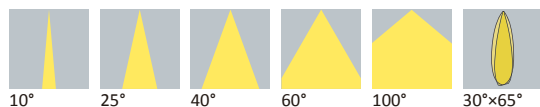


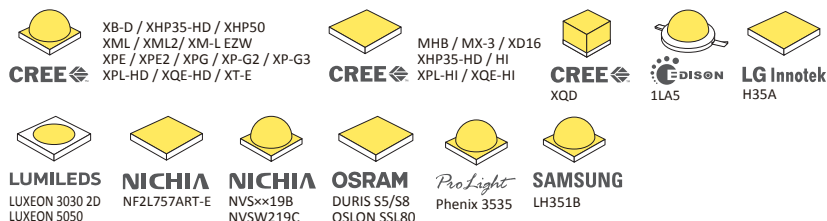
Datasheet

FL Series

Available Distribution



LED



Recommend Applications



General Information



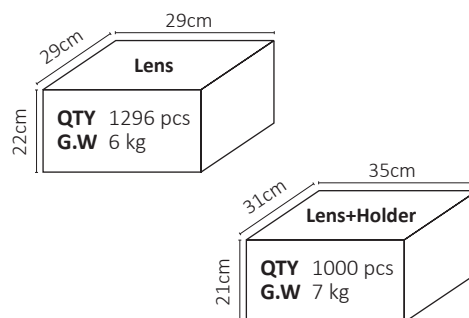
- Lens Material PMMA 8N
- Operating Temperature -40°C~+70°C
- UL Flammability HB @ 1.5mm
- UL RTI Elec 90°C @ 1.5mm
- Light Transmission Rate 400nm~900nm > 90%
- ☑ If necessary, Clean lenses with mild soap, water and soft cloth.
- ⚠ Never use any commercial cleaning solvents on lenses, like alcohol.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

Dimensions

Part Number	Diameter	Height
LL01ZZ-FL××L06	Ø22	10.6
LL01XP-FL××L06-M×-T	Ø24.3	11.6
LL01CR-FL××L06-M×	Ø24.3	12.15
LL01CR-DA××L06-M×	Ø24.3	12.3
LL01ZZ-FL××L06-U×	24×24 (L×W)	11.5

* All dimensions are in millimeters.

Packaging Details (SPQ)



Accessories



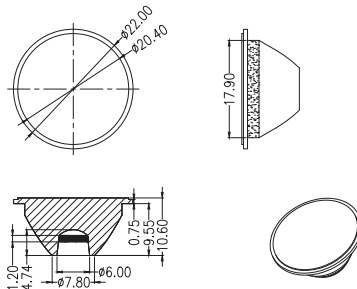
- 4 Different Types of Holder
LL01CRCM25H×
LL01CRCO25H×
LL01CRRM10H×
LL01CRDA25H×
- Available with Tape
LL01A00XGUX

Mechanical Specification

*All dimensions are in millimeters.

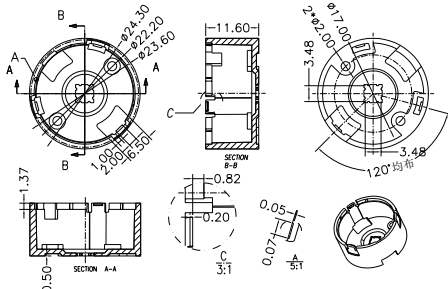
Lens Dimension

LL01ZZ-FL×L06



Holder Dimension

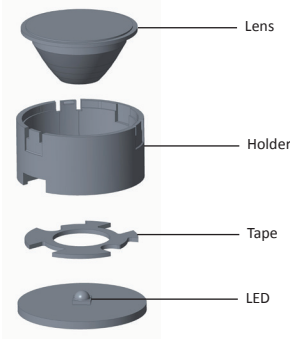
LL01CRM25H×



Assembly Instruction

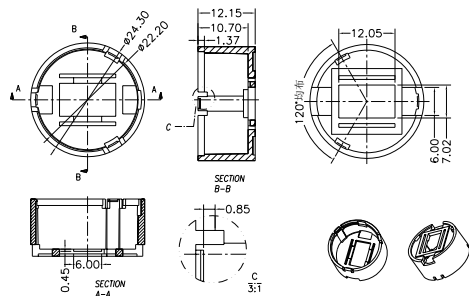
Part No LL01XP-FL×L06-M×-T
Holder LL01CRM25H×
Tape LL01A00XGUX

Fixing Method



Holder Dimension

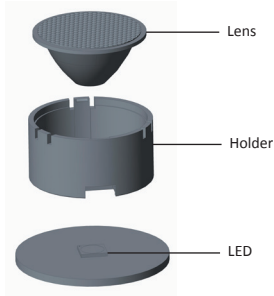
LL01CRCO25H×



Assembly Instruction

Part No LL01CR-FL×L06-M×
Holder LL01CRCO25H×

Fixing Method



*All dimensions are in millimeters.



Luminarie Accessories



Luminarie
Accessories



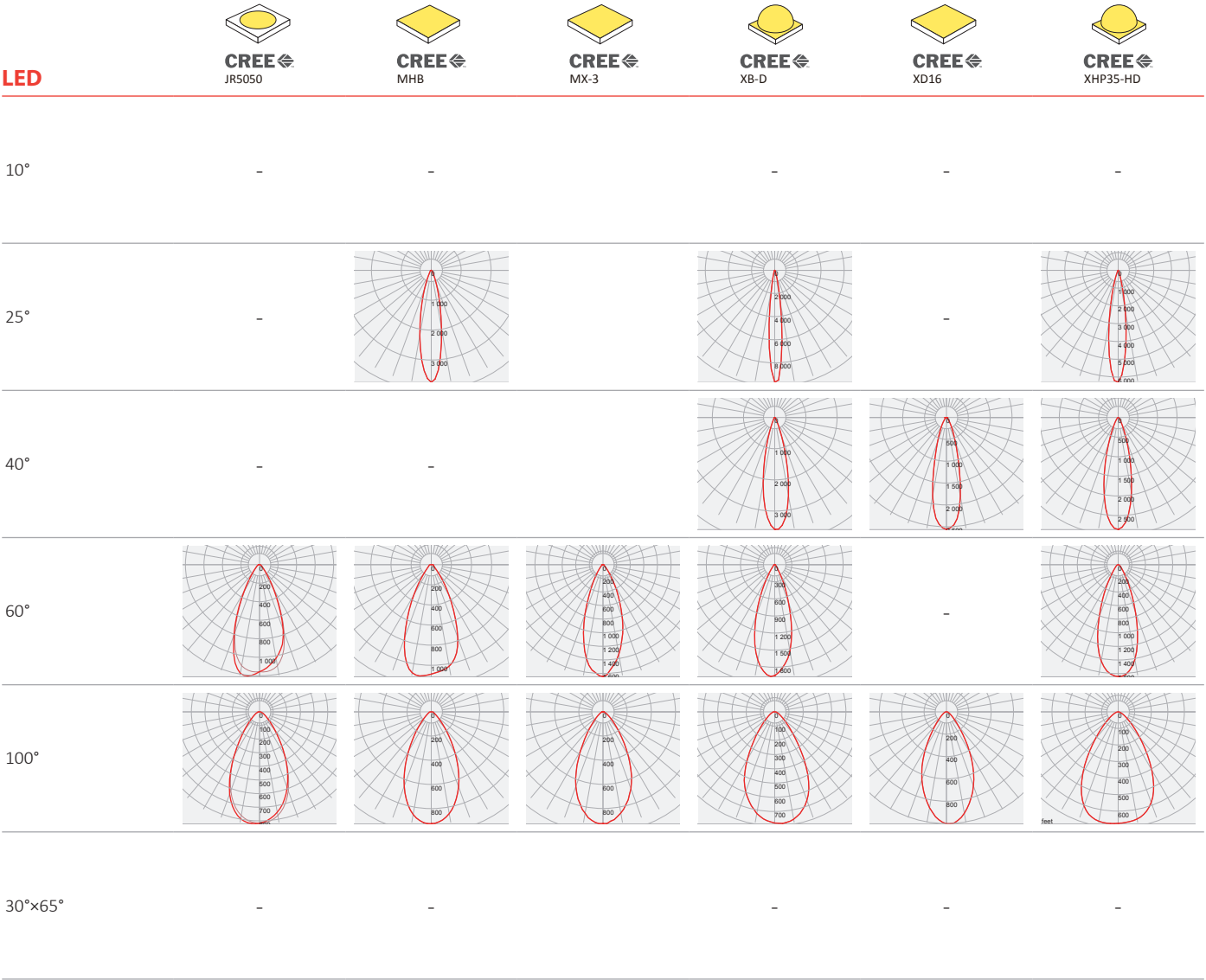
Luminarie Accessories



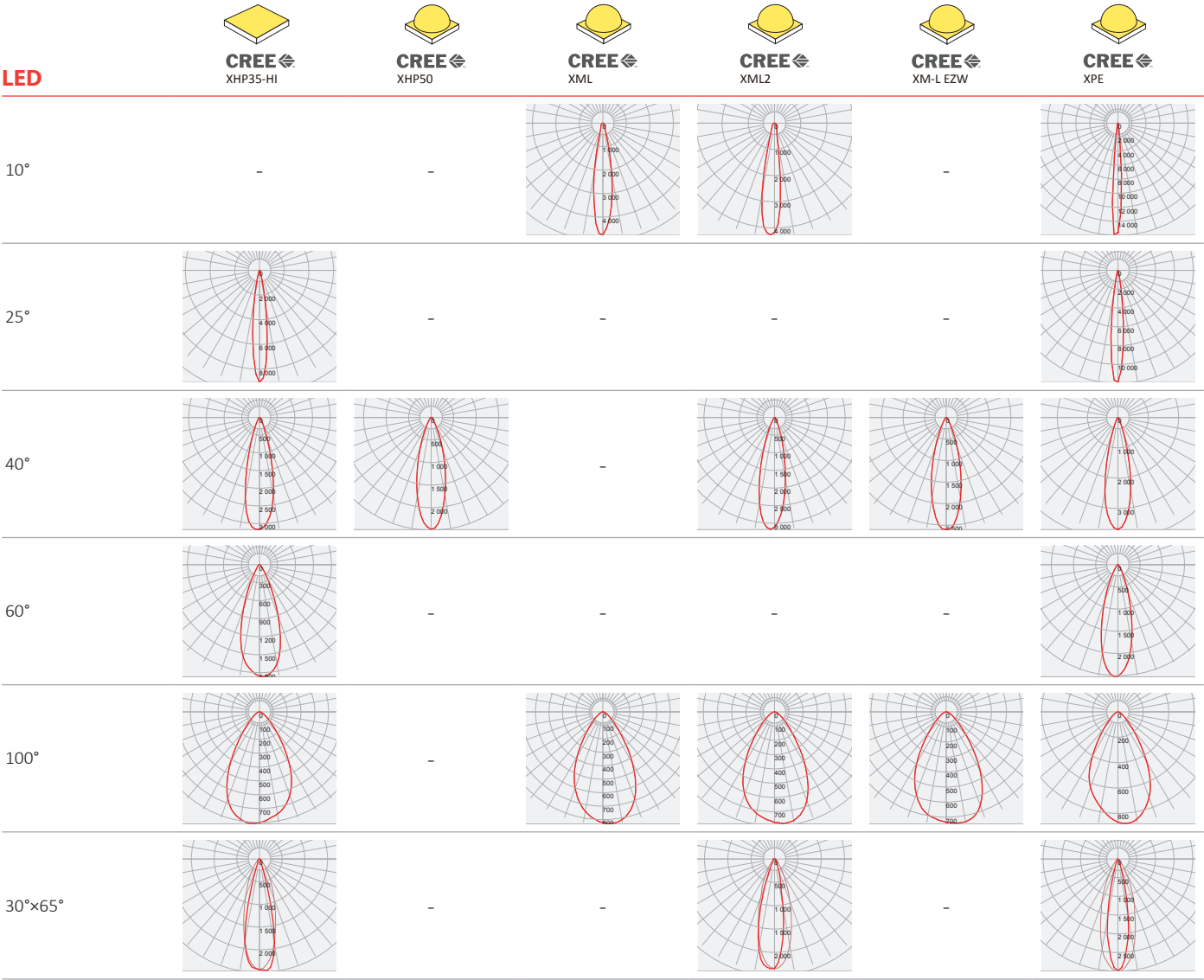
Luminarie
Accessories



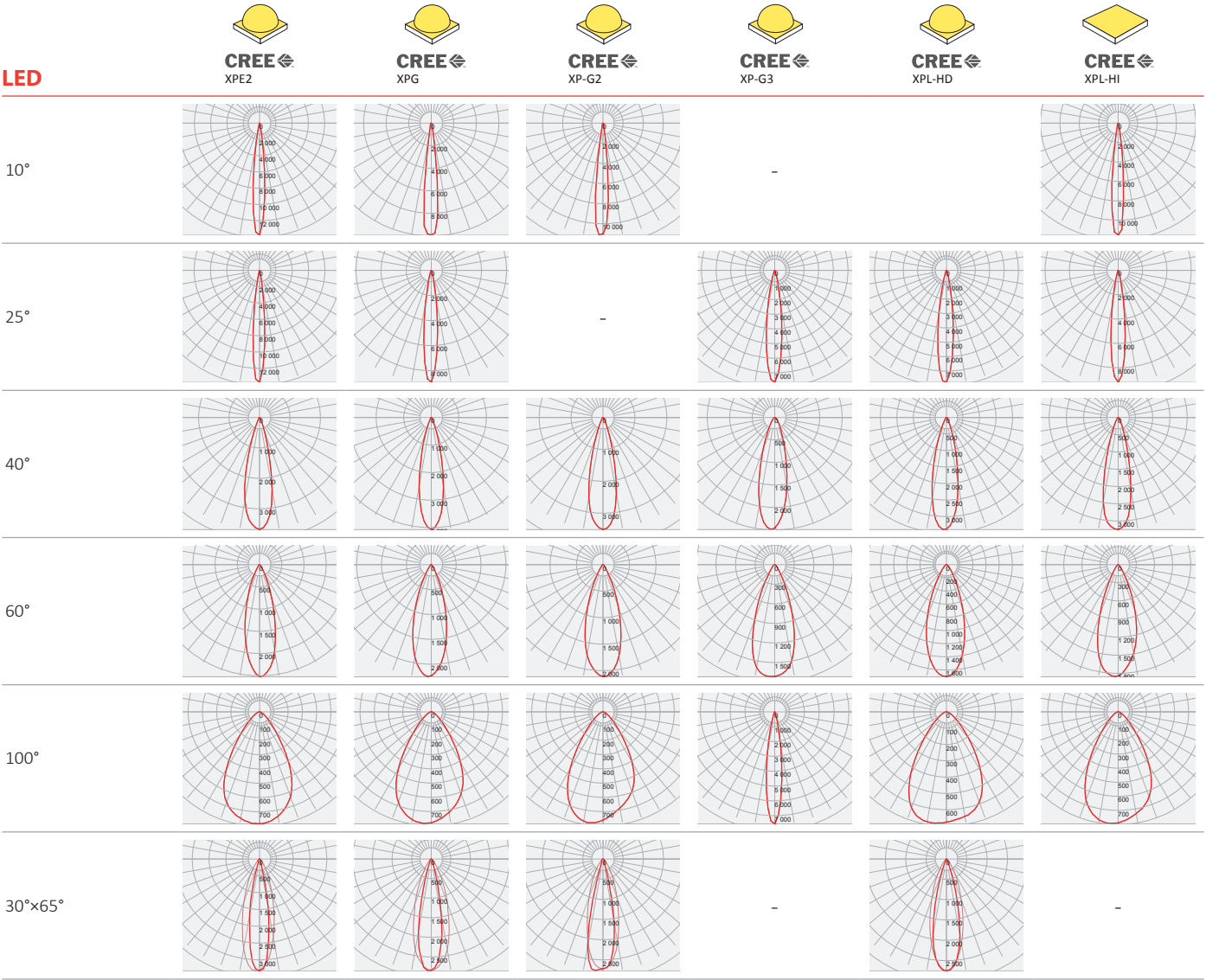
Photometric Distribution



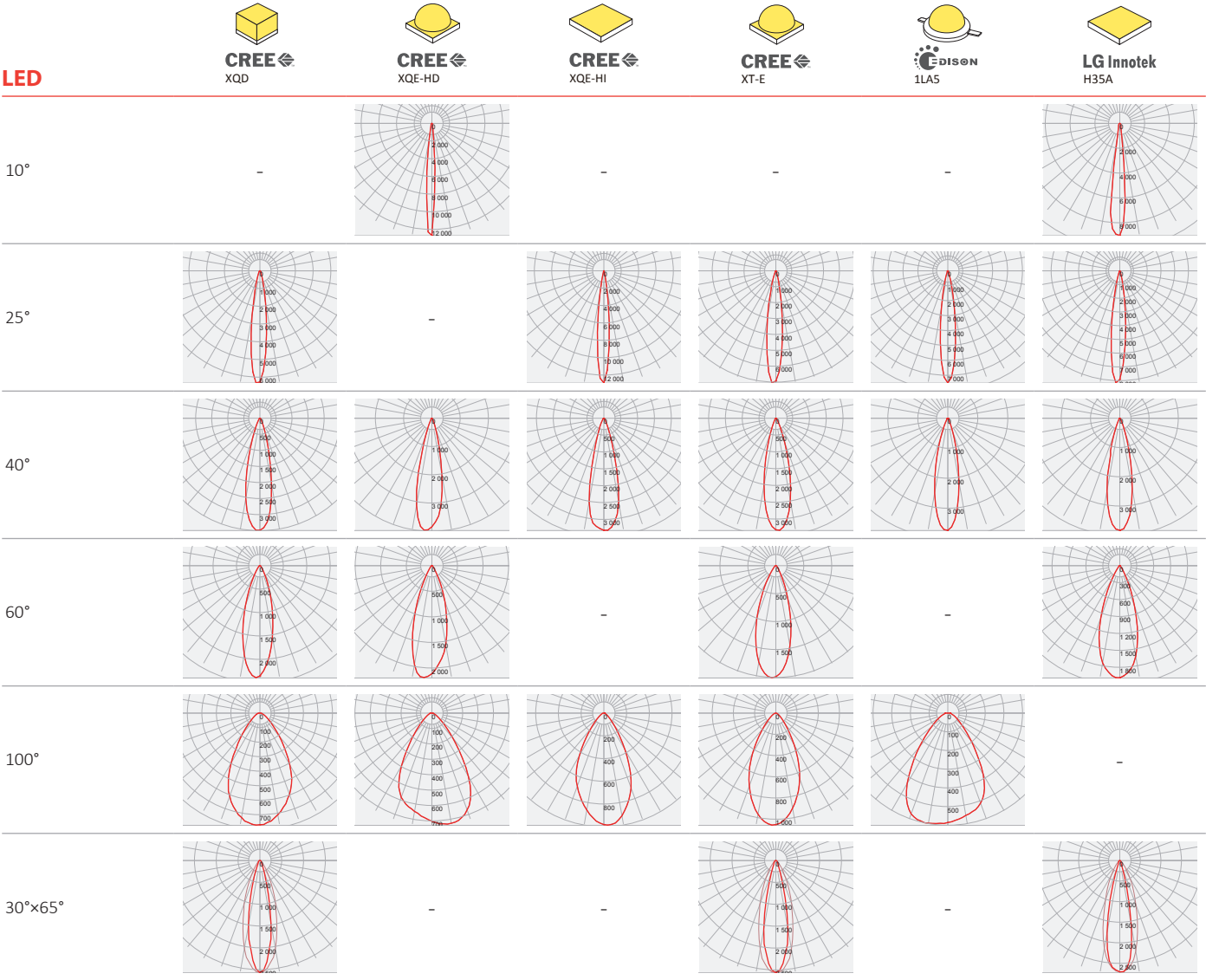
Photometric Distribution



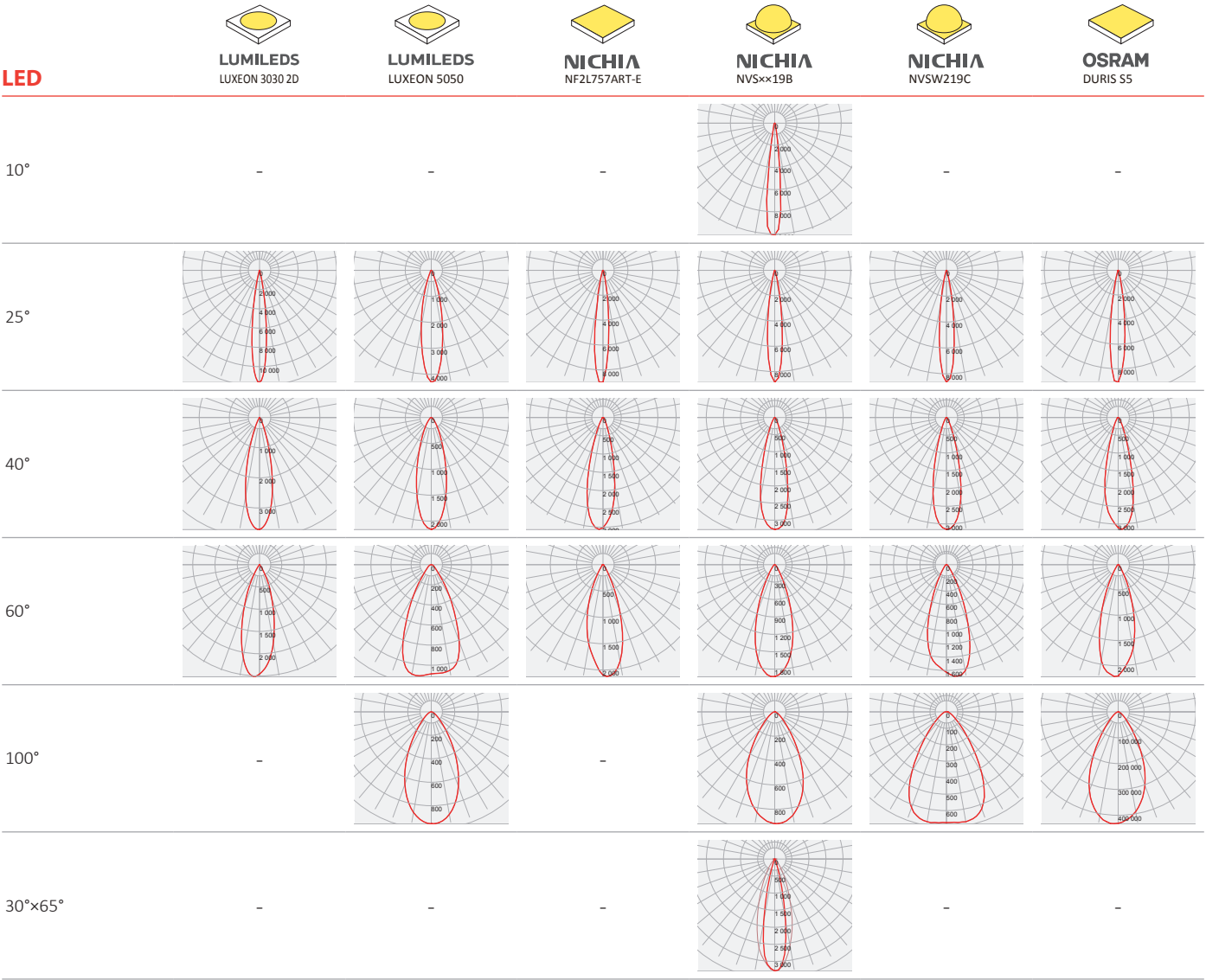
Photometric Distribution



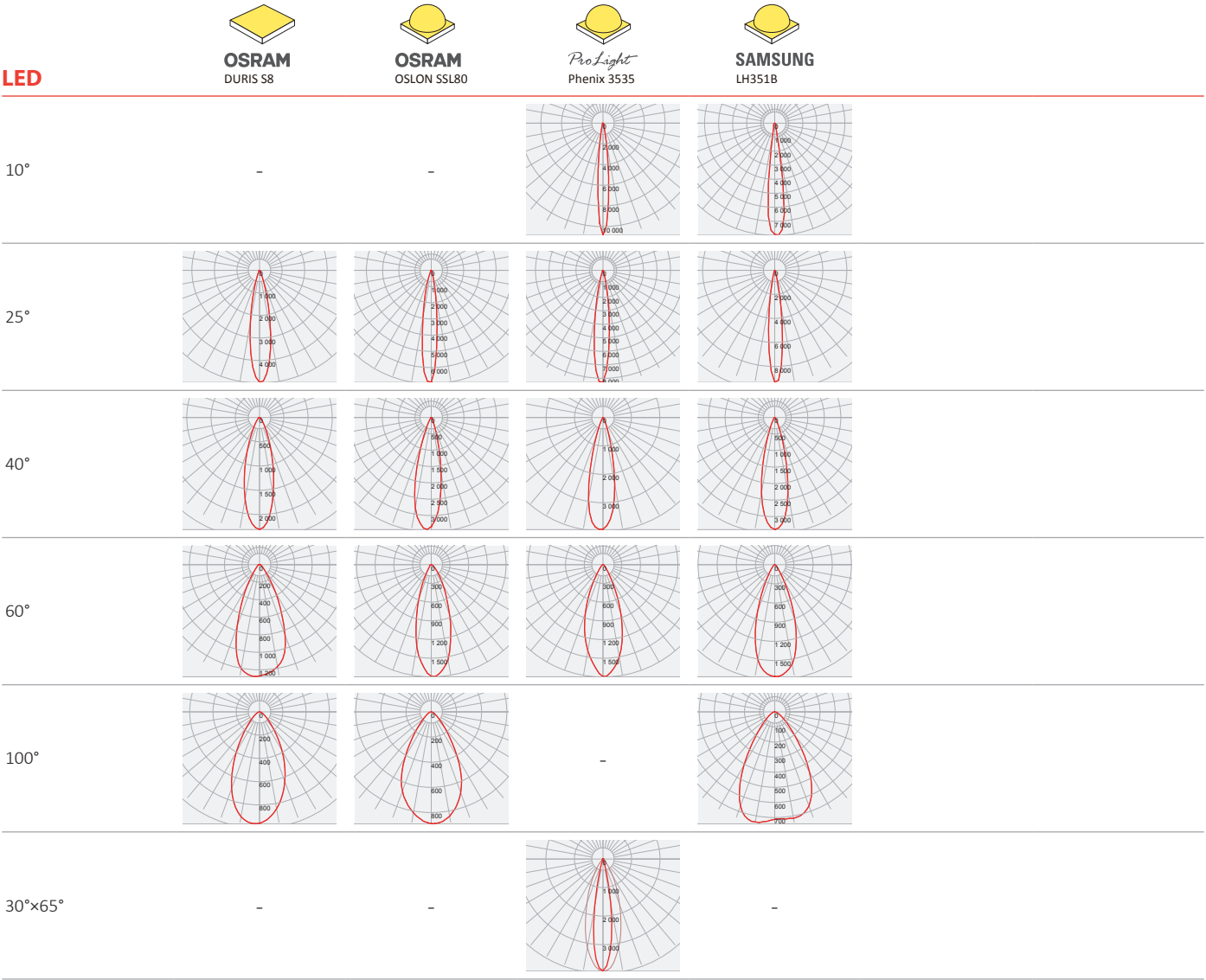
Photometric Distribution



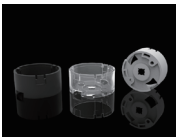
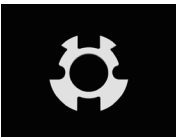
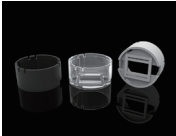
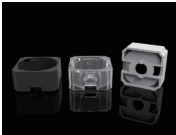
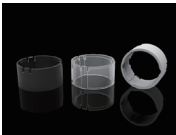
Photometric Distribution



Photometric Distribution



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 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  ProLight Phenix 3535  SAMSUNG LH351B
LL01CR-FL××L06-M×	 LL01CRCO25H×	-	5050	 CREE JR5050
LL01ZZ-FL××L06-U×	 LL01CRRM10H×	-	5050	 CREE XHP50  CREE XML  CREE XML2  CREE XM-L EZW  LUMILEDS LUXEON 5050
LL01CR-DA××L06-M×	 LL01CRDA25H×	-	5050	 CREE JR5050

LED	Part No	FWHM	cd / lm	IES
 CREE JR5050	LL01CR-DA10L06-M2	-	-	-
	LL01CR-DA25L06-M2	-	-	-
	LL01CR-DA40L06-M2	-	-	-
	LL01CR-DA60L06-M2	47°	1.2	↓
	LL01CR-DA100L06-M2	57°	0.8	↓
	LL01CR-DA3065L06-M2	-	-	-
	LL01CR-FL10L06-M2	-	-	-
	LL01CR-FL25L06-M2	-	-	-
	LL01CR-FL40L06-M2	-	-	-
	LL01CR-FL60L06-M2	47°	1.2	↓
	LL01CR-FL100L06-M2	57°	0.8	↓
	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-FL10L06	-	-	-
	LL01ZZ-FL25L06	-	-	-
	LL01ZZ-FL40L06	-	-	-
	LL01ZZ-FL60L06	39°	1.6	↓
	LL01ZZ-FL100L06	55°	0.9	↓
 CREE XB-D	LL01ZZ-FL3065L06	-	-	-
	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	13°	9.6	↓
	LL01ZZ-FL40L06	25°	3.5	↓
	LL01ZZ-FL60L06	36°	1.9	↓
 CREE XD16	LL01ZZ-FL100L06	61°	0.7	↓
	LL01ZZ-FL3065L06	-	-	-
	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	-	-	-
	LL01ZZ-FL40L06	27°	2.5	↓
 CREE XHP35-HD	LL01ZZ-FL60L06	-	-	-
	LL01ZZ-FL100L06	52°	1.0	↓
	LL01ZZ-FL3065L06	-	-	-
	LL01XP-FL10L06-M2-T	-	-	-
	LL01XP-FL25L06-M2-T	17°	6.2	↓
 CREE XHP35-HI	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	-	-	-
	LL01XP-FL10L06-M2-T	-	-	-
 CREE XHP35-HI	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	↓

LED	Part No	FWHM	cd / lm	IES
 CREE XHP50	LL01ZZ-FL10L06-U2	-	-	-
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	29°	2.4	↓
	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	-	-	-
 CREE XML	LL01ZZ-FL3065L06-U2	-	-	-
	LL01ZZ-FL10L06-U2	18°	4.7	↓
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	-	-	-
	LL01ZZ-FL60L06-U2	-	-	-
 CREE XML2	LL01ZZ-FL100L06-U2	59°	0.8	↓
	LL01ZZ-FL3065L06-U2	-	-	-
	LL01ZZ-FL10L06-U2	17°	4.2	↓
	LL01ZZ-FL25L06-U2	-	-	-
	LL01ZZ-FL40L06-U2	26°	3.1	↓
 CREE XML2	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	62°	0.7	↓
	LL01ZZ-FL3065L06-U2	24°×34°	2.3	↓
	LL01ZZ-FL10L06-U2	-	-	-
	LL01ZZ-FL25L06-U2	-	-	-
 CREE XML EZW	LL01ZZ-FL40L06-U2	29°	2.5	↓
	LL01ZZ-FL60L06-U2	-	-	-
	LL01ZZ-FL100L06-U2	63°	0.7	↓
	LL01ZZ-FL3065L06-U2	-	-	-
	LL01XP-FL10L06-M2-T	8°	15.9	↓
 CREE XPE	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	↓
 CREE XPG	LL01XP-FL3065L06-M2-T	19°×32°	3.3	↓
	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	↓
 CREE XP-G2	LL01XP-FL100L06-M2-T	63°	0.7	↓
	LL01XP-FL3065L06-M2-T	22°×35°	2.8	↓
	LL01XP-FL10L06-M2-T	12°	11.1	↓
	LL01XP-FL25L06-M2-T	-	-	-
	LL01XP-FL40L06-M2-T	26°	3.5	↓
 CREE XP-G2	LL01XP-FL60L06-M2-T	35°	2.1	↓
	LL01XP-FL100L06-M2-T	63°	0.7	↓
 CREE XP-G2	LL01XP-FL3065L06-M2-T	23°×32°	2.7	↓

LED	Part No	FWHM	cd / lm	IES
 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	
 DISON 1LA5	LL01ZZ-FL10L06	-	-	-
	LL01ZZ-FL25L06	15°	7.5	
	LL01ZZ-FL40L06	24°	3.7	
	LL01ZZ-FL60L06	-	-	-
	LL01ZZ-FL100L06	70°	0.5	
	LL01ZZ-FL3065L06	-	-	-

LED	Part No	FWHM	cd / lm	IES
 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	-	-	-
 NICHIA NF2L757ART-E	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 NVSx19B	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	
 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	-	-	-

LED	Part No	FWHM	cd / lm	IES
 OSRAM OSLON 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°×35°	3.9	
 SAMSUNG LH351B	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.6, Gaoxin Road, Tiankeng, 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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[LedLink Optics:](#)

[LL01ZZ-FL40L](#) [LL01ZZ-FL60L](#) [LL01CR-DA100L06-M2](#) [LL01CR-FL40L06-M2](#) [LL01ZZ-FL25L06-U2](#) [LL01ZZ-FL3065L06-U2](#) [LL01XP-FL3065L06-M2-T](#) [LL01ZZ-FL40L06](#) [LL01LU-FL40L06-M2-T](#) [LL01LU-FL60L06-M2-T](#) [LL01ZZ-FL40L06-U2](#) [LL01CR-DA25L06-M2](#) [LL01CR-FL60L06-M2](#) [LL01ZZ-FL3065L06](#) [LL01CR-FL3065L06-M2](#) [LL01ZZ-FL100L06](#) [LL01XP-FL10L06-M2-T](#) [LL01CR-DA60L06-M2](#) [LL01CR-DA3065L06-M2](#) [LL01CR-FL10L06-M2](#) [LL01ZZ-FL10L06](#) [LL01LU-FL100L06-M2-T](#) [LL01XP-FL100L06-M2-T](#) [LL01LU-FL10L06-M2-T](#) [LL01XP-FL60L06-M2-T](#) [LL01CR-FL25L06-M2](#) [LL01ZZ-FL10L06-U2](#) [LL01LU-FL25L06-M2-T](#) [LL01LU-FL3065L06-M2-T](#) [LL01XP-FL40L06-M2-T](#) [LL01ZZ-FL60L06-U2](#) [LL01XP-FL25L06-M2-T](#) [LL01ZZ-FL60L06](#) [LL01CR-DA10L06-M2](#) [LL01ZZ-FL25L06](#) [LL01CR-DA40L06-M2](#) [LL01CR-FL100L06-M2](#) [LL01ZZ-FL100L06-U2](#)