREE XHP35-HD	LL01XP-FL25L06-M2-T	17°	6.2	
	LL01XP-FL40L06-M2-T	27°	2.8	
	LL01XP-FL60L06-M2-T	38°	1.6	
	LL01XP-FL100L06-M2-T	67°	0.6	
	LL01XP-FL3065L06-M2-T	-	-	-

LED	Part No	FWHM	cd / lm	IES
 CREE XHP35-HI	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	14°	9.0	
	LL01XP-FL40L06-M2-T	27°	3.1	
	LL01XP-FL60L06-M2-T	37°	1.8	
	LL01XP-FL100L06-M2-T	61°	0.8	
	LL01XP-FL3065L06-M2-T	26°×32°	2.4	
 CREE XHP50	LL01ZZ-FL10L06-U2	-	-	-
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	29°	2.4	
	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	-	-	-
	LL01ZZ-FL3065L06-U2	-	-	-
 CREE XML	LL01ZZ-FL10L06-U2	18°	4.7	
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	-	-	-
	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	59°	0.8	
	LL01ZZ-FL3065L06-U2	-	-	-
 CREE XML2	LL01ZZ-FL10L06-U2	17°	4.2	
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	26°	3.1	
	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	62°	0.7	
	LL01ZZ-FL3065L06-U2	24°×34°	2.3	
 CREE XM-L EZW	LL01ZZ-FL10L06-U2	-	-	-
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	29°	2.5	
	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	63°	0.7	
	LL01ZZ-FL3065L06-U2	-	-	-
 CREE XPE	LL01XP-FL10L06-M2-T	8°	15.9	
	LL01XP-FL25L06-M2-T	12°	11.8	
	LL01XP-FL40L06-M2-T	25°	3.6	
	LL01XP-FL60L06-M2-T	30°	2.5	
	LL01XP-FL100L06-M2-T	59°	0.8	
	LL01XP-FL3065L06-M2-T	20°×34°	2.9	
 CREE XPE2	LL01XP-FL10L06-M2-T	11°	13.7	
	LL01XP-FL25L06-M2-T	11°	13.6	
	LL01XP-FL40L06-M2-T	26°	3.6	
	LL01XP-FL60L06-M2-T	30°	2.5	
	LL01XP-FL100L06-M2-T	63°	0.7	
	LL01XP-FL3065L06-M2-T	19°×32°	3.3	
 CREE XPG	LL01XP-FL10L06-M2-T	12°	9.9	
	LL01XP-FL25L06-M2-T	13°	8.9	
	LL01XP-FL40L06-M2-T	23°	4.0	
	LL01XP-FL60L06-M2-T	33°	2.2	
	LL01XP-FL100L06-M2-T	63°	0.7	
	LL01XP-FL3065L06-M2-T	22°×35°	2.8	

LED	Part No	FWHM	cd / lm	IES
 CREE XP-G2	LL01XP-FL10L06-M2-T	12°	11.1	
	LL01XP-FL25L06-M2-T	-	-	-
	LL01XP-FL40L06-M2-T	26°	3.5	
	LL01XP-FL60L06-M2-T	35°	2.1	
	LL01XP-FL100L06-M2-T	63°	0.7	
	LL01XP-FL3065L06-M2-T	23°×32°	2.7	
 CREE XP-G3	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	15°	7.6	
	LL01XP-FL40L06-M2-T	28°	2.4	
	LL01XP-FL60L06-M2-T	39°	1.7	
	LL01XP-FL100L06-M2-T	58°	0.8	
	LL01XP-FL3065L06-M2-T	-	-	-
 CREE XPL-HD	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	15°	7.7	
	LL01XP-FL40L06-M2-T	25°	3.3	
	LL01XP-FL60L06-M2-T	38°	1.6	
	LL01XP-FL100L06-M2-T	67°	0.6	
	LL01XP-FL3065L06-M2-T	25°×33°	2.7	
 CREE XPL-HI	LL01XP-FL10L06-M2-T	11°	11.5	
	LL01XP-FL25L06-M2-T	14°	9.1	
	LL01XP-FL40L06-M2-T	26°	3.2	
	LL01XP-FL60L06-M2-T	38°	1.8	
	LL01XP-FL100L06-M2-T	62°	0.7	
	LL01XP-FL3065L06-M2-T	-	-	-
 CREE XQD	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	15°	6.3	
	LL01ZZ-FL40L06	25°	3.4	
	LL01ZZ-FL60L06	30°	2.3	
	LL01ZZ-FL100L06	61°	0.7	
	LL01ZZ-FL3065L06	22°×34°	2.5	
 CREE XQE-HD	LL01ZZ-FL10L06	8°	12.6	
	LL01ZZ-FL25L06	-	-	-
	LL01ZZ-FL40L06	24°	3.9	
	LL01ZZ-FL60L06	33°	2.1	
	LL01ZZ-FL100L06	64°	0.7	
	LL01ZZ-FL3065L06	-	-	-
 CREE XQE-HI	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	12°	12.8	
	LL01ZZ-FL40L06	27°	3.3	
	LL01ZZ-FL60L06	-	-	-
	LL01ZZ-FL100L06	54°	0.9	
	LL01ZZ-FL3065L06	-	-	-
 CREE XT-E	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	15°	7.0	
	LL01XP-FL40L06-M2-T	26°	3.3	
	LL01XP-FL60L06-M2-T	35°	2.0	
	LL01XP-FL100L06-M2-T	51°	1.0	
	LL01XP-FL3065L06-M2-T	23°×34°	2.5	

LED	Part No	FWHM	cd / lm	IES
 EDISON 11A5	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	15°	7.5	
	LL01ZZ-FL40L06	24°	3.7	
	LL01ZZ-FL60L06	-	-	-
	LL01ZZ-FL100L06	70°	0.5	
	LL01ZZ-FL3065L06	-	-	-
 LG Innotek H35A	LL01XP-FL10L06-M2-T	12°	9.0	
	LL01XP-FL25L06-M2-T	14°	8.1	
	LL01XP-FL40L06-M2-T	24°	3.8	
	LL01XP-FL60L06-M2-T	37°	1.9	
	LL01XP-FL100L06-M2-T	-	-	-
	LL01XP-FL3065L06-M2-T	23°×34°	2.7	
 LUMILEDS LUXEON 3030 2D	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	14°	11.6	
	LL01XP-FL40L06-M2-T	26°	3.7	
	LL01XP-FL60L06-M2-T	32°	2.5	
	LL01XP-FL100L06-M2-T	-	-	-
	LL01XP-FL3065L06-M2-T	-	-	-
 LUMILEDS LUXEON 5050	LL01ZZ-FL10L06-U2	-	-	-
	LL01ZZ-FL25L06-U2	21°	4.3	
	LL01ZZ-FL40L06-U2	30°	2.1	
	LL01ZZ-FL60L06-U2	50°	1.1	
	LL01ZZ-FL100L06-U2	53°	0.9	
	LL01ZZ-FL3065L06-U2	-	-	-
 LUMILEDS LUXEON REBEL	LL01LU-FL10L06-M2-T	10°	11.2	
	LL01LU-FL25L06-M2-T	13°	9.0	
	LL01LU-FL40L06-M2-T	25°	3.6	
	LL01LU-FL60L06-M2-T	34°	2.0	
	LL01LU-FL100L06-M2-T	60°	0.8	
	LL01LU-FL3065L06-M2-T	24°×33°	2.6	
 LUMILEDS LUXEON REBEL ES	LL01LU-FL10L06-M2-T	13°	7.3	
	LL01LU-FL25L06-M2-T	15°	6.7	
	LL01LU-FL40L06-M2-T	26°	3.2	
	LL01LU-FL60L06-M2-T	33°	2.0	
	LL01LU-FL100L06-M2-T	63°	0.7	
	LL01LU-FL3065L06-M2-T	24°×33°	2.5	
 NICHIA NF2L757ART-ES	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	14°	8.9	
	LL01XP-FL40L06-M2-T	26°	3.0	
	LL01XP-FL60L06-M2-T	35°	2.1	
	LL01XP-FL100L06-M2-T	-	-	-
	LL01XP-FL3065L06-M2-T	-	-	-
 NICHIA NVS×19B	LL01XP-FL10L06-M2-T	12°	10.1	
	LL01XP-FL25L06-M2-T	15°	8.8	
	LL01XP-FL40L06-M2-T	26°	3.2	
	LL01XP-FL60L06-M2-T	36°	1.9	
	LL01XP-FL100L06-M2-T	56°	0.9	
	LL01XP-FL3065L06-M2-T	21°×35°	3.2	

LED	Part No	FWHM	cd / lm	IES
 NICHIA NVSW219C	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	15°	8.6	↓
	LL01XP-FL40L06-M2-T	27°	3.1	↓
	LL01XP-FL60L06-M2-T	39°	1.6	↓
	LL01XP-FL100L06-M2-T	66°	0.6	↓
	LL01XP-FL3065L06-M2-T	-	-	-
 OSRAM DURIS S5	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	14°	9.0	↓
	LL01XP-FL40L06-M2-T	27°	3.1	↓
	LL01XP-FL60L06-M2-T	34°	2.2	↓
	LL01XP-FL100L06-M2-T	54°	1.0	↓
	LL01XP-FL3065L06-M2-T	-	-	-
 OSRAM DURIS S8	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	20°	4.9	↓
	LL01ZZ-FL40L06	29°	2.3	↓
	LL01ZZ-FL60L06	45°	1.2	↓
	LL01ZZ-FL100L06	53°	0.9	↓
	LL01ZZ-FL3065L06	-	-	-
 OSRAM OSLOM SSL80	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	14°	6.9	↓
	LL01XP-FL40L06-M2-T	25°	3.4	↓
	LL01XP-FL60L06-M2-T	34°	1.7	↓
	LL01XP-FL100L06-M2-T	58°	0.8	↓
	LL01XP-FL3065L06-M2-T	-	-	-
 <i>ProLight</i> Phenix 3535	LL01XP-FL10L06-M2-T	11°	10.8	↓
	LL01XP-FL25L06-M2-T	15°	8.2	↓
	LL01XP-FL40L06-M2-T	25°	3.9	↓
	LL01XP-FL60L06-M2-T	38°	1.7	↓
	LL01XP-FL100L06-M2-T	-	-	-
	LL01XP-FL3065L06-M2-T	17°x35°	3.9	↓
 SAMSUNG LH3518	LL01XP-FL10L06-M2-T	14°	7.9	↓
	LL01XP-FL25L06-M2-T	14°	9.3	↓
	LL01XP-FL40L06-M2-T	25°	3.3	↓
	LL01XP-FL60L06-M2-T	39°	1.7	↓
	LL01XP-FL100L06-M2-T	64°	0.7	↓
	LL01XP-FL3065L06-M2-T	-	-	-

Product Nomenclature

Ledlink Led Type Lens Angle Holder

LL 01 XP -FL 10 L06 -M2 -T

Lens Dot Number Serial Number Type of Material Tape

Ledlink Optics, Inc

Taiwan HQ

15F, No.655, Bannan Rd., Chung-Ho Dist.,
New Taipei City, Taiwan 235

Ledlink Optics (Dongguan) Co., Ltd

Dongguan Factory

No.5, TianKeng Industrial Dist., HengLi Town, DongGuan City,
GuangDong Province, China 523478

Ledlink Optics (Yangzhou) Co., Ltd

Yangzhou Factory

No.180, LinJiang Rd., YangZhou City, Jiangsu Province, China 225009

www.ledlink-optics.com

service@ledlink-optics.com

