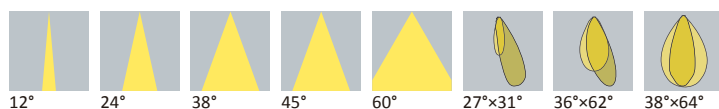




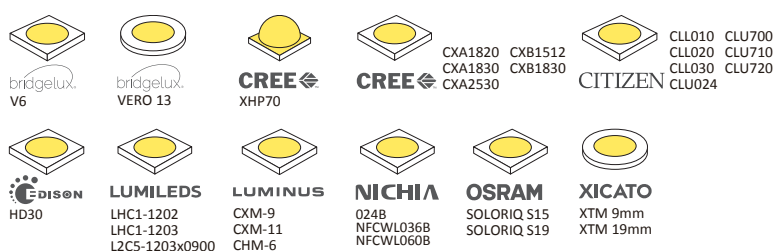
Datasheet

LL01CR-CEW××L02

Available Distribution



LED



Recommend Applications



General Information

PC 110°C -40°C	PC LEV1700KL V-2 RTI 1.5mm 130°C	400nm~900nm > 90%		
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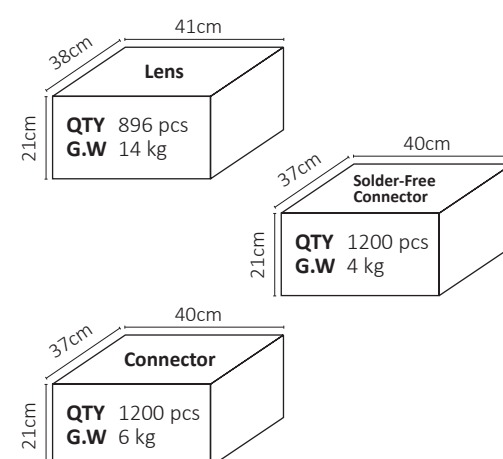
- Lens Material PC LEV1700KL / 2180T
- Operating Temperature -40°C~+110°C
- UL Flammability V-2 @1.5mm
- UL RTI Elec 130°C @1.5mm
- Light Transmission Rate 400nm~900nm > 90%
- ✓ If necessary, Clean lenses with mild soap, water and soft cloth.
- ⚠ Never use any commercial cleaning solvents on lenses, like alcohol.
- ⚠ Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.

Dimensions

Part Number	Diameter	Height
LL01CR-CEW××L02	Ø50	15

*All dimensions are in millimeters.

Packaging Details (SPQ)



Accessories



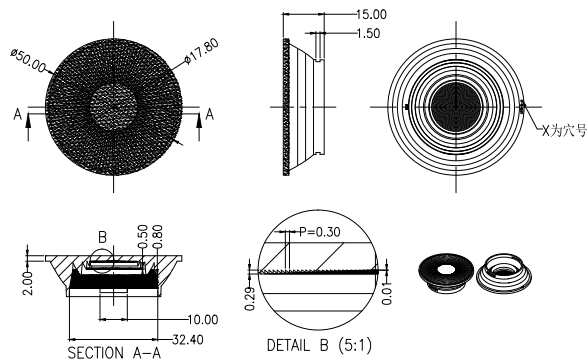
- 2 Different Types of Solder-Free Connector
LL01A00CWFB2 (Cree CXA13××)
LL01A00CWGB2 (Citizen CLU700)
- 2 Different Types of Connector
LL01A00CSNB2 (Luminus CHM-6)
LL01A00CSLB2 (Cree CXA15××/CXB1512/Lumileds LHC1 1203)

Mechanical Specification

*All dimensions are in millimeters.

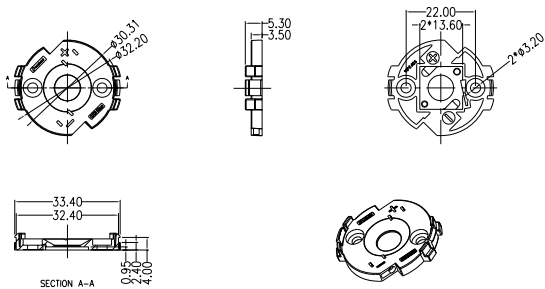
Lens Dimension

LL01CR-CEW××L02



Solder-Free Connector Dimension

LL01A00CWFB2



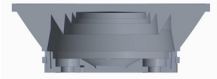
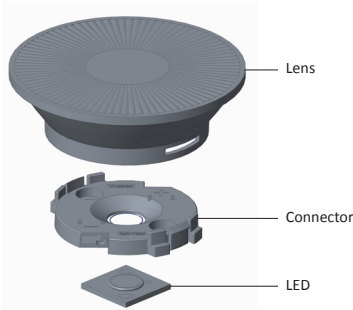
Assembly Instruction

Part No LL01CR-CEW××L02
Connector LL01A00CWFB2 (Solder-Free)
LED Cree CXA1310

Fixing Method



Luminarie Accessories



Tensile Test with Solder-Free Connector

LL01A00CWFB2

Wire Specification

Wire Diameter 0.32mm²~0.81mm²

Tensile Test

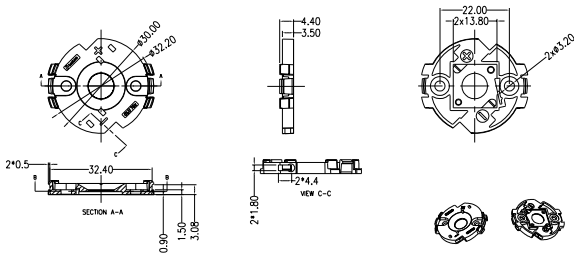
10 AWG	10 pounds
20 AWG	10 pounds
22 AWG	8 pounds

Mechanical Specification

*All dimensions are in millimeters.

Solder-Free Connector Dimension

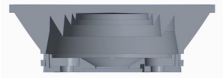
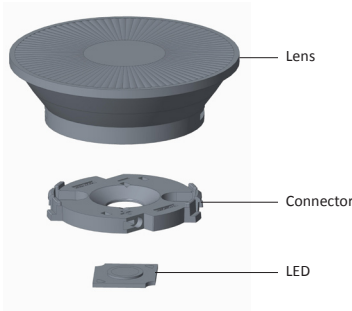
LL01A00CWGB2



Assembly Instruction

Part No LL01CR-CEWxxL02
Connector LL01A00CWGB2 (Solder-Free)
LED CITIZEN CLU700

Fixing Method



Tensile Test with Solder-Free Connector

LL01A00CWGB2

Wire Specification

Wire Diameter 0.32mm²~0.81mm²

Tensile Test

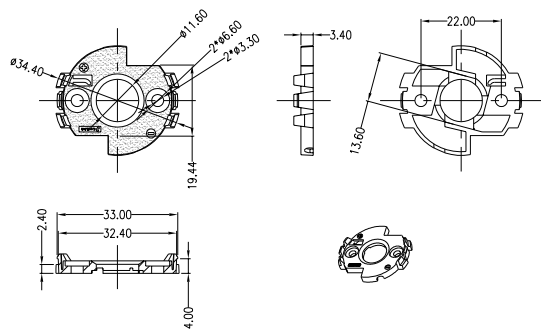
10 AWG	10 pounds
20 AWG	10 pounds
22 AWG	8 pounds

Mechanical Specification

*All dimensions are in millimeters.

Connector Dimension

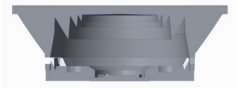
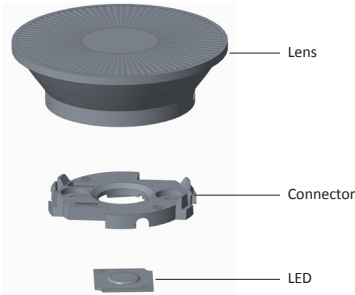
LL01A00CSNB2



Assembly Instruction

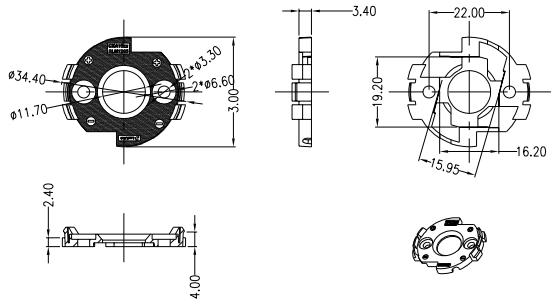
Part No LL01CR-CEWxxL02
Connector LL01A00CSNB2
LED Luminus CHM-6

Fixing Method



Connector Dimension

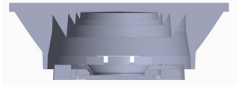
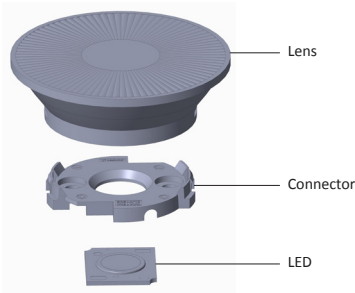
LL01A00CSLB2



Assembly Instruction

Part No LL01CR-CEWxxL02
Connector LL01A00CSLB2
LED Cree CXA1512 / CXB1512 / Lumileds LHC1 1203

Fixing Method



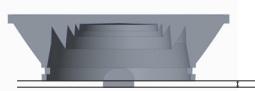
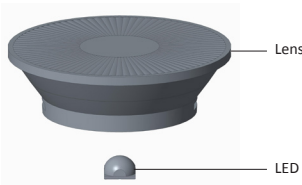
Mechanical Specification

*All dimensions are in millimeters.

Assembly Instruction

Fixing Method

Part No LL01CR-CEW××L02
LED CREE XHP70

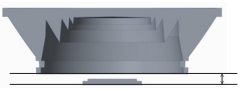
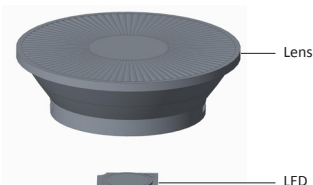


Place the bottom of the lens above heat-sink with distance 1.5 mm.

Assembly Instruction

Fixing Method

Part No LL01CR-CEW××L02
LED CITIZEN CLL010 / CLL020 / CLL030 / CLU024 / CLU710 / CLU720
CREE CXA1820 / CXA1830 / CXA2530 / CXB1830 / EDISON HD30
Lumileds LHC1 1205 / L2C5-1203x0900 / CXM-9 / CXM-11
Bridgelux V6 / NICHIA 024B / NFCWL036B / NFCWL060B
OSRAM SOLERIQ S15/ SOLERIQ S19

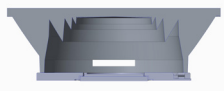
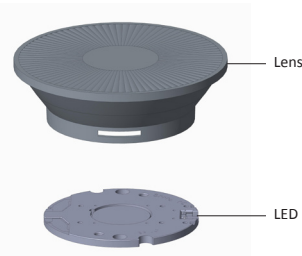


Place the bottom of the lens above heat-sink with distance 2.5 mm.

Assembly Instruction

Fixing Method

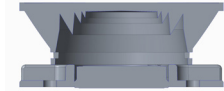
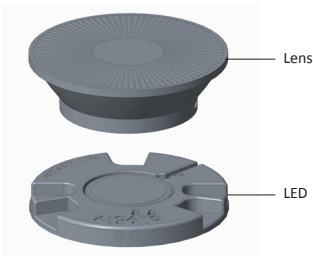
Part No LL01CR-CEW××L02
LED BRIDGELUX VERO13



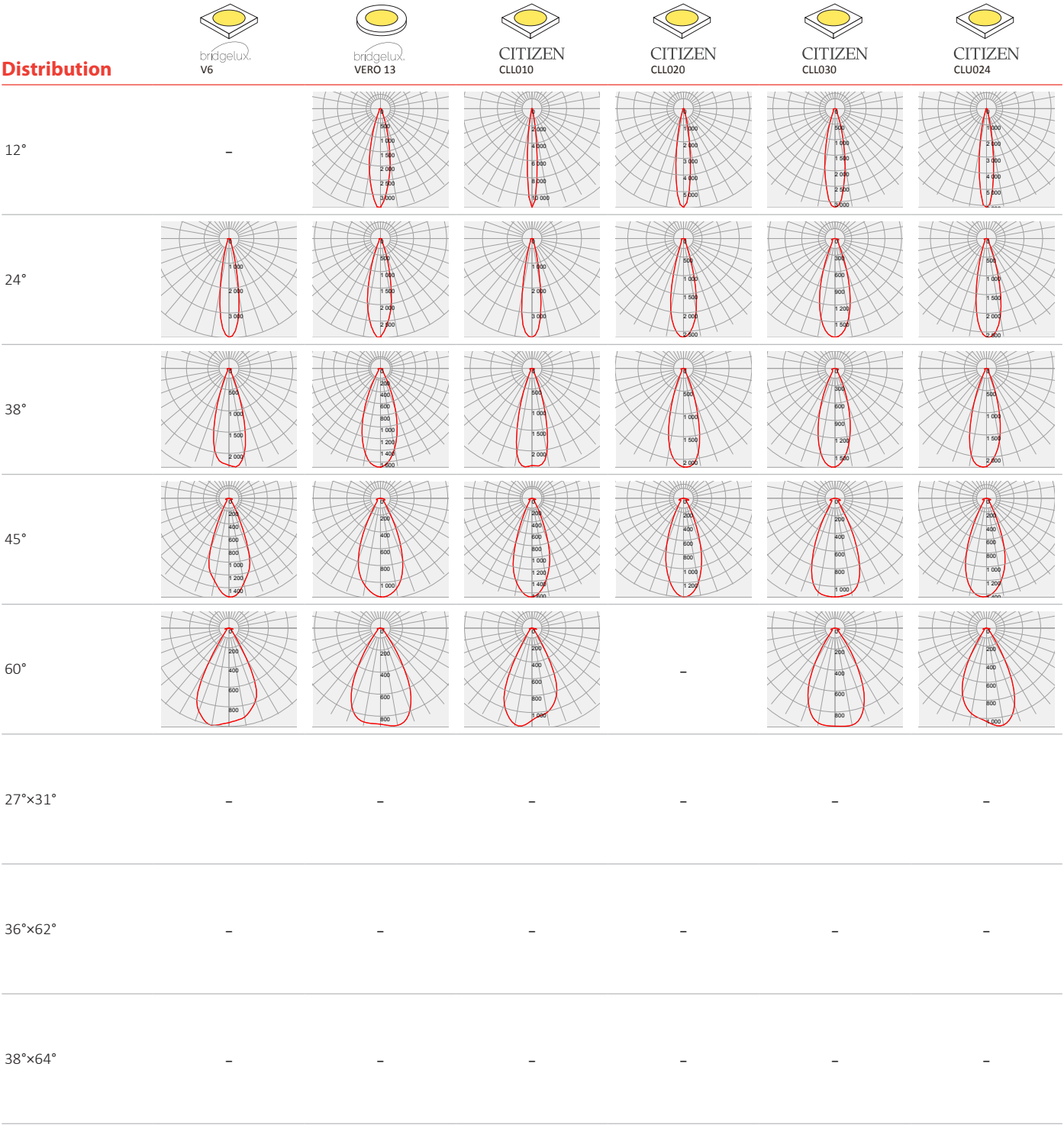
Assembly Instruction

Fixing Method

Part No LL01CR-CEW××L02
LED XICATO XTM-9mm / XTM-19mm LES



Photometric Distribution



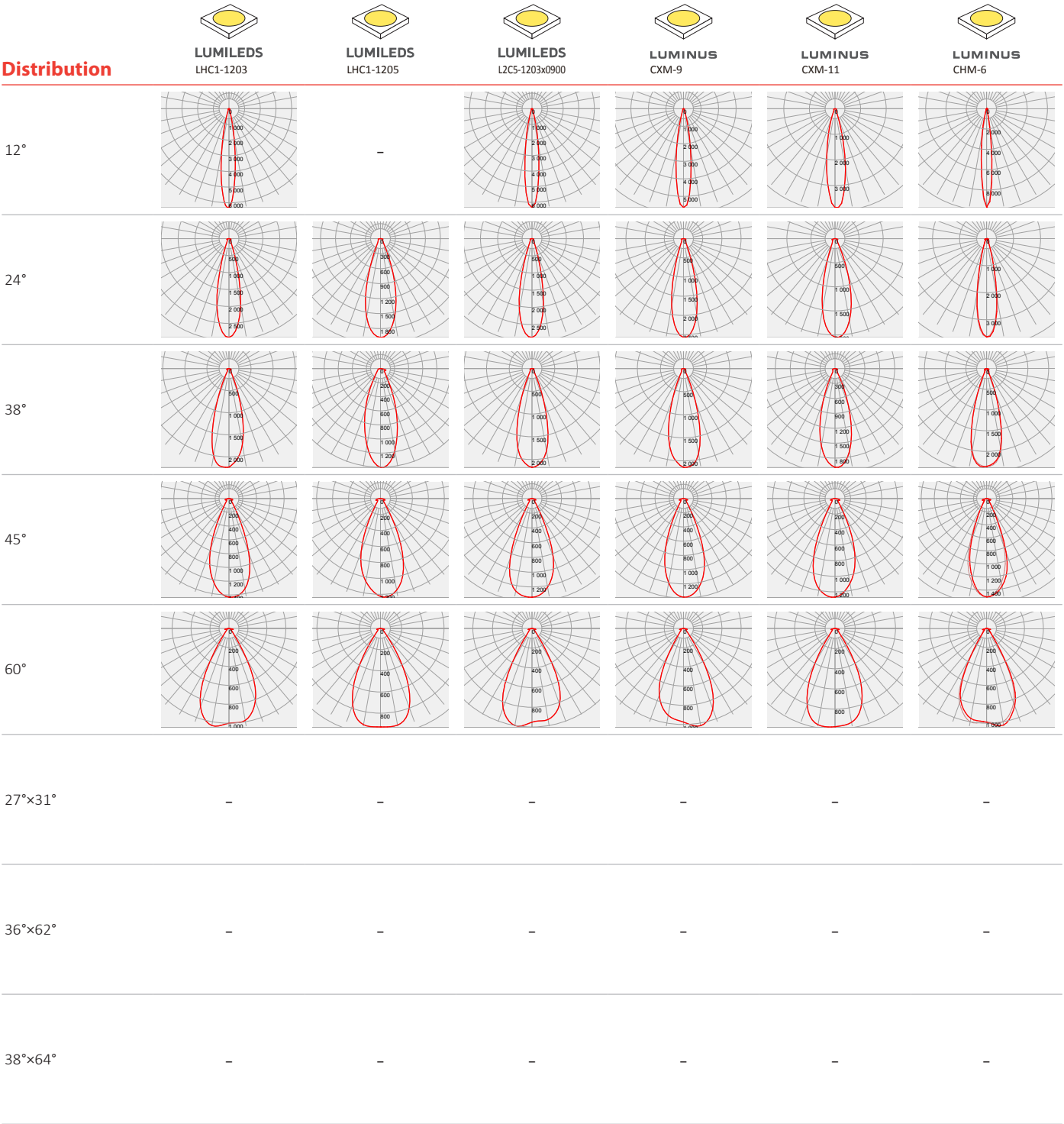
Photometric Distribution



Photometric Distribution



Photometric Distribution



Photometric Distribution



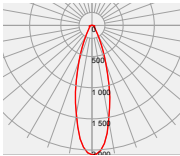
Photometric Distribution



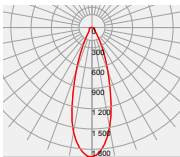
XICATO
XTM 19mm

Distribution

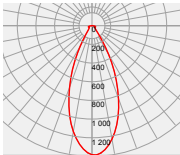
12°



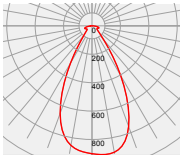
24°



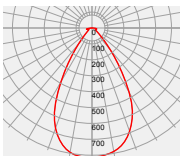
38°



45°



60°



27°×31°

—

36°×62°

—

38°×64°

—

Details by LED

Part No	Connector	LED Package Size	LED
LL01CR-CEWxxL02	-	LES Ø6~19	 bridgelux V6  bridgelux VERO 13  CITIZEN CLL010  CITIZEN CLL020  CITIZEN CLL030  CITIZEN CLU024  CITIZEN CLU710  CITIZEN CLU720  CREE CXA1820  CREE CXA1830  CREE CXA2530  CREE CXB1830  CREE XHP70  EDISON HD30  LUMILEDS LHC1-1205  LUMILEDS L2C5-1203x0900  LUMINUS CXM-9  LUMINUS CXM-11  NICHIA 024B  NICHIA NFCWL036B  NICHIA NFCWL060B  OSRAM SOLARIQ S15  OSRAM SOLARIQ S19  XICATO XTM 9mm  XICATO XTM 19mm
		LES Ø6	 CREE CXA1310
		LES Ø6	 CITIZEN CLU700
		LES Ø6.3	 LUMINUS CHM-6
		LES Ø8.9~9	 CREE CXA1512  CREE CXB1512  LUMILEDS LHC1-1203

LED	Part No	FWHM	cd/lm	IES	DIALUX
	LL01CR-CEW12L02	-	-	-	-
	LL01CR-CEW24L02	21°	3.9	↓	-
	LL01CR-CEW38L02	33°	2.3	↓	-
	LL01CR-CEW45L02	42°	1.5	↓	-
	LL01CR-CEW60L02	56°	1.0	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	24°	3.4	↓	-
	LL01CR-CEW24L02	26°	2.9	↓	-
	LL01CR-CEW38L02	38°	1.6	↓	-
	LL01CR-CEW45L02	47°	1.1	↓	-
	LL01CR-CEW60L02	59°	0.8	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	11°	11.4	↓	-
	LL01CR-CEW24L02	20°	3.9	↓	-
	LL01CR-CEW38L02	31°	2.3	↓	-
	LL01CR-CEW45L02	39°	1.6	↓	-
	LL01CR-CEW60L02	53°	1.1	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	16°	5.9	↓	-
	LL01CR-CEW24L02	27°	2.6	↓	-
	LL01CR-CEW38L02	33°	2.1	↓	-
	LL01CR-CEW45L02	39°	1.4	↓	-
	LL01CR-CEW60L02	-	-	-	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	23°	3.1	↓	-
	LL01CR-CEW24L02	33°	1.7	↓	-
	LL01CR-CEW38L02	36°	1.7	↓	-
	LL01CR-CEW45L02	48°	1.1	↓	-
	LL01CR-CEW60L02	56°	0.9	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	16°	6.1	↓	-
	LL01CR-CEW24L02	27°	2.6	↓	-
	LL01CR-CEW38L02	33°	2.2	↓	-
	LL01CR-CEW45L02	42°	1.4	↓	-
	LL01CR-CEW60L02	53°	1.0	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-

LED	Part No	FWHM	cd/lm	IES	DIALUX
	LL01CR-CEW12L02	11°	11.5	↓	-
	LL01CR-CEW24L02	22°	3.4	↓	-
	LL01CR-CEW38L02	36°	2.0	↓	-
	LL01CR-CEW45L02	42°	1.4	↓	-
	LL01CR-CEW60L02	57°	0.9	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	15°	6.5	↓	-
	LL01CR-CEW24L02	26°	2.8	↓	-
	LL01CR-CEW38L02	32°	2.2	↓	-
	LL01CR-CEW45L02	41°	1.5	↓	-
	LL01CR-CEW60L02	55°	1.0	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	19°	4.4	↓	-
	LL01CR-CEW24L02	30°	2.2	↓	-
	LL01CR-CEW38L02	33°	2.1	↓	-
	LL01CR-CEW45L02	46°	1.2	↓	-
	LL01CR-CEW60L02	56°	0.9	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	11°	12.6	↓	-
	LL01CR-CEW24L02	20°	6.2	↓	-
	LL01CR-CEW38L02	36°	2.1	↓	-
	LL01CR-CEW45L02	44°	1.3	↓	-
	LL01CR-CEW60L02	56°	1.0	↓	-
	LL01CR-CEW2731L02	32°x31°	1.8	↓	↓
	LL01CR-CEW3662L02	39°x58°	1.1	↓	↓
	LL01CR-CEW3864L02	38°x68°	1.0	↓	↓
	LL01CR-CEW12L02	14°	7.6	↓	-
	LL01CR-CEW24L02	26°	2.8	↓	-
	LL01CR-CEW38L02	34°	2.1	↓	-
	LL01CR-CEW45L02	44°	1.4	↓	-
	LL01CR-CEW60L02	57°	0.9	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	21°	3.8	↓	-
	LL01CR-CEW24L02	33°	1.9	↓	-
	LL01CR-CEW38L02	35°	1.9	↓	-
	LL01CR-CEW45L02	46°	1.2	↓	-
	LL01CR-CEW60L02	57°	0.9	↓	-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-

LED	Part No	FWHM	cd/lm	IES	DIALUX
	LL01CR-CEW12L02	23°	3.1		-
	LL01CR-CEW24L02	35°	1.7		-
	LL01CR-CEW38L02	36°	1.7		-
	LL01CR-CEW45L02	49°	1.0		-
	LL01CR-CEW60L02	58°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	15°	6.5		-
	LL01CR-CEW24L02	27°	2.7		-
	LL01CR-CEW38L02	35°	1.9		-
	LL01CR-CEW45L02	45°	1.3		-
	LL01CR-CEW60L02	58°	0.9		-
	LL01CR-CEW2731L02	48°x44°	0.9		-
	LL01CR-CEW3662L02	48°x63°	0.8		-
	LL01CR-CEW3864L02	48°x62°	0.8		-
	LL01CR-CEW12L02	26°	2.7		-
	LL01CR-CEW24L02	37°	1.5		-
	LL01CR-CEW38L02	38°	1.6		-
	LL01CR-CEW45L02	49°	1.1		-
	LL01CR-CEW60L02	57°	0.9		-
	LL01CR-CEW2731L02	68°x74°	0.5		-
	LL01CR-CEW3662L02	59°x65°	0.5		-
	LL01CR-CEW3864L02	69°x82°	0.4		-
	LL01CR-CEW12L02	31°	1.9		-
	LL01CR-CEW24L02	40°	1.2		-
	LL01CR-CEW38L02	41°	1.3		-
	LL01CR-CEW45L02	50°	0.9		-
	LL01CR-CEW60L02	57°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	-	-	-	-
	LL01CR-CEW24L02	24°	3.3		-
	LL01CR-CEW38L02	37°	1.9		-
	LL01CR-CEW45L02	44°	1.3		-
	LL01CR-CEW60L02	60°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-

LED	Part No	FWHM	cd/lm	IES	DIALUX
	LL01CR-CEW12L02	15°	6.8		-
	LL01CR-CEW24L02	26°	3.0		-
	LL01CR-CEW38L02	33°	2.2		-
	LL01CR-CEW45L02	42°	1.4		-
	LL01CR-CEW60L02	56°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	16°	6.3		-
	LL01CR-CEW24L02	26°	2.9		-
	LL01CR-CEW38L02	33°	2.2		-
	LL01CR-CEW45L02	42°	1.4		-
	LL01CR-CEW60L02	55°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	-	-	-	-
	LL01CR-CEW24L02	33°	1.9		-
	LL01CR-CEW38L02	37°	1.4		-
	LL01CR-CEW45L02	45°	1.2		-
	LL01CR-CEW60L02	57°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	16°	6.3		-
	LL01CR-CEW24L02	26°	2.8		-
	LL01CR-CEW38L02	33°	2.1		-
	LL01CR-CEW45L02	45°	1.3		-
	LL01CR-CEW60L02	56°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
	LL01CR-CEW12L02	17°	5.6		-
	LL01CR-CEW24L02	28°	2.5		-
	LL01CR-CEW38L02	33°	2.1		-
	LL01CR-CEW45L02	42°	1.3		-
	LL01CR-CEW60L02	55°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-

LED	Part No	FWHM	cd/lm	IES	DIALUX
 LUMINUS CXM-11	LL01CR-CEW12L02	21°	3.8		-
	LL01CR-CEW24L02	31°	2.0		-
	LL01CR-CEW38L02	34°	1.9		-
	LL01CR-CEW45L02	44°	1.2		-
	LL01CR-CEW60L02	56°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 LUMINUS CHM-6	LL01CR-CEW12L02	12°	9.6		-
	LL01CR-CEW24L02	22°	3.6		-
	LL01CR-CEW38L02	31°	2.3		-
	LL01CR-CEW45L02	40°	1.5		-
	LL01CR-CEW60L02	54°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 NICHIA 024B	LL01CR-CEW12L02	12°	9.9		-
	LL01CR-CEW24L02	23°	3.4		-
	LL01CR-CEW38L02	34°	2.1		-
	LL01CR-CEW45L02	41°	1.5		-
	LL01CR-CEW60L02	55°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 NICHIA NFCWL036B	LL01CR-CEW12L02	15°	6.8		-
	LL01CR-CEW24L02	25°	2.8		-
	LL01CR-CEW38L02	33°	2.1		-
	LL01CR-CEW45L02	43°	1.4		-
	LL01CR-CEW60L02	56°	1.0		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 NICHIA NFCWL060B	LL01CR-CEW12L02	20°	4.1		-
	LL01CR-CEW24L02	30°	2.0		-
	LL01CR-CEW38L02	33°	2.0		-
	LL01CR-CEW45L02	44°	1.3		-
	LL01CR-CEW60L02	56°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-

LED	Part No	FWHM	cd/lm	IES	DIALUX
 OSRAM SOLARIQ S15	LL01CR-CEW12L02	24°	3.1		-
	LL01CR-CEW24L02	33°	1.9		-
	LL01CR-CEW38L02	35°	1.8		-
	LL01CR-CEW45L02	48°	1.1		-
	LL01CR-CEW60L02	58°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 OSRAM SOLARIQ S19	LL01CR-CEW12L02	29°	2.2		-
	LL01CR-CEW24L02	38°	1.4		-
	LL01CR-CEW38L02	39°	1.5		-
	LL01CR-CEW45L02	49°	1.0		-
	LL01CR-CEW60L02	57°	0.9		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 XICATO XTM 9mm	LL01CR-CEW12L02	15°	6.7		-
	LL01CR-CEW24L02	29°	2.5		-
	LL01CR-CEW38L02	39°	1.8		-
	LL01CR-CEW45L02	44°	1.3		-
	LL01CR-CEW60L02	60°	0.8		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-
 XICATO XTM 19mm	LL01CR-CEW12L02	30°	2.0		-
	LL01CR-CEW24L02	33°	1.9		-
	LL01CR-CEW38L02	43°	1.3		-
	LL01CR-CEW45L02	54°	0.9		-
	LL01CR-CEW60L02	61°	0.8		-
	LL01CR-CEW2731L02	-	-	-	-
	LL01CR-CEW3662L02	-	-	-	-
	LL01CR-CEW3864L02	-	-	-	-

Product Nomenclature

Ledlink Led Type Lens Angle
LL 01 CR- CEW 12 L02
Lens Dot Number Serial Number Type of Material

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

