



2017

ver 16.10

Ledlink Secondary Optical Lens

Lighting the Real World





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About Ledlink

HQ: Taipei / Taiwan



Factory: Dongguan



Factory: Yangzhou



Ledlink Optics, Inc. was founded in April 2008, specializing in optical, structure and precise manufacturing from a professional background.

We've successfully developed all kinds of optical lenses with variety of angles, beam patterns and blend lights.

Our mission is to assist customers achieve the full and complete use of LED light source applications, and reaching the highest performance as well as changing the beam patterns and angles in order to adapt to different requirements of applications.

Ledlink Optics, Inc. provides the total solutions of secondary optics to enhance the lighting value of LED, and leading our customers on the cutting edge of lighting industry.

▶ ISO 14001



▶ ISO 9001



▶ UL Certification



▶ TS16949



▶ Fast500 Asia Pacific 2011

Deloitte
Technology Fast500

2008

- Ledlink established in Taipei
- Dongguan factory established

2009

- ISO 9001/14001 Certification
- Dongguan second factory

2010

- UL Certification

2011

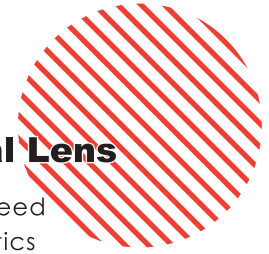
- Third factory expansion in Dongguan
- Yangzhou Ledlink expansion
- Listed in Emerging market
- TS16949 Certification
- Awarded the 16th place of Deloitte Technology Fast500 Asia Pacific 2011

2012

- IPO in OTC Taiwan

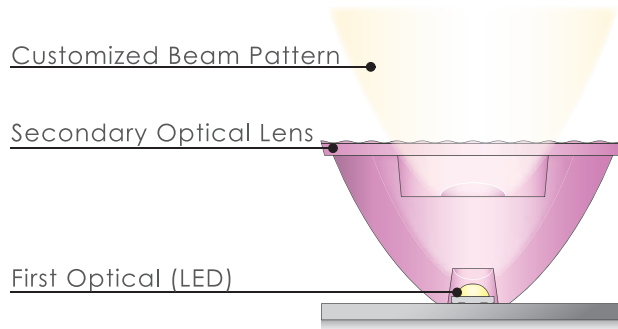
2013

- Yangzhou factory mass production



Secondary Optical Lens

Generally speaking, LED need to proceed secondary optics design prior to become lamp fixture, LED package is first optics design and secondary optics design is that we change the optical character from the light of first optics through secondary optical change.



Name	Symbol	Unit	Description
Luminous Flux	Φ	Lm(Lumen)	Light source shot in total amount per second

Illuminance means in one lighted area, the density of the luminous flux on a surface, per unit area.(Illuminance is inverse ratio to the square of distance from one illuminant. And it expresses the brightness of one place.)

Illuminance E lm/m²(Lux)

$$\text{Illuminance}(E) = \frac{\text{Luminous Flux}(\Phi)}{\text{Area}(A)}$$

Luminous Intensity	I	Cd(Candela)	The Luminous Flux in certain direction of light source of solid angle(Ω)
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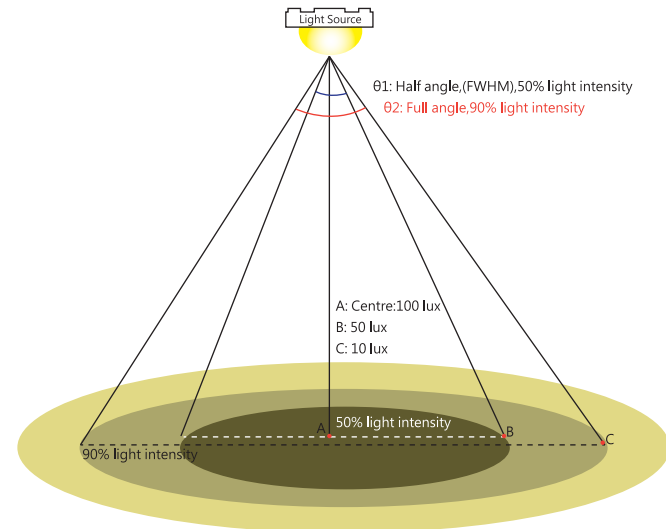
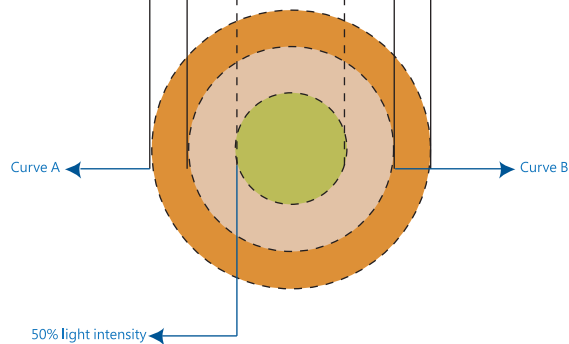
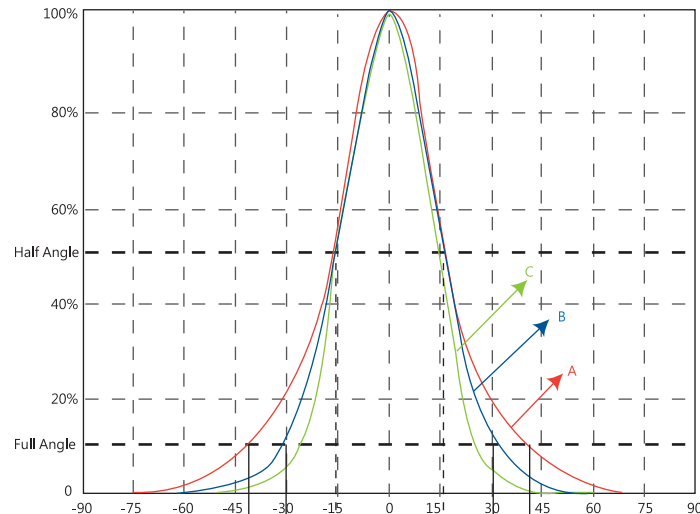
$$\text{Luminous Intensity}(I) = \frac{\text{Luminous Flux}(\Phi)}{\text{Solid angle}(\Omega)}$$

Luminance means the luminous intensity(I) per unit of one illuminated area which light radiates or passes through in a given direction.

Luminance L cd/m²

$$\text{Luminance}(L) = \frac{\text{Luminous Intensity}(I)}{\text{Area}(A)}$$

Definition of Beam Angle



Half angle: 50% light intensity (FWHM)

Full angle: 10% light intensity

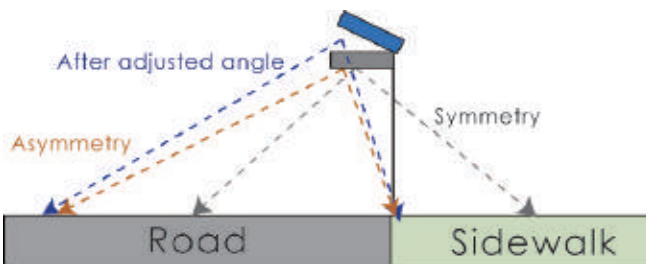
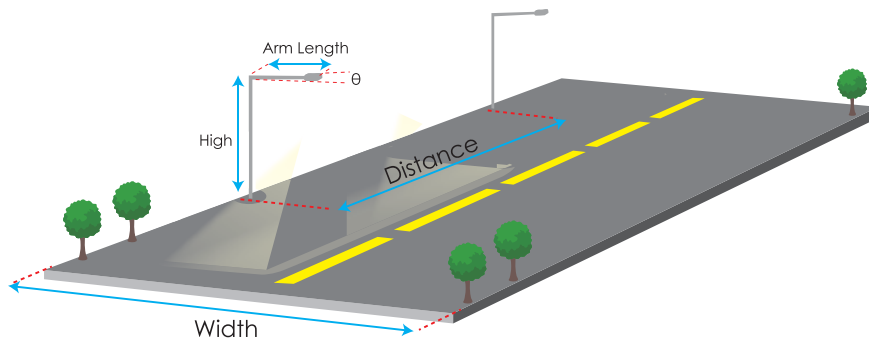
For Curve A, B, and C → half angle 30°

Full angle : Curve A = 80°

Curve B = 60°

Curve C = 50°

Full angle definition is more accurate as it allows the luminaries designer to arrange/ develop their LED lamp.



About Street Lighting

The asymmetry street lighting lens designed by Ledlink Optics Inc. is aiming to focus light and make the asymmetric beam pattern. Because of the lens, light can be focused and used upon customer's demand. The optics lens reduce spill light from arcade and redirect light to the street resulting in increased several times of luminance intensity and illumination brightness. Thus, a secondary optical lens is a way to save energy cost and LED requested amount, as well as it can maximize LED performance.

LED requirements:

- LED brand/ type
- MCPCB layout (arrangement)
- MCPCB 2D drawing; LED position is critical

Mechanical requirements:

- Dimension limitations:
- Mounting method: Screw/ Thermal mount/ Glue
- Waterproof: Rubber ring height/ Silicon

Installation conditions:

- Pole Arrangement
- Pole Height (H)
- Pole Distance (D)
- Pole tilt angle (θ)
- Pole arm length (L)
- Road Width: (W)
- Optical requirements

Optical requirements:

- Uniformity
- Min lux
- Avg lux
- $Cd / m^2(U_o / U_l / T_l)$
- Type1~Type5



Product Nomenclature

L L 01 CR - AO x x L - M x

X1	X2	X3	X4	X5	X6	X7
Lens Item	Lens Q'ty	Led Type	Serial Number	Lens Angle	Type	Housing

X1: Lens Item → Ledlink

X2: Lens Q'ty → 01, 03, 04, 06, 07, 09, 12, 15, 18, 24, 36, 60

X3: Led Type : CR → Cree
ED → Edison
LU → Lumileds
NI → Nichia
OS → Osram

X4: Serial Number → AA, AB, AC,Ex,.....

X5: Lens Angle → 08°, 10°, 15°, 25°,.....,40°,.....,80°,.....,140°,25°x45°,30°x65°...

X6: Type : L → Lens(Material:L02-PC, L06-PMMA)
R→Reflector(Material:R35-Plastic Plating, R49-Aluminum)

X7: Housing : M1 → Black
M2 → White
M3 → Clear



Single Lens

LL01CR-DFxxL06-M2



(Tape available)

DxH(mm): 13.5x7.35

Full angle: 25° 40° 60° 80°
100° 30x65°

Cree XPE2/ XPG2

LL01LU-DFxxL06-M2



(Tape available)

DxH(mm): 13.5x7.35

Full angle: 80° 100° 30x65°

Lumileds Rebel/ Rebel ES

LL01CR-AAFxxL02-M2



(Tape available)

DxH(mm): 13.5x7.35

FWHM: 25° 45° 60°

Cree XPE2/ XPG2

Nichia NCS19A/ NVS19A/ NVS19B

LGInnotek H35C1

LL01HS-AAFxxL02-M2



(Tape available)

DxH(mm): 13.5x7.35

FWHM: 25° 45° 60°

Cree XPE2/ XPG2(Not for 60°)

LGInnotek H35C1

Nichia NCS19A/ NVS19A/ NVS19B

Prolight Phenix 3535

LL01OS-AAFxxL02-M2



(Tape available)

DxH(mm): 13.5x7.35

FWHM: 25° 45° 60°

Nichia NF2x757A

LL01CR-BDFxxL06-M2



(Tape available)

DxH(mm): 13.5x7.35

Full angle: 25° 40° 60° 80° 100°
30x65° 30x70°

Cree XBD

LL01OS-BDFxxL06-M2



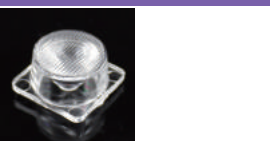
(Tape available)

DxH(mm): 13.5x7.35

Full angle: 25° 40° 60° 80° 100°
30x65° 30x70°

Osram Oslon SSL 80/150/Square

LL01NI-BYKxxL19



DxH(mm): 16x8

FWHM: 20° 30° 40° 60° 25x45°

Nichia 757A/D

Cree XPE2/XPG2/XB-D/XB-H/
XPL-HI/XHP35-HI

Edison 3030

Lumileds Luxeon T / Z ES

LL01CR-HQxxL06-M2



DxH(mm): 16x10.3

Full angle: 15° 25° 30° 40°
60° 80° 25x45°

Cree XPE2/ XPG2

LL01CR-CAXxxL06



DxWxH(mm): 20.5x20.5x13.8

FWHM: 10x90° 25x90°

Cree XP-E2/ XP-G2/ XPL-HD

LGInnotek H35C1

LL01OS-BFVxxL06



DxH(mm): 20.8x12.35

FWHM: 15° 25° 30° 10x40°

Cree XP-E2/XP-G2/XB-D/XT-E/
XPL-HI

Osram Oslon SSL 80/Square

Lumileds Rebel(ES)/Luxeon T/Tx/Z

Samsung LH351A/ B/ Z

Seoul Z5/Z5P/Z5 M1(M2)/MJT2525

Nichia 757D

Prolight Phenix3535/3045

LL01CR-AAxxL06-M2



DxH(mm): 21x12.6

Full angle: 20x65°

Cree XPE

LL01CR-YJxxL02-M2



(Tape available)

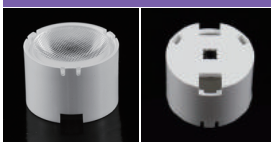
DxH(mm): 21x13.9

Full angle: 40° 60° 80° 100°

Cree XML

Edison Federal 5050

LL01OS-MQxxL06-M2



DxH(mm): 21.05x14.75

Full angle: 15° 25° 40° 60°

Osram Oslon SSL 80 / Square

LL01ED-CVxxL06-M2

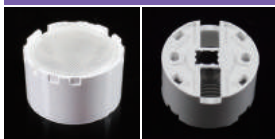


DxH(mm): 21.2x15.1

FWHM: 15° 25° 45°

Edison 1LA5

LL01LU-AFCxxL06-M2



(Tape available)

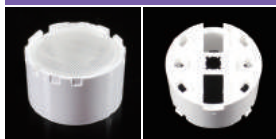
DxH(mm): 21.3x12.4

FWHM: 10° 15° 25° 30°
10°x35° 15°x30°

Lumileds Rebel/ Rebel ES

Prolight PHENIX 3045

LL01OS-AFCxxL06-M2



(Tape available)

DxH(mm): 21.3x12.4

FWHM: 10° 15° 25° 30° 50°
10°x35° 15°x30°

Osram Oslon SSL 80 / Square

LL01CR-AFCxxL06-M2



(Tape available)

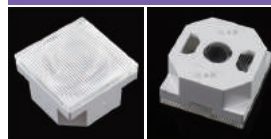
DxH(mm): 21.3x12.4

FWHM: 10° 15° 25° 30° 50°
10°x35° 15°x30°

Cree XPE2/ XPG2

Prolight Phenix 3535(Not for 10°)

LL01CR-CRI1055L02-M2



DxWxH(mm): 22x22x13.15

FWHM: 10x55°

CREE XPE2 / XPG3

LG Innotek H35A / H35C1

NICHIA NCSxx19A / NVSxx19A /
NCSxx19B / NVSxx19B

LL01ZZ-AHZxxL02



DxH(mm): 22.2x10.6

FWHM: 24° 38°

Cree XML/ XML EZW/ XPL

Lumileds Luxeon T/Tx

Prolight Horent

LL01ZZ-EXxxL06-M2



(Tape available)

DxH(mm): 22.4x9.7

Full angle: 10° 25° 40° 60° 110°
30x65° 30x85°

Cree XPE2/ XPG2

LL01LU-EXxxL06-M2



(Tape available)

DxH(mm): 22.4x9.7

Full angle: 10° 25° 40° 60° 110°
30x65° 30x85°

Lumileds Rebel/ Rebel ES

LL01OS-EXxxL06-M2



(Tape available)

DxH(mm): 22.4x9.7

Full angle: 10° 25° 40° 60° 110°
30x65° 30x85°

Osram Oslon SSL 80 / Square

LL01CR-BEXxxL06-M2



(Tape available)

DxH(mm): 22.4x9.7

Full angle: 25° 40° 60°

Cree XBD

LL01NI-GRxxL06-M2



DxH(mm): 23.5x14.9

Full angle: 25° 40° 60° 80°

Nichia 183A

LL01NI-ANExxL02-M2



(Tape available)

DxH(mm): 23.5x15.8

FWHM: 10° 20° 30° 55°

Cree XPL-HD

Nichia NCS19A/NVS19A/NVS19B

LL01CR-AOxxL06-M2



DxH(mm): 23.5x15.9

Full angle: 60°

Cree XRE

LL01ED-AOxxL06-M2

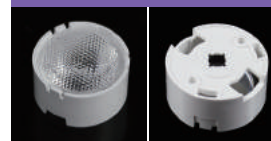


DxH(mm): 23.5x17.5

Full angle: 30° 40° 60° 80° 25x45°

Edison 1LA5

LL01XP-FLxxL06-M2



(Tape available)

DxH(mm): 24.3x11.5

Full angle: 10° 25° 40° 60° 30x65°

Cree XP-E2/ XP-G2

Nichia NVSxx19B

LG Innotek H35C1

LL01LU-FLxxL06-M2



(Tape available)

DxH(mm): 24.3x11.5

Full angle: 10° 25° 40° 60° 30x65°

Lumileds Rebel/ Rebel ES

Prolight PHENIX 3045



LL01CR-AFLxxL02-M2



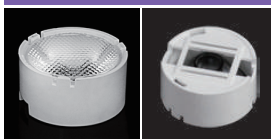
(Tape available)
DxH(mm): 24.3x11.5
Full angle: 35° 50° 70°
Cree MK-R / MT-G
Lumileds Luxeon M

LL01LU-AFLxxL02-M2



DxH(mm): 23.6x12.5
FWHM: 35° 50° 70°
Cree MK-R / XHP70
Lumileds Luxeon M

LL01CR-FLxxL06-M2



DxH(mm): 24.3x12.3
Full angle: 25° 40°
Cree MCE

LL01NI-DZxxL06-M2



DxH(mm): 25x13
Full angle: 20x40°
Cree MX6
Nichia NS6x183A

LL01ED-AFDxxL06



DxH(mm): 26x15.5
FWHM: 15° 20°
Bridgelux V6
Cree XHG/HPL-HD/XHP50
Sharp Petite Zenigata
Edison Federal 5050 Color
Prolight S series/ Preeon Color

LL01ED-ACM2020L02



DxH(mm): 26x16.42
FWHM: 20x20°
Cree XM-L2

LL01CR-ACZxxL02



DxH(mm): 27.8x10.2
FWHM: 24° 38°
Cree XP-E/ XM-L2/XM-L EZW
 XPL-HD/XHP50
Edison Federal 5050
Osram Oslon Square
Sharp Petite Zenigata

LL01XP-DGxxL06-M2



DxH(mm): 32.8x18
Full angle: 20° 30° 40° 50° 60°
Cree XPE2/ XPG2 / XPL-HD
 (FOR 3535 LED)

LL01CR-DGxxL06-M2



DxH(mm): 32.8x18
Full angle: 20° 30° 40° 50° 60°
Cree MCE

LL01LU-DGxxL06-M2



DxH(mm): 32.8x18
Full angle: 20° 30° 40° 50° 60°
Cree MKR / XHP70
Lumileds Luxeon M

LL01CR-WlxxL02-M2



(Tape available)
DxH(mm): 32.8x18
Full angle: 15° 25° 40°
Cree XML

LL01CR-BGSxxL06



DxH(mm): 34x15.7
FWHM: 24°
Cree CXA15xx/XHP70
Citizen CLU028
Seoul ZC4/ZC6
Sharp Mini Zenigata
Osram Duris S8

LL01ED-AKxxL06



DxH(mm): 34.4x18.8
Full angle: 25° 40°
Bridgelux V6
Cree XPG/XHG/MX-3/MX-6/XM-L2/
 XM-L EZW/MC-E/XHP50(70)/
 MK-R2/MHB/CXA13xx
Edison Federal 3045/3535/5050/1LA5
Lumileds Luxeon A
Nichia NVS19A
Osram Oslon SSL150/Square/Ostar/
 Ostar RGBW
Seoul A4

LL01ED-ACZxxL02



DxH(mm): 35x10.7
FWHM: 24° 38°
Cree XPE/ XML2/XML EZW/ XHG/
 XPL-HD/XHP50
Edison Federal 5050
Sharp Petite Zenigata
Osram Oslon Square/ Ostar

LL01CR-BLU03L06



DxH(mm): 35x20
FWHM: 3°
Cree XPE2/XPG2/XML2/XB-H
 /MT-G2/CXA13xx/
 XPL-HD/XPL-HI/XHP35-HI/
 XHP35-HD
Lumileds Luxeon T/Tx
Nichia NCS19B/NVS19B



35 mm
|
96 mm

LL01CR-ZExxL02



DxH(mm): 35x20.15
Full angle: 20° 30° 45°
Cree MKR/ MTG2 /XHP50(70)
Lumileds Luxeon M/S/
L2C1-1202
Luminus CXM6/7
Sharp Mini Zenigata
Seoul A4

LL01CR-FOxxL06



DxH(mm): 35.8x15.75
Full angle: 40°
Cree XML2
Edison Federal 5050
Lumileds Luxeon T
Osram Oslon Square

LL01ED-BCQxxL06-M1



DxH(mm): 38.1x20.2
FWHM: 15° 30° 40° 15x30° 30x50°
Cree XML Color / XHP50
Edison Federal 5050 Color
Osram Ostar RGBW

LL01CR-BCQxxL06-M1



DxH(mm): 38.1x20.9
FWHM: 15° 30° 40° 15x30° 30x50°
Cree MCE Color

LL01LU-ABWxxL02-M2



DxWxH(mm): 39.1x34.1x32.2
FWHM: 10x50°
All single chip LED.

LL01CR-ANWxxL06



DxH(mm): 45x26.3
FWHM: 10° 20° 30°
Cree MCE Color
Osram Ostar RGBW

LL01CR-BJHxxL06



DxH(mm): 45x26.3
FWHM: 10°
Cree XML

LL01ED-AYxxL06-M2



DxH(mm): 46x27.1
FWHM: 10°
Full angle: 38°
Cree XML2/ MTG2/XHP50/70/
MHD/MHB
Lumileds Luxeon M / S

LL01ED-FGxxL06-M2



DxH(mm): 46x27.1
FWHM: 10°
Full angle: 38°
Cree XML2/ XHP50/70/MHD/MHB
Citizen CLU028
Lumileds Luxeon M / S
Luminus CXM 6/ 9/ 11

LL01CR-PVxxL02-M2



DxH(mm): 47.2x25.6
Full angle: 45° 60° 80°
Cree XML2/ MTG2/MKR/XHP50/70/
MHD/MHB
Citizen CLU028
Lumileds Luxeon M / S

LL01ZZ-AHAxxL06-M2



(Tape available)
DxH(mm): 52x27
FWHM: 5°
Cree XPE/ XML2
Lumileds Rebel ES
Nichia NCS19A/NVS19A/NVS19B
Osram Oslon SSL 80

LL01CR-ADPxxL06



DxH(mm): 75.8x35.2
FWHM: 15° 24° 38°
Cree MKR/ MTG EZW/ MTG2
Lumileds Luxeon M/ Luxeon S

LL01YF-BJV20L06



Fresnel Lens
DxH(mm): 96.5x2.8
FWHM: 20°
Cree XPE



COB Solution

LL01ED-ACAxL14



DxH(mm): 29.9x12
FWHM: 24° 38°
Cree CXA15xx/MHD
Citizen CLU028
Sharp Mini Zenigata

LL01NI-QLxxL06-M2



DxH(mm): 30x17
Full angle: 25°
Nichia 024B
Lumileds L2C1-1202
Sharp Mini Zenigata

LL01CR-ABGxxL02



DxH(mm): 34x15.7
FWHM: 24° 38° 55°
Cree MKR2/MTG2/XHP50/70/MHB
Nichia 036B/ 024B/066A/036B
Luminus CXM6/7
Lumileds Luxeon M/ MZ/ S

LL01CR-CHQxxL02



DxH(mm): 35x10.5
FWHM: 24° 38°
Cree CXA 13xx / MKR2
Citizen CLL010/020/022
Lumileds L2C1-1202/ LHC1-1202/1203
Xicato XTM-9mm LES



Connector:
LL01A00CZNB2-M2 ①

LL01CR-BJL40L02



DxH(mm): 35x12.55
FWHM: 40°
Bridgelux VERO 10/13
Citizen CLL010/020/022/CLU028
Cree CXA 13xx/15xx
Nichia 036A/024B/066A/036B
Lumileds L2C1-1202/
LHC1-1202(1203)
Sharp Mini Zenigata
Seoul ZC4/6

LL01SP-AVA40L06



DxH(mm): 42x9.65
FWHM: 40°
Bridgelux Vero10/13
Cree CXA13xx/ 15xx
Citizen CLL010/020/022 / CLU028
Seoul ZC4/6/12/ 18
Lumileds L2C1-1202/LHC1-12xx
Nichia 036A/024B/066A/036B/
121A/060B
Sharp Petite/ Mini/ Mega Zenigata

LL01WT-BSSxxL46



DxH(mm): 44.4x12.2
FWHM: 40° 32°
Bridgelux VERO10/13
Cree CXA13xx/15xx/1816/1820
Citizen CLL010/020/022
Nichia 036A/024B/066A/036B
Lumileds L2C1-1202/LHC1-1202/1203
Luminus CHM 11
Seoul ZC4/6

LL01ED-ABY24L02 /
LL01CR-AQHxxL02

DxH(mm): 44.4x14.1
FWHM: 24° 38° 45°
Bridgelux V6 / V8 / VERO10
Cree XHP50/ 70 / CXA13xx/15xx
Citizen CLL010/CLU028
Lumileds L2C1-1202
Luminus CXM6/7/9
Lextar PB04/07/10
Nichia 036A/024B/066A/036B
Sharp Petite Zenigata
Prolight S series

LL01CR-ABHxxL02



DxH(mm): 50x10.4
FWHM: 40° 60°
Bridgelux V8/ V10
Cree MKR/ MTG2/ CXA13xx/ 15xx
Citizen CLL030/032 /CLU028
Edison EPCX-HR96
Lextar PB 07/ 10/ 15
Luminus CXM 6/7/9/11/14/CHM 11
Lumileds Luxeon M/LHC1-1205
Seoul ZC4/ZC6
Sharp Mini Zenigata
Nichia 036A/ 024B/ 066A/ 036B

LL01ZZ-CPRxxL46



DxH(mm): 47x8.5
FWHM: 24° 38°
Cree CXA13xx/ MHB
Citizen CLL010/020/022
Seoul ZC4/ZC6
Xicato XTM-9mm

LL01CI-WLxxL02



DxH(mm): 49.2x9.5
Full Angle: 40°
Bridgelux Vero10
Cree CXA13xx/ 15xx
Citizen CLL020/022/030/032
Seoul ZC12/18
Nichia 066A/ 036B

LL01NI-BNX38L02



DxH(mm): 44.4x14.6
FWHM: 38°
Bridgelux Vero10
Citizen CLL010/020/022
Cree CXA13xx
Lumileds L2C1-1202/
LHC1-1202/1203
Nichia 757D/036A/024B/066A/036B

LL01CI-ZNxxL06



DxH(mm): 44.4x11.05
Full Angle: 25° 40°
Citizen CLL010

LL01CI-ZOxxL06



DxH(mm): 60x15.2
Full Angle: 25° 40°
Citizen CLL020/022
Luminus CXM 14

LL01CI-ZMxxL06



DxH(mm): 68.8x19.18
Full Angle: 40°
Citizen CLL030/032

LL01CI-AAKxxL06



DxH(mm): 68.8x19.18
FWHM: 25°
Citizen CLL030/032

LL01CT-BBxxL06



DxH(mm): 69x22.7
FWHM: 24° 38°
Bridgelux Vero10
Citizen CLL020/022/CLU028
Edison HD30
Luminus CXM14 / CHM11
Nichia 121A/060B/216A/108B/130B

LL01CR-CEWxxL02



DxH(mm): 50x15
FWHM: 12° 24° 38°

Bridgelux Vero 13
Cree CXA13xx ①/15xx ②
Citizen CLL010/020/022/030/032/CLU700/710/720/CLU028
Luminus CHM 11 EDISON HD30 Nichia 060B/ 121A
Sharp Mini Zenigata Xicato XTM-9/19mmLES



Connector:
LL01A00CZNB2-M2 ①



Holder:
LL01A00CSLB2 ②

LL01CI-WNxxL02



DxH(mm): 72x12.8
Full Angle: 40°
Bridgelux Vero13
Cree CXA15xx/ 18xx
Citizen CLL030 032
Luminus CHM 11
Nichia 060B/ 121A
Seoul ZC12/18

LL01CT-AZWxxL02-P



DxH(mm): 76.1x12.7
FWHM: 12° 15° 24° 38°
Citizen CLL020/022 ① /030/032
Edison EPCX-HR96
Luminus CXM9/ 11/ 14/ 18/ CHM 11
Samsung LC026B
Xicato XTM-19mmLES



Connector:
LL30A00SUNB2-M2 ①

LL01CR-CENxxL02



DxH(mm): 70x17.5
FWHM: 12° 24° 38°

Cree CXA15xx ②/18xx ③
Citizen CLL020/022/030/032/CLU700/710/720 ①/CLU028
Edison HD30 ①
Luminus CHM11 ①
Sharp Mini/ Mega Zenigata
Xicato XTM-19mm LES



Connector:
LL01A00CSJB2-M2 ①
LL01A00CZMB2-M2 ②

Holder:
LL01A00CSKB2 ③

LL01ED-IHxxL-02



DxH(mm): 87x44.25
Full angle: 60°
Edison 1LA5

LL01CT-AZNxxL02-P



DxH(mm): 88.5x15
FWHM: 15° 24° 38°
Bridgelux Vero 18
Cree CXA13xx/ 15xx/ 18xx
Citizen CLL030/032 ①/CLU028
Edison EPCX-HR96
Osram SOLER IQ S13
Nichia 121A/ 060B



Holder :
LL01A00SUFB2 ①

LGIT COB10/13/17/24W
Luminus CXM14/CHM 11
Sharp Mega/ Mini Zenigata
Samsung LC026B
Xicato XTM-9/19mm LES

LL01CR-CFExxxL02



DxH(mm): 70x17.5
FWHM: 12° 24° 38°

Cree CXA15xx ②/18xx ③
Citizen CLL020/022/030/032/CLU700/710/720 ①/CLU028
Edison HD30 ①
Sharp Mega Zenigata
Xicato XTM-9/19mm LES



Connector:
LL01A00CSJB2-M2 ①
LL01A00CZMB2-M2 ②

Holder:
LL01A00CSKB2 ③

LL01ZZ-CPQxxL46



DxH(mm): 74.4x13
FWHM: 24° 38°
Cree CXA15xx / MHD
Citizen CLL020/022/CLU028
Seoul ZC12/ZC18

LL01CR-BAAXxL02



DxH(mm): 74x3
FWHM: 24°
Cree CXA25xx/ 30xx

LL01CI-WMxxL02



DxH(mm): 92.5x27.5
Full Angle: 40°
Bridgelux Vero18
Cree CXA18xx
Citizen CLL030
Nichia 130B/108B/216A
Seoul ZC12/18
Luminus CHM 11

LL01CT-AMYxxL06



DxH(mm): 76x23
FWHM: 24° 38°
Bridgelux Vero18
Citizen CLL030/032/040/042/CLU028
Cree CXA 15xx/1816/1820/25xx/30xx
Lumileds LHC1-1204/1205
Lextar PB07/10/15/20/30/40



Holder :
LL30A00SULB2
(Can be compatible
to ø25mm LED)

Luminus CHM 11
Osram SOLER IQ S19
Seoul ZC12/18/25/40
Samsung LC026B
Prolight CI/BI/N series

LL01CR-CEOxxL02



DxH(mm): 90x19.5
FWHM: 12° 24° 38°
Cree CXA15xx/18xx/25xx
Citizen CLL030/032/040/042/
CLU 700/710/720
Edison HD30
Luminus CHM 11
Sharp Mega Zenigata
Xicato XTM-9/19mmLES

LL01CT-APGxxL06-M2



DxH(mm): 90.8x22
FWHM: 24° 38°
Citizen CLL030/ 032 /CLU028
Cree CXA13xx/1816/1820/25xx/30xx
Bridgelux VERO13/18
Luminus CXM27/CHM 11
LGIT COB10/13/17/24W
Lextar PB20/30/40
Osram SOLER IQ S13/ S19
Samsung LC013B/026B/040B
Sharp Mini/ Mega Zenigata
Everlight JU1215(10W) / 2024
Prolight BI/N series
Lumileds LHC1 12xx
Nichia 060B/108B/130B/121A/216A

LL01ZZ-AOFxxL06-M2



DxH(mm): 76.4x16.7
FWHM: 24° 38°
Bridgelux Vero 10/13/18
Cree CXA13xx/15xx/1816/1820/25xx
Citizen CLL020/022/030/032/CLU028
Everlight JU1215(10W)/2024
Luminus CXM9/11/14/18/CHM 11
Seoul ZC12/18
Osram SOLER IQ S13/ S19
Samsung LC013B/026B/040B
Sharp Mini/Mega Zenigata
LGIT COB10/13/17/24W
Lextar PB07/10/15/20/30
Lumileds L2C1-1202/ LHC1-12xx
Nichia 066A/036B/121A/060B/216A/
108B/130B
Prolight CI/BI/N series

LL01CR-BAYxxL06



DxH(mm): 76x22.5
FWHM: 24° 38°
Bridgelux Vero13/ 18
Cree CXA15xx/18xx/25xx/30xx
Citizen CLL020/022/030/032/CLU028
LGIT COB10/13/17/24W
Luminus CXM9/ 11/ 14 /CHM 11
Everlight JU1215(10W)/ JU2024
Lumileds LHC1-12xx
Nichia 066A/036B/060B/121A/130B/108B/ 216A



Holder :
LL30A00SULB2
(Can be compatible
to ø25mm LED)

Osram SOLER IQ S13/ S19
Samsung LC013B/026B/040B
Seoul ZC12/18/ ZC25/40
Sharp Mega Zenigata
Prolight CI/ BI/ N series
Lextar PB 07/10/15/20/30/40

LL01CT-BZN15L02-P



DxH(mm): 88.5x15
FWHM: 15°
Cree CXA25xx
Citizen CLL030/032
Xicato XTM-9mm LES

LL01ED-ABXxxL06



DxH(mm): 75.8x24.35
FWHM: 24° 38°

Bridgelux Vero13/ 18
Cree MTG2/ CXA18xx/ 25xx
Citizen CLL030/032/040/042/CLU028
Everlight JU1215(10W)/JU2024
Lumileds LHC1-1204/ 1205/ 1208
Luminus CXM 9/ 11/ 14/ 18/CHM 11
Sharp Mini/ Mega Zenigata
Lextar PB07/10/15/20/30
Samsung LC013B/040B
Seoul ZC12/18/25/40
Prolight CI/ BI/ N series
Nichia 066A/ 036B

LL01ED-ASAxxL06-P



DxH(mm): 90.6x22
FWHM: 12° 24° 38°
Bridgelux Vero18
Citizen CLL020/022/030/032/040/042
Cree CXA18xx/25xx
Everlight JU2024
Lextar PB20/30/40
Lumileds LHC1 1204/ 1205/ 1208



Holder :
LL38A00CSFM2
(Can be compatible
to ø 20mm LED)

Osram SOLER IQ S13/ S19
Luminus CXM18/27
LGIT COB10/13/17/24W
Seoul ZC12/18/25/40
Samsung LC013B
Sharp Mega Zenigata
Nichia 066A/036B/121A/060B/
216A/108B/130B



Reflectors

Aluminum ▼

LL01ED-AJMxxR49



Holder:
LL01A00SUBB2 ①

DxH(mm): 35.2x7.8
FWHM: 24° 38°
Cree CXA1304/15xx ①
Citizen CLL010
Everlight JU1215COB 4W
Nichia 036A/ 024B
Sharp Mini/ Petite Zenigata

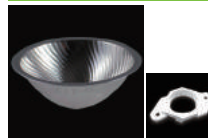
LL01CT-AMXxxR49



Holder:
LL01A00SUEB2 ①

DxH(mm): 44x11.8
FWHM: 45°
Citizen CLL010 ①
Everlight JU1215COB 4W/ 7W/ 10W
Nichia 036A/ 024B
Sharp Mini/ Petite Zenigata

LL01CT-AJZxxR49



Holder:
LL01A00SUAB2 ①

DxH(mm): 50x19
FWHM: 36° 50°
Bridgelux Vero13
Citizen CLL010/020/022 ①
Cree CXA13xx/15xx
Everlight JU1215 4W/7W/10W
Lumileds LHC1-1202/ 1203
Luminus CXM-6/ 7/ 9
Nichia 036A/ 024B/ 066A/ 036B
Sharp Mini Zenigata

LL01ED-ALlxxR49



Holder:
LL01A01STYB2 ①

DxH(mm): 50x19
FWHM: 24° 38° 55°
Citizen CLL020/022
Cree CXA15xx/1816/1820
Edison EPCX-HR96 ①
Sharp Mini Zenigata
Nichia 036A/ 024B/ 066A/ 036B
Lumileds LHC1-1202/1203
Luminus CXM-6/ 7/ 9
Everlight JU1215 4W/ 7W/ 10W/JU2024

LL01ED-AKYxxR49



Holder:
LL01A01STYB2 ①

DxH(mm): 50x30 / 50.5x30(45°)
FWHM: 24° 38° 45°
Cree CXA15xx
Lextar PB 04/ 07/ 10
Nichia 036A/ 024B/066A/036B
Everlight JU1215COB 4W/ 7W/ 10W
Edison EPCX-HR96 ①
Lumileds LHC1-1202/ 1203
Luminus CXM 6/ 7
Sharp Mini Zenigata

Prolight S series
Seoul ZC4/6

LL01ED-AKVxxR49



Holder:
LL01A00SUGB2 ①

DxH(mm): 50.5x29.5
FWHM: 36°
Bridgelux Vero10/ 13
Cree CXA15xx/25xx
Citizen CLL020/022/030/032
Edison EPSX-HRB8 ①
Luminus CXM 6/ 7/ 9/ 11/ 14
LGInnotek COB 10W/13W/17W/24W
Everlight JU1215 (4/7/10W)/JU2024
Nichia 036A/ 024B
Sharp Mini Zenigata

LL01ZZ-AAAXxL49



Fresnel Lens:
LL01CR-BAA24L02

Holder:
LL01A00SUBB2 ①

DxH(mm): 70x35
FWHM: 24° 38° 55°
Citizen CLL020/012/030/032
Cree CXA15xx ① /1816/1820
Lumileds LHC1-1204/ 1205/ 1208
LGInnotek COB 10W/13W/17W/24W
Nichia 121A/060B/216A/108B/130B/066A/036B
Everlight JU1215 7W/10W/JU2024
Edison EPCX-HR96
Bridgelux Vero13
Prolight BI/ N Series
Sharp Mini Zenigata

Lextar PB15
Seoul ZC4/6/12/18

LL01ED-ALAXxR49



Holder:
LL01A00SUBB2 ①

DxH(mm): 75x20.1
FWHM: 24° 38°
Cree CXA15xx/18xx
Citizen CLL020/022/030/032
Edison EPSX-HRB8 ①
Everlight JU1215 7W/ 10W / JU2024
Sharp Mega Zenigata
Nichia 121A/ 060B/ 216A/ 108B/ 130B

LL01SP-ATHxxR49



Connector:
LL01A39CUKB2-M2 ①
LL01A27BUYM2-M2 ②

Holder:
LL01A00SUKB2 ③
LL01A00SUVB2 ④

DxH(mm): 75x40
FWHM: 15° 24° 30° 38°
Bridgelux V6/V8
Cree CXA15xx/1816/1820 ① ④
1830 / 25xx / 30xx ②
Citizen CLL020/022/030/032/040/042 ②
Lumileds LHC1 1202/1203/1204/1205/1208 ⑤
Nichia 066A/036B/121A/060B/216A/108B/ 130B
Sharp Mega Zenigata ③
LGInnotek COB 10/13/17/24W

Prolight BI/ N series
Lextar PB 20/30/40
Luminus CXM 11/14/ 18
Samsung LC013B/ 026B/ 040B
Seoul ZC12/ 18/ 25/ 40
Osram Soler IQ S13/ S19

LL01CR-AYGxxR49



Connector:
LL30A00SUSB2-M2 ①

DxH(mm): 75x45
FWHM: 15° 24° 38°
Bridgelux Vero10/ 18
Cree CXA15xx ① /1816
Lextar PB 15/20/30
Sharp Mini Zenigata
Seoul ZC12/18
Everlight JU1215 7W/10W/JU2024
Lumileds LHC1-1205/1208
LGInnotek COB 10/13/17/24W
Nichia 066A/036B/121A/060B/216A/108B/130B

Luminus CXM 14/18
Prolight BI/N series

LL01CT-ALNxxR49



Holder:
LL01A00SUAB2 ①

DxH(mm): 75.8x20.1
FWHM: 30° 42°
Cree CXA15xx
Citizen CLL020/022 ①
Nichia 066A/ 036B
Sharp Mini Zenigata
Everlight JU1215 7W/10W

Aluminum ▼

LL01ED-AKA60R49



Holder:
LL01A01STZB2 ①
LL01A00SUFJB2 ②

DxH(mm): 85x23.5
FWHM: 60°
Cree CXA1816/1820/25xx ② /30xx
Citizen CLL030/032
Edison EPSX-HRB8/HRBF/HRBJ ①
Everlight JU1215 10W / JU2024
Lextar PB 20/ 30/ 40
Nichia 121A/ 060B/ 216A/ 108B/ 130B
Sharp Mini/ Mega Zenigata

LL01CR-BDJ80R49



Holder:
LL01A00SUFVB2 ①

DxH(mm): 90x40
FWHM: 80°
Cree CXA1816/ 1820 ①

LL01LU-BRS22R49



Connector:
LL01A00BVFVB2-M2 ①

DxH(mm): 90x50
FWHM: 22°
Luminus CXM18 ①

LL01CT-ALOxxR49



Holder:
LL01A00SUFJB2 ①

DxH(mm): 90.5x23.2
FWHM: 24° 38° 45°
Cree CXA15xx/1816/1820
Citizen CLL030/032 ①
Edison EPSX-HRB8
Everlight JU1215 10W/JU2024
Luminus CXM14
Sharp Mini/ Mega Zenigata

LL01SP-ASOxxR49



Connector:
LL01A39CUKB2-M2 ①
LL01A27BUYM2-M2 ②

Holder:
LL01A00SUKB2 ③
LL01A00SUFVB2 ④

DxH(mm): 90x50
FWHM: 15° 24° 38° 55°
Bridgelux Vero10/13/18
Cree CXA1816/1820 ① ④ /25xx/30xx ②
Citizen CLL030/032/CLL040/042 ②
Everlight JU1215 10W/JU2024
Lextar PB 20/30/ 40
Luminus CXM11/14/18
LGInnotek COB 10/13/17/24W
Lumileds LHC1-1202/1203/1204/1205/12808 ③
Nichia 121A/ 060B/ 216A/ 108B/ 130B
Sharp Mega Zenigata ③
Seoul ZC12/18/ 25/40
Samsung LC013B/ 026B/ 040B
Osram Soler IQ S13/ S19
Prolight CI/ BI/N series

LL01ED-ALJxxR49



Holder:
LL01A01STZB2 ①
LL01A00SUFJB2 ②

DxH(mm): 91.5x23.2
FWHM: 24° 38° 45°
Cree CXA1816/1820/25xx ② /30xx
Citizen CLL030/032/040/042
Edison EPSX-HRB8/ HRBJ ①
Everlight JU1215 10W / JU2024
Nichia 121A/060B/216A/108B/130B
Sharp Mega Zenigata

LL01ED-AKXxxR49



Holder:
LL01A01STZB2 ①
LL01A00SUFJB2 ②

DxH(mm): 116x32
FWHM: 24° 38°
Cree CXA18xx/25xx ② /30xx
Citizen CLL030/032/040/042
Edison EPSX-HRB8/HRBF ①
Everlight JU2024
Lextar PB 20/ 30/ 40
Nichia 216A/ 108B/ 130B
Sharp Mega Zenigata

Aluminum+PC ▼

LL01CT-BKY15R49-BLB110L51



DxH(mm): 93x35
FWHM: 15°
Citizen CLL030/032
Seoul ZC12/ZC18

LL01CT-BKY24R49-BLB140L51



DxH(mm): 93x35
FWHM: 24°
Citizen CLL030/032
Seoul ZC12/ZC18

LL01CT-BKY36R49-BLB130L51



DxH(mm): 93x35
FWHM: 36°
Citizen CLL030/032
Seoul ZC12/ZC18

LL01CT-BKY75R49-BLB120L51



DxH(mm): 93x35
FWHM: 75°
Citizen CLL030/032
Seoul ZC12/ZC18

Aluminum+PC ▼

LL01CR-BIYxxR49-BIZ120L02



DxH(mm): 100x57
FWHM: 13° 24°
Citizen CLL030/032
Seoul ZC12/ZC18

LL01CR-BSAxxR49-BZG100L51



DxH(mm): 75x26.9
FWHM: 12° 18°
Cree CXA15xx

LL01CR-BGCxxR49-BKG15L02



DxH(mm): 75x45
FWHM: 15° 24° 38°
Cree CXA18xx

Plastic Plating ▼

LL01BR-TYRxxR34-P



DxH(mm): 45x19.4
FWHM: 24° 34° 50°
Citizen CLL010/012/020/022/030/032
Cree CXA13xx/15xx/1816/1820
Everlight JU1215 4W/7W/10W/JU2024
Edison EPCX-HR96
LGInnotek COB 10W/13W/17W/24W
Sharp Mini/ Mega Zenigata
Seoul ZC12/18
Prolight BI/ N/ S Series

LL01CIOTxxR2-P



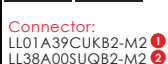
DxH(mm): 50x30
FWHM: 20° 33° 45°
Citizen CLL030/032 ①
Cree CXA15xx ② /25xx
Edison EPCX-HR96
Everlight JU1215(4/7/10W)/ JU2024
Lextar PB 07/10/15/20/30
Prolight CI/ BI/ N series
Seoul ZC12/18
Sharp Mini /Mega Zenigata

LL01CT-AYTxxR35-P



DxH(mm): 75x45
FWHM: 15° 24° 38°
Bridgelux V6/Vero 10/13/18
Citizen CLL020/022 ② /030/032
Cree CXA15xx ① /18xx ② /25xx
Everlight JU121510W/ JU2024
Luminus CXM11/14/18
Lextar PB 20/ 30 Lumileds LHC1-1205/1208
Seoul ZC12/18 Osram Soler IQ S13/S19
Samsung LC013B/026B/040B
Nichia 066A/036B/121A/060B/216A/108B/ 130B
Prolight BI/CI/ N series

LL01CR-AYMxxR35-P



DxH(mm): 90x50
FWHM: 15° 24° 38°
Bridgelux Vero 18
Citizen CLL030/032/040/042
Cree CXA1830 ①/25xx ②
LGInnotek COB 10/13/17/24W
Osram Soler IQ S13/ S19
Nichia 121A/060B/216A/108B/130B
Everlight JU1215 10W/JU2024
Lumileds LHC1-1205/1208
Prolight CI/BI/N series
Lextar PB 20/30/40 Luminus CXM 11/14/18
Samsung LC013B/040B Seoul ZC12/18/25/40

LL01CT-AYXxxR35-P



DxH(mm): 90x50
FWHM: 15° 24° 38°
Bridgelux Vero13/18
Citizen CLL030/032 ② /040/042
Cree CXA1830 ①
Everlight JU1215 10W/JU2024
LGInnotek COB 10/13/17/24W
Lumileds LHC1-1205/1208
Luminus CXM11/14/18 Lextar PB 20/30/40
Prolight CI/ BI/ N series Seoul ZC12/18/25/40
Samsung LC013B/040B Osram Soler IQS13/19
Nichia 121A/060B/216A/108B/130B



Multi Lens

LL03CR-ARHxxL06



DxH(mm): 21.8x7.9
FWHM: 38°
Cree XPE

LL03CR-BDMxxL06



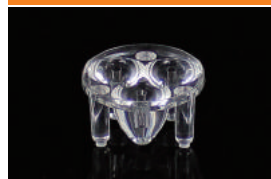
DxH(mm): 23.1x10.83
FWHM: 20° 40° 60°
Cree XTE

LL03LU-MKxxL06



DxH(mm): 23.1x11
Full angle: 15° 25°
Nichia NCSxx19A/ NVSxx19A

LL03LU-DMxxL06



DxH(mm): 23.1x11
Full angle: 15° 25° 40°
Cree XPE/XPG
Edison Federal 3045
Lumileds Rebel
Osram Oslon SSL 80

LL03DD-AMGxxL06



DxH(mm): 35x7
FWHM: 38°
Cree XPE
Nichia NF2x757A/D

LL03OS-GKxxL06



DxH(mm): 33.2x9.8
Full angle: 25° 40° 60°
Cree XPE/ XPG2/ XTE/ XBD
Lumileds Rebel
Nichia NCSxx19B/ NVSxx19B
Osram Oslon SSL 80/ Square

Full angle: 40° 60° 80°
Cree XPE/ XPG (Only for 40°/60°)
Citizen ET-3535 Osram Oslon SSL 80
Lumileds Luxeon T/Tx/ Luxeon Z/Z ES
Nichia NCSxx19A/ NVSxx19A
Samsung LH351A(B) Seoul Z5M1

LL03ED-GKxxL06



DxH(mm): 33.2x10.2
Full angle: 25° 40° 60°
Edison Federal 3045
Nichia NS6x183A

LL03CR-GKxxL06



DxH(mm): 33.2x10.15
Full angle: 80°
Cree XPG2

LL03CR-ARixxL06



DxH(mm): 35x7.9
FWHM: 38°
Cree XPE

LL03CR-HKxxL06



DxH(mm): 35x8.2
Full angle: 40°
Cree MX6
Nichia NS9x383/ NF2x757A
Lumileds Luxeon A
Osram Oslon Square

LL03ED-EKxxL06



DxH(mm): 35x9.2
Full angle: 25° 40° 60°
Edison 1LA5

LL03CR-RXxxL06



DxH(mm): 35x10.5
Full angle: 25°
Cree XPE2/ XPG
Edison Federal 3045
Lumileds LuxeonT/Tx
Nichia NS6x183A
Seoul Z5/ Z5P
Full angle: 40° 60°
Cree XPE/ XPG2/ XTE/ XBD
Edison Federal 3535/ 3045/ ET-3535
Osram Oslon SSL80/ Oslon Square
Samsung LH351A/ LH351B
LGInnotek H35C1 Seoul Z5/ Z5P
Lumileds Rebel(ES)/ LuxeonA/ T/ Tx/ Z (ES)
Nichia NCSxx19A/B/ NVSxx19B/ NS6x183A

LL03NI-QQxxL06



DxH(mm): 35x10.5
Full angle: 15°
Nichia NVSxx19B/ NCSxx19B

LL03LU-DOxxL06



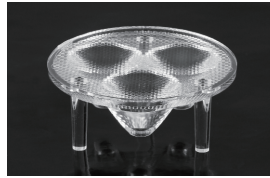
DxH(mm): 35x10.6
Full angle: 15° 25° 40°
Cree XPE/ XPG
Edison Federal 3045
Lumileds Rebel
Osram Oslon SSL 80/ Square

LL03CR-BDOxxL06



DxH(mm): 35x10.8
FWHM: 15° 25°
Cree XBD

LL03CR-AZxxL06



DxH(mm): 50x14.5
Full angle: 25° 45° 60°
Cree XPE/ XPG

LL04CR-ABDxxL06



DxH(mm): 22x6.7
FWHM: 24° 36°
Cree XPE/XBD

LL04CR-GPxxL06



DxH(mm): 22.2x6.7
Full angle: 25° 38° 45°
Cree XPE/ XHG
Osram Oslon SSL 80
Samsung LH351A/ LH351B

LL04LU-GPxxL06



DxH(mm): 22.2x6.8
Full angle: 15° 25° 45°
Cree XHG
Lumileds Rebel/ Rebel Es
Samsung LH351A/ LH351B

LL04LU-DNxxL06



DxH(mm): 25.4x10.5
Full angle: 15° 25° 40°
Cree XPE/ XPG
Lumileds Rebel
Osram Oslon SSL 80

LL04TS-BTBxxL06-M3



DxH(mm): 32x8.05
FWHM: 20°
Cree XPE2/ XPG2/ XTE/ XPL
Lumileds Rebel/ Rebel ES
Samsung LH351B
LGInnotek H351C
Nichia NVSxx19B/ NCSxx19B/
NF2x757A/D

LL04DD-AMGxxL06



DxH(mm): 35x7
FWHM: 38°
Cree XPE
Lumileds Rebel ES
Nichia NF2x757A/D

LL04LU-DOxxL06



DxH(mm): 35x10.4
Full angle: 15° 25° 40°
Cree XPE/ XPG
Lumileds Rebel
Osram Oslon SSL 80 / Square

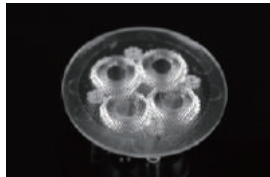
LL04CR-RXxxL06



DxH(mm): 35x10.5
Full angle: 25°
Cree XPE2/ XPG
Lumileds LuxeonT/Tx
Edison Federal 3045
Seoul Z5/ Z5P

Full angle: 40° 60°
Cree XPE/ XPG2/ XTE/ XBD
Edison Federal 3535/ 3045/ ET-3535
Lumileds Rebel (ES) / LuxeonA/ T/Tx/ Z (ES)
LGInnotek H35C1
Samsung LH351A/ LH351B
Seoul Z5/ Z5P
Nichia NCSxx19A/B/ NVSxx19B/ NS6x183A
Osram Oslon SSL80/ Oslon Square

LL04NI-DOxxL02



DxH(mm): 35x10.5
Full angle: 25° 40°
Nichia NCSxx19B/ NF2x757A

L04NI-QQxxL06



DxH(mm): 35x10.5
Full angle: 15°
Nichia NCSxx19A/ NVSxx19A
Seoul Z5

LL04OS-GKxxL06



DxH(mm): 37x9.8
Full angle: 40° 60° 80°
Cree XPE/ XPG2/ XTE/
XBD (Only for 40°/60°)
Lumileds Luxeon T/Tx/ Z/Z ES
Nichia NCSxx19A/ NVSxx19A
Osram Oslon SSL 80
Samsung LH351A/ LH351B
Seoul Z5M1

LL04ED-GKxxL06



DxH(mm): 37x10.3
Full angle: 25° 40° 60°
Edison Federal 3045

LL04ZZ-AAAxL06-M2



DxH(mm): 37x10.61
Full angle: 30° 40° 50° 70° 90°
30x65°
Cree XPE2/ XBD

LL04ZZ-BBBxxL02-M2



DxH(mm): 37x10.61
Full angle: 40° 70° 100°
Cree XPE2

LL04CR-CEC09L06



DxWxH(mm): 50x50x9.96
FWHM: 9°
CREE XP-E2 / XP-G2 / XPL-HI / XM-L
NICHIA NCSxx19A(B)/ NVSxx19A(B)
OSRAM Oslon SSL 80 / Square
SAMSUNG LH351A / LH351B
Seoul Z5M1 / Z5M2 / MJT 4040

LL04CR-CECxxL06



DxWxH(mm): 50x50x8.5
FWHM: 25° 50°
Cree XPE2/XPG2/XPL-HI/ XHP35-HD
Lumileds Luxeon T
Nichia NCSxx19B/ NVSxx19B
Osram Oslon Square

5 in 1 ▼

LL05CR-BFRxxL06



DxH(mm): 35.8x6.3
FWHM: 25° 40° 60°
Cree XTE
Lumileds Luxeon Z/Z ES
Nichia NVSxx19B/ NF2x757A

LL05CR-FRxxL06



DxH(mm): 35.8x6.5
Full angle: 25° 40° 60°
Cree XPE/ XPG

6 in 1 ▼

LL06CR-RXxxL06



DxH(mm): 50x10.5
Full angle: 25°
Cree XPE2/ XPG
Edison Federal 3045
Osram Oslon SSL80
Nichia NVSxx19A/ NCSxx19A
Seoul Z5/Z5P
Lumileds LuxeonT/Tx

Full angle: 40° 60°
Cree XPE2/ XPG2/ XTE/ XBD
Edison Federal 3535/ 3045
Nichia NCSxx19A/B/ NVSxx19B
Osram Oslon SSL80/ Oslon Square
Lumileds Rebel (ES)/ LuxeonA/T/Tx/ Z (ES)
Samsung LH351A
LGInnotek H35C1/H35A
Seoul Z5/ Z5P

LL06CY-TTxxL06



DxH(mm): 73.3x16
Full angle: 45°
Cree XPE/ XTE/ XBD

LL06ED-AXNxxL06-Mx



(Lens:LL06CR-CKxxL06)
DxH(mm): 76x16.2
FWHM: 25°
Cree XPE/ XML/ XML EZW

LL06ED-AXMxxL06-Mx



(Lens:LL06ED-AExxL06)
(Lens:LL06ED-DKxxL06)
DxH(mm): 76x16.2
FWHM: 15° 25° 35°
Cree XML/ XML EZW

LL06ED-AXLxxL06-Mx



(Lens:LL06ED-ATxxL06)
DxH(mm): 76x16.2
FWHM: 25°
Cree XPE/ XML/ XML EZW/ MKR

LL07CR-BFRxxL06



DxH(mm): 35.8x6.3
FWHM: 25° 40° 60°
Cree XTE
Lumileds Luxeon Z/Z ES
Nichia NVSxx19B/ NF2x757A

LL07CR-FRxxL06



DxH(mm): 35.8x6.5
Full angle: 25° 40° 60°
Cree XPE/ XPG

LL07ZZ-FVxxL06



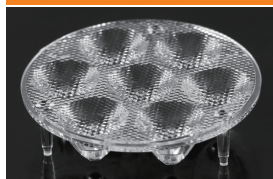
DxH(mm): 39.2x10.8
Full angle: 15° 25° 30° 60°
Cree XPE/ XPG
LGInnotek H35C1
Nichia NCSxx19A
Seoul Z5

LL07OS-GKxxL06



DxH(mm): 47x9.8
Full angle: 40° 60° 80°
Lumileds Luxeon T/Tx/ Z/ Z ES
Nichia NCSxx19A/ NVSxx19A
Osram Oslon SSL 80
Samsung LH351A/ LH351B
Seoul Z5M1

LL07ED-GKxxL06



DxH(mm): 47x10.5
Full angle: 25° 40° 60°
Edison Federal 3045

LL07CR-RXxxL06



DxH(mm): 50x10.3
Full angle: 40° 60°
Cree XPE2/ XPG2/ XTE/ XBD
Edison Federal 3535/ 3045
Osram Oslon SSL80/ Square
Nichia NCSxx19A(B)/ NVSxx19B
Lumileds Rebel(ES)/ Luxeon A/T/Tx/ Z(ES)
LGInnotek H35C1
Seoul Z5/ Z5P Samsung LH351A

LL07ZZ-FUxxL06



DxH(mm): 50.35x10.7
Full angle: 15° 25°
Cree XPE/ XPG
Edison Federal 3045
Lumileds Rebel
Osram Oslon SSL80/ Oslon Square

8 in 1 ▼

LL08NI-BEBxxL02



DxH(mm): 43x8.5
FWHM: 25° 40°
Nichia NF2x757A/ NF2x757D

LL08NI-BSRxxL02



DxH(mm): 43x8.5
FWHM: 25° 40°
Nichia NF2x757A/ NF2x757D

9 in 1 ▼

LL09CR-FRxxL06



DxH(mm): 45x7
Full angle: 25° 40° 60°
Cree XPE/XPG

LL09OS-GKxxL06



DxH(mm): 67x9.8
Full angle: 40° 60° 80°
Cree XPE/XPG2/XTE/XBD (Only 40°60°)
Citizen ET-3535
Lumileds Luxeon T/Tx/ Z/ Z ES
Nichia NCSxx19A/ NVSxx19A
Osram Oslon SSL 80
Seoul Z5M1
Samsung LH351A/ LH351B

LL09ED-GKxxL06



DxH(mm): 67x10.8
Full angle: 25° 40° 60°
Edison Federal 3045

LL09CR-RXxxL06



DxH(mm): 70x10.3
Full angle: 40° 60°
Cree XPE2/ XPG2/ XTE/ XBD
Edison Federal 3535/ 3045
Osram Oslon SSL80/ Square
Nichia NCSxx19A(B)/ NVSxx19B
Lumileds Rebel(ES)/ Luxeon A/ T/Tx/ Z(ES)
LGInnotek H35C1
Seoul Z5/ Z5P Samsung LH351A

LL09CY-TTxxL06



DxH(mm): 90.6x18.8
Full angle: 45°
Cree XPE/ XTE

LL12CR-FRxxL06



DxH(mm): 45x7
Full angle: 25° 40° 60°
Cree XPE/ XPG

LL12ZZ-CRCxxL19



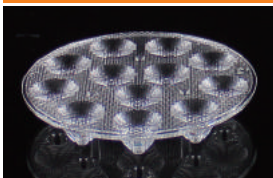
DxWxH(mm): 50x50x6.3
FWHM: 25° 55°
Edison 3030
Lumileds Luxeon3030
Nichia 757D

LL12ZZ-CRC90L19



DxWxH(mm): 50x50x3.8
FWHM: 90°
Edison 3030
Lumileds Luxeon3030
Nichia 757D

LL12OS-GKxxL06



DxH(mm): 67x9.8
 Full angle: 40° 60° 80°
 Cree XPE/XPG2/XTE/
 XBD (Only for 40°60°)
 Lumileds Luxeon T/Tx/ Z/Z ES
 Nichia NCSxx19A/ NVSxx19A
 Osram Osolon SSL 80 Seoul Z5M1
 Samsung LH351A/ LH351B

LL12ED-GKxxL06



DxH(mm): 67x10.8
 Full angle: 25° 40° 60°
 Edison Federal 3045

LL12CR-RXxxL06



DxH(mm): 70x10.3
 Full angle: 40° 60°
 Cree XPE2/ XPG2/ XTE/ XBD
 Edison Federal 3535/ 3045
 Nichia NCSxx19A(B)/ NVSxx19B
 Lumileds Rebel(ES)/LuxeonA/T/ Tx/Z(ES)
 LGInnotek H35C1 Seoul Z5/ Z5P
 Samsung LH351A
 Osram Osolon SSL80/ Square

13 in 1 ▼

LL13NI-BEBxxL02



DxH(mm): 62x8.5
 FWHM: 25° 40°
 Nichia NF2x757A/ NF2x757D

LL13NI-BSRxxL02



DxH(mm): 62x8.5
 FWHM: 25° 40°
 Nichia NF2x757A/ NF2x757D

18 in 1 ▼

LL18NI-BEBxxL02



DxH(mm): 73.4x8.5
 FWHM: 25° 40°
 Nichia NF2x757A/ NF2x757D

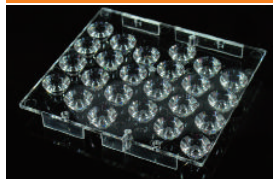
LL18NI-BSRxxL02



DxH(mm): 73.4x8.5
 FWHM: 25° 40°
 Nichia NF2x757A/ NF2x757D

24 in 1 ▼

LL24CR-VExxL02



DxWxH(mm): 99x90x10.3
 Full angle: 15°
 Cree XPE/ XPG

LL24CR-PFxxL02



DxWxH(mm): 113.6x76x9
 Full angle: 15°
 Cree XPE/ XPG

36 in 1 ▼

LL36ED-AAxxL06



DxH(mm): 140x12.6
 Full angle: 15° 25° 45°
 Edison 1LA5

60 in 1 ▼

LL60ED-BOxxL06



DxH(mm): 180x13.1
 Full angle: 25°
 Edison 1LA5
 Seoul A4



Street Lighting

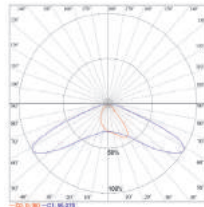
LL01LU-NI75140L02

Illuminance Asymmetrical



LxWxH(mm): 15.7x14x5.8
FWHM : 75°x140°

(Type I ,Short)

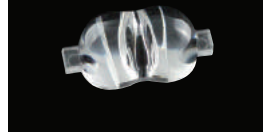


LED:

Cree XPE2/XPG2/XBH /XHP35-HD(HI)
Lumileds Rebel
Samsung LH351A/B/ Z
LGInnotek H35C1

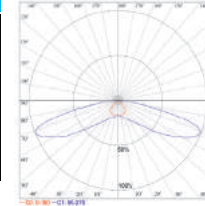
LL01CR-OG85150L02

Illuminance Symmetrical



LxWxH(mm): 18x8.95x6.2
FWHM : 85°x150°

(Type II ,Medium)



LED:

Cree XPE/ XPG2/ XBD
Lumileds Rebel/ Rebel ES
Nichia NVS19A/B
Osram Oslon Square
Samsung LH351A/B/ Z

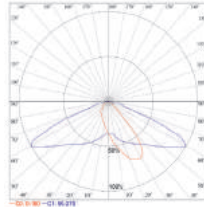
LL01OS-AU60140L02

Illuminance Asymmetrical



LxWxH(mm): 16x8.8x5.3
FWHM : 60°x140°

(Type I ,Short)



LED:

Cree XPE2/ XPG2/ XBH/ XPL-HD/ XHP35-HI
Lumileds Luxeon A/T
Nichia NVS19B/ 757A(D)
Osram Oslon SSL80
Samsung LH351A/ B/ Z
LGInnotek H35C1
Seoul MJT2525/Z8Y15/19

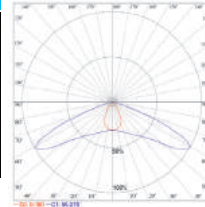
LL01CR-FT60135L02

Illuminance Symmetrical



LxWxH(mm): 18x9.3x5.9
FWHM : 60°x135°

(Type I ,Very Short)



LED:

Cree XPE2/ XPG2/ XBD/ XBH /XHP35-HI
Lumileds Rebel/ Rebel ES/ Luxeon A/T
Nichia NCS19A/ NVS19A/B
Osram OslonSSL80/ Square
Samsung LH351A/ B/ Z
LGInnotek H35A/H35C1
Seoul MJT2525/ 3030/ 4040/ 5050

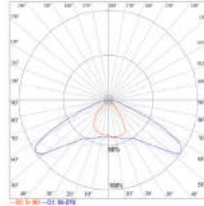
LL01CR-OW70130L02

Illuminance Asymmetrical



LxWxH(mm): 17.4x12.75x7.2
FWHM : 70°x130°

(Type I ,Short)



LED:

Cree XPE2/ XPG2/ XBD/ XTE/ XBH /XPL-HD/XHP35-HD (HI)
Lumileds Luxeon T/ Rebel
LGInnotek H35A/H35C1
Edison Federal 3045
Osram Oslon SSL80/ 150/ Square / Ostar
Nichia NCS19A/NVS19A(B)/757A(D) /383
Samsung LH351A/ B/ Z
Seoul MJT2525/3030/4040/5050/ Z8Y15/19

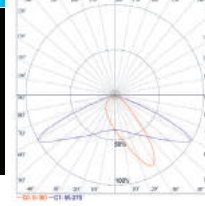
LL01CR-AU85135L02

Illuminance Asymmetrical



LxWxH(mm): 18x10.2x6.1
FWHM : 80°x135°

(Type I ,Short)



LED:

Cree XPE2/ XPG2/ XBD/ XBH /XHP35-HI
Lumileds Rebel/ Rebel ES/ Luxeon A/T
Edison Federal 3045
Nichia NCS19A/ NVS19A(B)/ 757A/D
Osram OslonSSL80/ 150/ Square
Samsung LH351A/ B/ Z
LGInnotek H35A/ H35C1
Seoul MJT2525/ 3030/ 4040 / Z8Y15/19

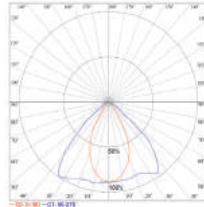
LL01CR-KM6090L02

Illuminance Symmetrical



LxWxH(mm): 17.55x11.6x8.6
FWHM : 60°x90°

(Type I ,Very Short)



LED:

Cree XPE2/ XPG2/ XBH/XHP35- HI
Lumileds Rebel/ Rebel ES/ Luxeon A
Edison Federal 3045
Nichia NCS19A/ NVS19A/B/ 757A/D
Samsung LH351A/ B/ Z
LGInnotek H35A/ H35C1
Osram Oslon SSL80/Square /Duris S8
Seoul MJT2525/ 3030/ 4040/5050 / Z8Y15/19

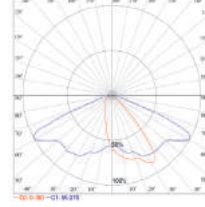
LL01LU-UQ70140L02

Brightness Illuminance Asymmetrical



LxWxH(mm): 18x11x6.6
FWHM : 70°x140°

(Type I ,Short)



LED:

Cree XPE2(G2)/ XBD/XBH/XTE /XPL-HD/XHP35-HD(HI)
Lumileds Rebel/ Rebel ES
Nichia NVS19B/ 757A/D
Samsung LH351A/ B/ Z
Osram Duris S8
LGInnotek H35C1
Seoul MJT4040/5050/ Z8Y15/19

LL01CR-BAJ85135L02

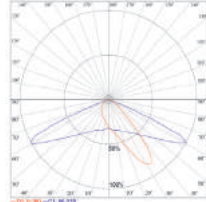
Illuminance Asymmetrical



Tape available

LxWxH(mm): 18x12.5x6.1
FWHM : 85°x135°

(Type I ,Short)



LED:

Cree XPE2/ XPG2/ XBD/ XBH
/XHP35-HI
Lumileds Luxeon T
Nichia NVS19B/ 757A/D
Samsung LH351A/ B/ Z
LGInnotek H35C1
Seoul MJT2525/ 3030/ 4040

LL01LU-AIK45135L02

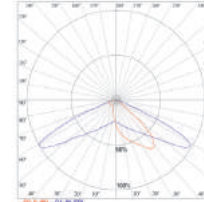
Illuminance Asymmetrical



Tape available

LxWxH(mm): 18x12.5x7.05
FWHM : 45°x135°

(Type II ,Short)



LED:

Cree XPG2/ XBH/ XPL-HD
/XHP35-HD(HI)
Lumileds Rebel(ES)/Luxeon T
Nichia NCS19A/ NVS19A/B
LGInnotek H35C1
Samsung LH351A/ B/ Z
Seoul MJT2525/ 3030/ 4040
/Z8Y15/19

LL01LU-AEV50150L02

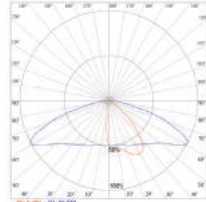
Brightness Asymmetrical



Tape available

LxWxH(mm): 18x12.5x6.3
FWHM : 50°x150°

(Type II ,Short)



LED:

Cree XPG/XHP35-HI
Lumileds Rebel ES/LuxeonA/T
Nichia NVS19B
Seoul MJT4040

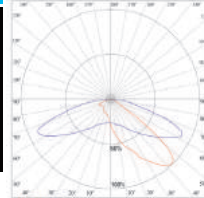
LL01ED-AU40130L02

Illuminance Asymmetrical



LxWxH(mm): 18.95x14.8x8.25
FWHM : 40°x130°

(Type II ,Short)



LED:

Edison 1LA5

LL01CR-APM80150L02

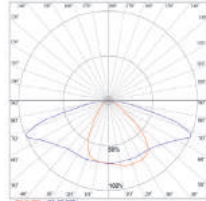
Brightness Asymmetrical



Tape available

LxWxH(mm): 18x12.5x6.95
FWHM : 80°x150°

(Type II ,Short)



LED:

Cree XPG2/ XBD/ XTE/ XBH/MHB
/XPL-HD/XHP35-HD(HI)
Lumileds Rebel /Luxeon T
Nichia NVS19A
Osram Osram SSL80/Square
/Duris S8
Samsung LH351A/ B/ Z
LGInnotek H35C1
Seoul MJT2525/ 3030/ 4040/5050
/Z8Y15/19

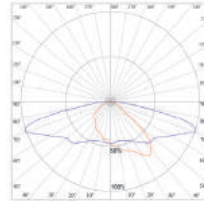
LL01ED-ZP55140L02

Brightness Asymmetrical



LxWxH(mm): 19.15x10.8x9.4
FWHM : 55°x140°

(Type II ,Short)



LED:

Edison 1LA5

LL01ZZ-AGX45155L02

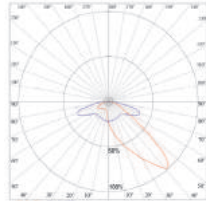
Brightness Asymmetrical



Tape available

LxWxH(mm): 18x12.5x7
FWHM : 70°x135°

(Type III ,Short)



LED:

Cree XPE2(G2)/XBH/XHP35-HI
Lumileds Rebel(ES)/Luxeon A/T
Nichia NCS19A/ NVS19A
Samsung LH351A/ B/ Z
LGInnotek H35A/ H35C1
Seoul MJT2525/3030/Z8Y15/19

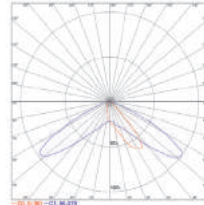
LL01ED-LP70130L02

Illuminance Asymmetrical



LxWxH(mm): 20x11.7x6.9
FWHM : 70°x130°

(Type II ,Short)



LED:

Edison 1LA5

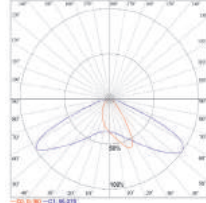
LL01GX-JR60130L02

Illuminance Brightness Asymmetrical



LxWxH(mm): 21x11x9.3
FWHM : 60°x130°

(Type I ,Short)



LED:
Edison 1LA5

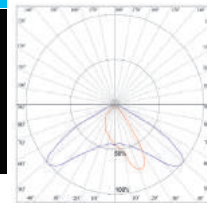
LL01SH-AU75135L02

Illuminance Symmetrical



LxWxH(mm): 24x13.2x9.6
FWHM : 75°x135°

(Type II ,Short)



LED:
Edison 1LA5

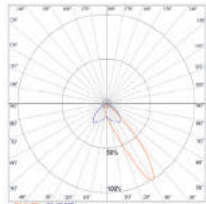
LL01CR-AEC30140L02

Illuminance Asymmetrical



LxWxH(mm): 22x19x10
FWHM : 30°x140°

(Type I ,Short)



LED:
Cree XML-2

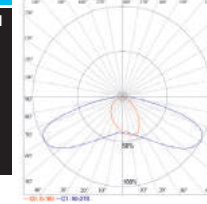
LL01SX-ADD60135L02

Brightness Illuminance Asymmetrical



LxWxH(mm): 25.7x16.3x11.4
FWHM : 60°x135°

(Type II ,Short)



LED:
Cree MHB
Samsung LH934A

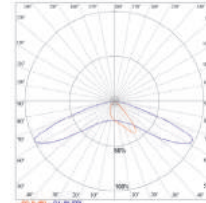
LL01CR-PB70140L02

Illuminance Asymmetrical



LxWxH(mm): 22.4x11.4x6.9
FWHM : 70°x140°

(Type I ,Short)



LED:
Cree XPE2/XPG2/XTE/XBD/XBH
/XPL-HD/XHP35-HD(HI)
Nichia NVS19B
LGInnotek H35A/ H35C1
Osram Oslon Square
Samsung LH351A/ B/ Z
Seoul MJT2525/ 3030/ 4040
/Z8Y15/19

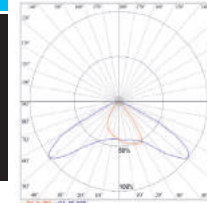
LL01CR-DL70130L02

Illuminance Asymmetrical Tunnel



LxWxH(mm): 26x12.7x8.65
FWHM : 70°x130°

(Type I ,Short)



LED:
Cree XPE/ XPG/ XML2/ XPL-HD

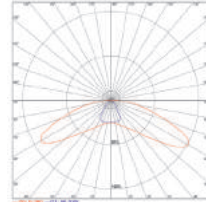
LL01ED-AU70135L02

Illuminance Symmetrical



LxWxH(mm): 24x12.3x9.2
FWHM : 70°x135°

(Type II ,Short)



LED:
Edison 1LA5

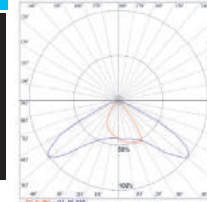
LL01CR-DL90120L02

Illuminance Asymmetrical Tunnel



LxWxH(mm): 26x15.8x9.15
FWHM : 90°x120°

(Type I ,Short)



LED:
Cree XPE/ XPG/ XML2/ XPL-HD
LGInnotek H35C1
Osram Ostar

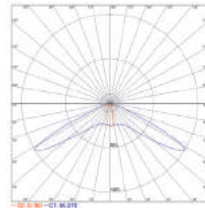
LL01ED-AU50130L02

Illuminance Symmetrical



LxWxH(mm): 30x11x11.4
FWHM : 50°x130°

(Type II ,Short)



LED:
Edison 1LA5

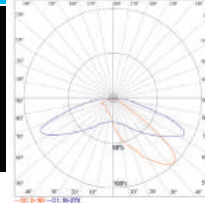
LL01ED-AU40130L02

Illuminance Asymmetrical



LxWxH(mm): 18.95x14.8x8.25
FWHM : 40°x130°

(Type II ,Short)



LED:
Edison 1LA5

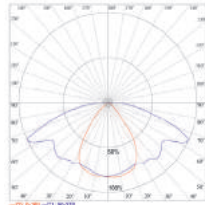
LL01OS-AU60130L02

Brightness Illuminance Symmetrical



LxWxH(mm): 30.1x14.3x8.5
FWHM : 60°x130°

(Type I ,Short)



LED:
Cree XPE2/ XPG/ XBH/ MX3(6)/
/XPL-HD/XHP35-HD(HI)
Lumileds Luxeon T
Nichia NCS19A/ NVS19A/B
/183A/757A/D
Osram DurisS8
Samsung LH351A/B/ Z
LGInnotek H35C1

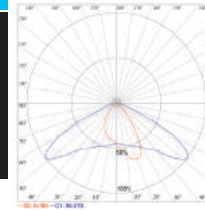
LL01ED-AU70120L02

Illuminance Asymmetrical



LxWxH(mm): 94x42x28.4
FWHM : 70°x120°

(Type I ,Short)



LED:
Cree CXA25xx
Lextar PB20/30/40
Bridgelux Vero10/18/29

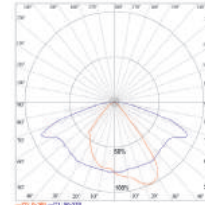
LL01CR-XW70140L02

Brightness Asymmetrical



LxWxH(mm): 32x17.6x9.8
FWHM : 70°x140°

(Type I ,Short)



LED:
Cree XPL-HD/XM-L2(EZW)/MHB
MK-R2/MT-G2/XHP50(70)
Lumileds Luxeon M
Nichia NS9x383
LGInnotek H35C1
Osram Ostar/Duris S8

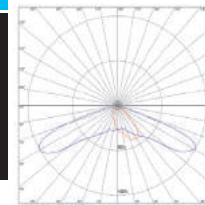
LL04LZ-NO85140L02

Illuminance Asymmetrical



LxWxH(mm): 160x25x9.55
FWHM : 85°x140°

(Type II ,Short)



LED:
Edison 1LA5

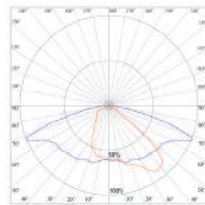
LL01LU-AGV80150L02

Brightness Asymmetrical



LxWxH(mm): 32x18.5x9.5
FWHM : 80°x150°

(Type II ,Short)



LED:
Cree XPL-HD/XM-L2(EZW)
/MK-R2/XHP50(70)
Lumileds Luxeon M/ MZ
Nichia NS9x383
Osram Ostar/Duris S8

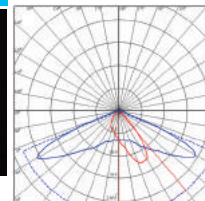
LL04CR-CGM85135L02

Illuminance Asymmetrical



LxWxH(mm): 50x50x6.9
FWHM : 85°x135°

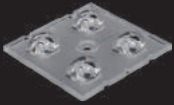
(Type II ,Short)



LED:
Cree XP-E2/XP-G2/XT-E/
XPL-HD/XHP35-HD
Osram Square

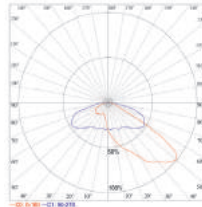
LL04CR-BXJ45155L02

Brightness Asymmetrical



LxWxH(mm): 50x50x6.95
FWHM : 45°x155°

(Type III ,Short)



LED:

Cree XPE2(G2)/XBH/XPL-HI
Lumileds Rebel / Rebel ES
Luxeon A(T)
Nichia NVS19A(B) / NCS19A
Samsung LH351A/B/ Z
LGInnotek H35A/ H35C1
Seoul MJT2525/ 3030/ 4040
Z5M1/M2

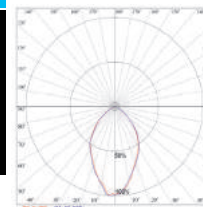
LL04CR-BXJ60L02

Brightness Asymmetrical



LxWxH(mm): 50x50x7.3
FWHM : 60°

(Type V ,Short)



LED:

Cree XP-E2/XBD/XPL-HD/
XHP35-HD/MHB/MHD
Lumileds Luxeon T
Seoul Z5M1/M2
Osram Oslon 80/Square

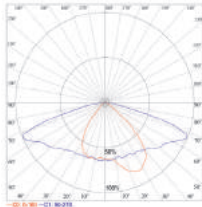
LL04CR-BXJ80150L02

Brightness Asymmetrical



LxWxH(mm): 50x50x7.05
FWHM : 80°x150°

(Type II ,Short)



LED:

Cree XPE2(G2)/ XTE/ XBD/XBH/
XPL-HD/XHP35-HD(HI)
Lumileds Rebel/Luxeon T
Osram Oslon SSL80/Square
/Duris S8
Samsung LH351A/ B/ Z
Seoul MJT2525/ 3030/ 4040/ 5050
Nichia NVS19A(B)

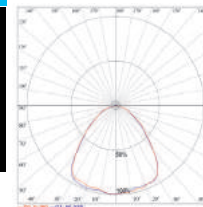
LL04CR-BXJ90L02

Brightness Asymmetrical



LxWxH(mm): 50x50x7.3
FWHM : 90°

(Type V ,Short)



LED:

Cree XP-E2/XBD/XPL-HD/
XHP35-HD/MHB/MHD
Lumileds Luxeon T
Nichia 757A(D)
Osram Oslon 80/Square
Seoul Z5M1/M2

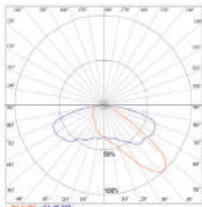
LL04CR-CFN60155L02

Brightness Asymmetrical



LxWxH(mm): 50x50x7.3
FWHM : 60°x155°

(Type III ,Medium)



LED:

Cree XP-E2/XP-G2/XPL-HD
XHP35-HD
Lumileds Luxeon T
Seoul Z5M1/M2

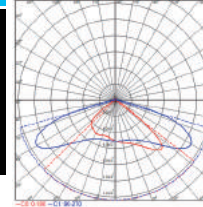
LL12ZZ-CRC45145L19

Brightness Asymmetrical



LxWxH(mm): 50x50x5.3
FWHM : 45°x155°

(Type II ,Short)



LED:

Edison 3030
Lumileds Luxeon3030
Nichia 757D
Osram Oslon square

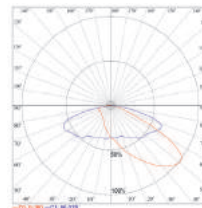
LL04CR-CFN35155L02

Brightness Asymmetrical



LxWxH(mm): 50x50x6.5
FWHM : 35°x155°

(Type II ,Medium)



LED:

Cree XP-E2/XP-G2/XPL-HD
XHP35-HD
Lumileds Luxeon T

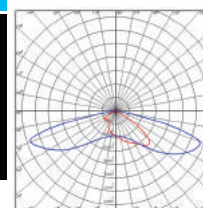
LL12ZZ-CRC45155L19

Brightness Asymmetrical



LxWxH(mm): 50x50x5.3
FWHM : 45°x155°

(Type II ,Medium)



LED:

Edison 3030
Lumileds Luxeon3030
Nichia 757D
Osram Oslon square

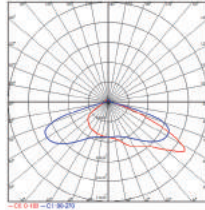
LL12ZZ-CRC60145L19

Brightness Asymmetrical



LxWxH(mm): 50x50x4.9
FWHM : 60x145°

(Type III ,Short)



LED:

Edison 3030
Lumileds Luxeon3030
Nichia 757D
Osram Oslon square

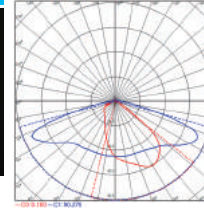
LL12CR-CUQ60145L02

Brightness Asymmetrical



LxWxH(mm): 173x71.4x7.7
FWHM : 60x145°

(Type II ,Short)



LED:

Cree XHP35-HD / XPL-HD

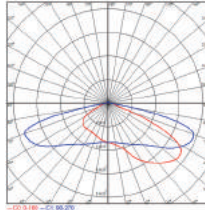
LL12ZZ-CRC60155L19

Brightness Asymmetrical



LxWxH(mm): 50x50x5.1
FWHM : 60x145°

(Type III ,Medium)



LED:

Edison 3030
Lumileds Luxeon3030
Nichia 757D
Osram Oslon square

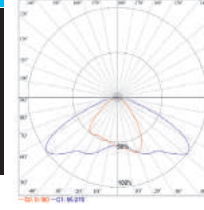
LL14LU-ALY90130L19

Brightness Illuminance Asymmetrical



LxWxH(mm): 250x60x9.3
FWHM : 90°x130°

(Type I ,Short)



LED:

Cree XPL-HD
Lumileds Rebel ES/Luxeon T
Nichia NVS19B/757A(D)
Seoul Z5M1/M2/Z8Y15/19

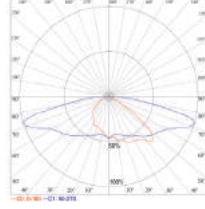
LL12ED-VT85160L02

Brightness Asymmetrical



LxWxH(mm): 158x50x9.4
FWHM : 85°x160°

(Type III ,Short)



LED:

Cree MHB
Edison 1LA5
Nichia NVS19A

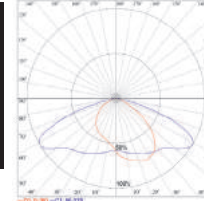
LL14CR-AOC65150L02

Brightness Illuminance Asymmetrical



LxWxH(mm): 260x80.2x11.7
FWHM : 65°x150°

(Type II ,Short)



LED:

Cree XTE/ XPL-HD/MHB
Lumileds Luxeon T
Osram Oslon SSL 80/150
/Square
Seoul Z5M1/M2

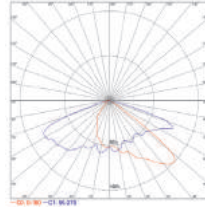
LL12OS-EL50130L02

Illuminance Asymmetrical



LxWxH(mm): 158.4x50.3x9.1
FWHM : 50°x130°

(Type I ,Short)



LED:

Cree MX6

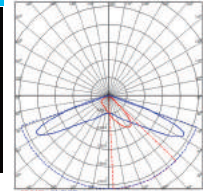
LL16SE-BQL45145L51

Brightness Asymmetrical



LxWxH(mm): 135x112x9.6
FWHM : 45°x145°

(Type I ,Short)



LED:

Seoul MJT3030/ 4040/ 5050

LL18SE-CBZ50150L51

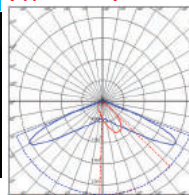
Brightness Asymmetrical



Silicone gasket available
Waterproof Rubber: LL01A0XRVQX2

LxWxH(mm): 199 x 68 x 7.6
FWHM : 50°x150°

(Type I, Short)



LED:

Seoul MJT3030/ 4040/ 5050

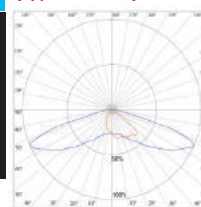
LL24OS-JT110150L02

Illuminance Asymmetrical



LxWxH(mm): 126x110x9
FWHM : 110°x150°

(Type II, Short)



LED:

Lumileds Rebel/ Rebel ES
Nichia NVS19B
Osram Oslon SSL 80/150/Square
Seoul Z5M1/M2

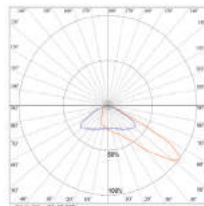
LL20CR-VK60140L02

Illuminance Asymmetrical



LxWxH(mm): 319.3x52.3x14.6
FWHM : 60°x140°

(Type III, Short)



LED:

Cree XPE/ XPG
Lumileds Luxeon T
Osram Oslon SSL80/150/Square
Nichia 757A(D)
Seoul Z5M1/M2/Z8Y15/19

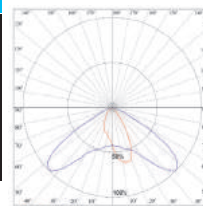
LL24LU-JT60120L02

Illuminance Asymmetrical



LxWxH(mm): 126x110x10.5
FWHM : 60°x120°

(Type II, Short)



LED:

Lumileds Rebel/Rebel ES
/Luxeon T
Nichia NVS19B
Osram Oslon SSL80/150/Square
Seoul Z5M1/M2

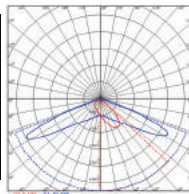
LL22SE-CBZ50150L51

Brightness Asymmetrical



LxWxH(mm): 238 x 68 x 7.6
FWHM : 50°x150°

(Type I, Short)



LED:

Seoul MJT3030/ 4040/ 5050

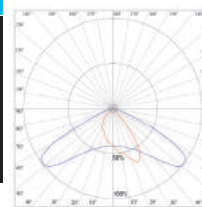
LL24ED-AU75135L02

Illuminance Asymmetrical



LxWxH(mm): 135x112x9.6
FWHM : 75°x135°

(Type I, Very Short)



LED:

Edison 1LA5

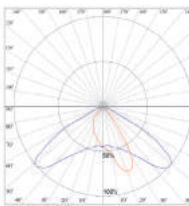
LL24CR-AU75135L02

Illuminance Asymmetrical



LxWxH(mm): 120x100x10.2
FWHM : 75°x135°

(Type I, Very Short)



LED:

Cree XPE/XPG2/XTE/XML/
XBD/XPL-HD
Lumileds Rebel(ES)/ Luxeon A(T)
Nichia NCS19A/NVS19A(B)
/757A(D)
Edison Federal 3045
Osram Oslon SS180/ 150/ Square
LGInnotek H35A
Seoul Z5M1/M2/Z8Y15/19

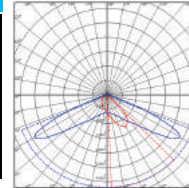
LL28SE-CBZ50150L51

Brightness Asymmetrical



LxWxH(mm): 158.3 x 98.03 x 7.6
FWHM : 50°x150°

(Type I, Short)



LED:

Seoul MJT3030/ 4040/ 5050

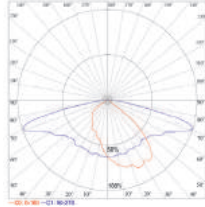
LL28CR-UI65140L14

Illuminance Asymmetrical



LxWxH(mm): 259.2x79.7x12.2
FWHM : 65°x140°

(Type II,Medium)



LED:

Cree XP-E(G2)/XT-E/MHB
/XPL-HD/XM-L2
Lumileds Rebel ES/Luxeon T
Nichia NVS19B/ NS9x383
/757A(D)
Osram Oslon SSL80/150
/ Square
Seoul Z5M1/M2/Z8Y15/19

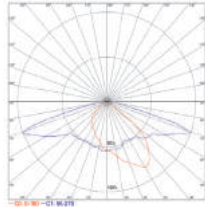
LL28HT-UI65140L14

Illuminance Asymmetrical



LxWxH(mm): 259.2x79.7x12.2
FWHM : 65°x140°

(Type II,Short)



LED:

Edison 1LA5

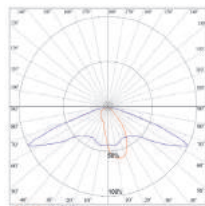
LL30CR-PT60140L02

Brightness Illuminance Asymmetrical



LxWxH(mm): 235x71x9.4
FWHM : 60°x140°

(Type I,Short)



LED:

Cree XPE2/ XPG2/ XTE/MHB
Lumileds Luxeon T
Nichia NVS19B/ NS9x383
Osram Oslon SSL80/150
/Square
LGInnotek H35A
Seoul Z5M1/M2

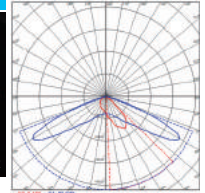
LL36SE-CBZ50150L51

Brightness Asymmetrical



LxWxH(mm): 188 x 98 x 7.6
FWHM : 50°x150°

(Type I,Short)



LED:

Seoul MJT3030/ 4040/ 5050

Silicone gasket available
Waterproof Rubber: LL01A0XRVTX2



Flood Lighting

LL03ED-CO140L11



DxH(mm):50x2.9
Full Angle: 140°
Cree CXA15xx

LL03ED-DA140L11



DxH(mm):50x11.2
Full Angle: 140°
Cree CXA15xx

LL01ED-ANM120L40



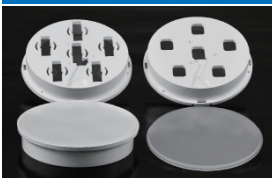
DxH(mm):188.6x10.4
Full Angle: 120°
Nichia 757A

LL01ED-ANQ120L40



DxH(mm):107.5x10
Full Angle: 120°
Nichia 757A

LL06ED-CO140L11-M2



DxH(mm):76x16.2
Full Angle: 140°
Edison 1LA5

LL06ED-DA140L11-M2



DxH(mm):76x28.9
Full Angle: 140°
Edison 1LA5

LL01ED-ANN120L40



DxH(mm):132.6x10.6
Full Angle: 120°
Nichia 757A

LL09ED-CO140L11-M2



DxH(mm):93.9x20.1
Full Angle: 140°
Edison 1LA5

LL09ED-DA140L11-M2



DxH(mm):93.9x35.6
Full Angle: 140°
Edison 1LA5

LL01ED-ANO120L40



DxH(mm):151.85x10.8
Full Angle: 120°
Nichia 757A

LL12ED-CO140L11-M2



DxH(mm):93.9x20.1
Full Angle: 140°
Edison 1LA5

LL12ED-DA140L11-M2



DxH(mm):93.9x35.6
Full Angle: 140°
Edison 1LA5

LL01ED-ANP120L40



DxH(mm):81.5x8
Full Angle: 120°
Nichia 757A



Convex Lens

LL01ED-AW60L06



DxH(mm):16.7x6.7
Full Angle: 60°
All single chip LED.

LL01ED-AV60L06



DxH(mm):22.1x6.8
Full Angle: 60°
All single chip LED.

LL01ED-DP60L06



DxH(mm):22.1x7.6
Full Angle: 60°
All single chip LED.

LL01ED-CC40L06



DxH(mm):22.1x10.5
Full Angle: 40°
All single chip LED.

LL01ED-AQ60R06



DxH(mm):22.5x7.6
Full Angle: 60°
All single chip LED.

LL01ED-AQ60R06-M2



DxH(mm): 26.7x17.8
Full Angle: 60°
Edison 1LA5
Seoul P4

LL01ED-CJ60R06-M2



DxH(mm): 26.7x17.8
Full Angle: 60°
All single chip LED.

LL01ZZ-FS60L06



DxH(mm): 28.8x7.3
Full Angle: 60°
All single chip LED.

LL01OS-DC56L06



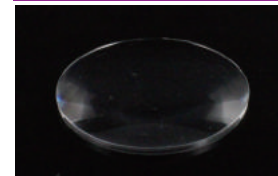
DxH(mm): 37.2x10
Full Angle: 56°
All single chip LED.

LL01OS-BYxxL06



DxH(mm): 37.2x10
Full Angle: 56° 76°
All single chip LED.

LL01CR-BLF60L06



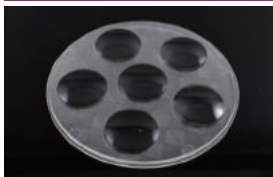
DxH(mm): 50x6.3
Full Angle: 60°
CREE XPE/XPG/XTE NICHIA NCSxx19A
Edison Federal3535 SAMSUNG 3535

LL01ED-AI60L06-M2



DxH(mm): 60x32.5
Full Angle: 60°
All single chip LED.

LL06ED-CD60L06



DxH(mm): 73.2x4.5
Full Angle: 60°
All single chip LED.

LL01GO-CAS10L06



DxH(mm): 25x4.8
FWHM: 10°
All single chip LED.



Architectural
Lighting



Street Lighting



Area Lighting



Commercial
Lighting



Indoor Lighting



Stage Lighting



Automotive
optical

ES-ARRAY

Type	Part Number	DxH(mm)	Degree	Holder
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	

V6

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:45° / FWHM:15° 25°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01CR-BEXxxL06	9.2x6.8	FWHM:25°	
	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-ACAxxL14	29.9x12.1	FWHM:24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:38°	V
Reflector	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:24° 38°	

V8

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:20°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01ED-ACAxxL14	29.9x12.1	FWHM:24° 38°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:38°	V
	LL01ED-ASAxxL02-P	90.6x22	FWHM:12°	
	LL01ED-ASAxxL06-P	90.6x22	FWHM:12°	
Reflector	LL01CT-AYTxxR35-P	75x45	FWHM:15° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:24° 38°	

Vero 29

Type	Part Number	DxH(mm)	Degree	Holder
Street Lighting	LL01ED-AU70120L02	94x42x28	FWHM:70x120° (Asymmetry)	

Vero10

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-ACAxxL14	29.9x12.1	FWHM:24° 38°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:38°	V
	LL01ED-ASAxxL06-P	90.6x22	FWHM:38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
	LL01ZZ-AKVxxR49	50.5x29.5	FWHM:36°	
Reflector	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:24°	
Street Lighting	LL01ED-AU70120L02	94x42x28	FWHM:70x120° (Asymmetry)	

Vero 13

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
	LL01CIOTxxR2-P	50x30	FWHM:33°	
Reflector	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01ZZ-AAAxxL49	70x35	FWHM:24° 38° 55°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	



Vero 18

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:24°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
Reflector	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
Street Lighting	LL01ED-AKAXxR49	85x23.5	FWHM:60°	
	LL01ED-AU70120L02	94x42x28	FWHM:70x120°(Asymmetry)	

CLL010

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:38° 55°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	
	LL01CI-ZNxxL06	44.4x11	Full Angle:25° 40°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
	LL01NI-BNXxxL02	44x14.6	FWHM:38°	
	LL01ZZ-CPRxxL 46	47x8.5	FWHM:24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01CT-AMXxxR49	44x11.8	FWHM:45°	V
	LL01ED-AJMxxR49	35.2x7.8	FWHM:24° 38°	

CLL020/022

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:60°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:38°	
	LL01ZZ-AOFxxL06-M2	74.4x13	FWHM:24° 38°	V
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24° 38°	V
	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CI-ZOxxL06	60x15.2	Full Angle:25° 40°	
	LL01NI-QLxxL06	30x17	Full Angle:25°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01NI-BNXxxL02	44x14.6	FWHM:38°	
	LL01CI-WLxxL02	49.2x9.5	Full Angle:40°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
Reflector	LL01CR-CFExxL02	70x17.5	FWHM:12° 24° 38°	
	LL01ZZ-CPQxxL46	74.4x13	FWHM:24° 38°	
	LL01ZZ-CPRxxL 46	47x8.5	FWHM:24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01CT-ALNxxR49	75.8x20.1	FWHM:30° 42°	V
	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	V
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ED-AKYxxR49	50x30	FWHM:38° 45°	
	LL01ED-ALAXxR49	75x20.1	FWHM:24° 38°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01TJ-AONxxR49	50x20	FWHM:60°	
	LL01ZZ-AAAXxL49	70x35	FWHM:24° 38° 55°	

CITIZEN

CLL030/032



CLL040/042



CLL430



CLU700



CLU710



CLU720



CLL030/032

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-AMYxxL06	75.8x23	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ZZ-AOFxxL06-M2	74.4x13	FWHM:24° 38°	V
	LL01CT-AZNXxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01CT-BZNxxL02-P	88.5x15	FWHM:15°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAXxxL02-P	90.6x22	FWHM:12° 24°	
	LL01ED-ASAXxxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12°15° 24° 38°	
	LL01WT-BSSxxL46	44x12.2	FWHM:32°	
	LL01CI-WLxxL02	49.2x9.5	Full Angle:40°	
	LL01CI-AAKxxL06	68.8x19.25	FWHM:25°	
	LL01CI-ZMxxL06	68.8x19.18	Full Angle:40°	
	LL01CI-WNxxL02	72x12.9	Full Angle:40°	
	LL01CI-WMxxL02	92.5x27.5	Full Angle:40°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
Reflector	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x 50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	V
	LL01CT-ALOxxR49	90.5x23.2	FWHM:24° 38° 55°	V
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	V
	LL01ED-AKAxxR49	85x23.5	FWHM:60°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
	LL01ED-ALAxxR49	75x20.1	FWHM:24° 38°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01ZZ-AAAXxxL49	70x35	FWHM:24° 38° 55°	
	LL01CT-BKYxxR49-BLBxxL51	93x35	FWHM:15° 24° 36° 75°	

CLU700

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	

CLL040/042

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01ED-ABXxxL02	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAXxxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:38°	
Reflector	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01ED-AKAxxR49	85x23.5	FWHM:60°	
	LL01CR-AYMxxR35-P	90x 50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	

CLL430

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:60°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CT-AOFxxL06	74.4x13	FWHM:24° 38°	
	LL01ED-ASAXxxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CT-AJZxxR49	50x19	FWHM:38° 55°	
	LL01CT-ALNXxxR49	75.8x20.1	FWHM:38° 45°	
	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01CT-AYTxR35-P	75x45	FWHM:15° 24° 38°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ED-AKYxxR49	50x30	FWHM:38° 45°	
	LL01ED-ALAXxxR49	75x20.1	FWHM:24° 38°	
	LL01ED-ALIXxxR49	50x19	FWHM:24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 38°	
	LL01TJ-AONxxR49	50x20	FWHM:60°	
	LL01ZZ-AAAXxxL49	70x35	FWHM:24° 38° 55°	

CLU710

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	-
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	

CLU720

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	



CLU028

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-ACAxL14	29.9x12.1	FWHM:24° 38°	
	LL01CR-ABGxxL02	34x15.7	FWHM:55°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01SP-AVAXxxL06	42x9.65	FWHM:40°	
	LL01ZZ-CPQxxL 46	74.4x13	FWHM:24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	

XHP70

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01CR-BGSxxL02	34x15.7	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-CENxxL02	70x17.5	FWHM:12°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24°	
	LL01CR-CHQxxL02	35x10.5	FWHM:38°	
	LL01CR-ZExxxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-PMxxL06	34.5x18.6	Full Angle:25°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ED-AFDxxL06	26x15.5	FWHM:20°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 50°	
	LL01CR-CEWxxL02	50x15	FWHM:12°	
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150°(Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140°(Asymmetry)	

XHP50

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-ADGxxL06-M2	28.8x16.75	FWHM:12° 24° 36°	V
	LL01CR-PVxxL02-M2	45x23.7	Full Angle:45° 60° 80°	V
	LL01CR-WbxxL02-M2	28.8x17.4	Full Angle:25° 40°	V
	LL01CR-ZExxxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-AJxxL06	28.9x19.35	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-BCQxxL06-M1	34.75x19.25	FWHM:15°/15x30°/30°/40°/3050°	V
	LL01ED-PMxxL06	34.5x18.6	Full Angle:25°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:60° 80°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 30° 40° 50° 60°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
6 in 1	LL06ED-BExxxL06	43.9x8.6	Full Angle:25°	
	LL06CR-AXNxxL06-M2	76X13	FWHM:25°	V
	LL06CR-AXMxxL06-M2	76X13	FWHM:15° 25° 35°	V
	LL06CR-AXLxxL06-M2	76X13	FWHM:25°	V
	LL06ED-AExxxL06	73.3x13.5	Full Angle:40°	
	LL06ED-DKxxL06	73.2x13.7	Full Angle:60°	
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150°(Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140°(Asymmetry)	

XBH

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM: 25°	
	LL01CR-ADTxL06	35x10.65	FWHM:30°	
	LL01CR-BDFxxL06-M2	11.8x6.50	FWHM:40° 60°	V
	LL01CR-BEXxxL06-M2	20.9x9.2	FWHM:25° 40° 60°	V
	LL01CR-BNExxL06-M2	19.4x14.6	FWHM:25° 40° 60° 35x70°	V
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01CR-DFxxL06	11.8x6.5	Full Angle:60° 80° 100° 30x65°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-HQxxL06	14.8x9.5	Full Angle:30° 40° 60° 80°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:17° 25° 40° 60° 80° 10x45° 25x45°	
	LL01CR-OTxxL06	15x9.6	Full Angle:40° 60° 80°	
	LL01CR-WLxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.5x18.8	Full Angle:40°	
	LL01ED-ANxxL06	22.6x9.6	Full Angle:15x50°	
	LL01ED-ASxxR06	19.9x10.6	Full Angle:38°	
	LL01ED-ASxxL06	19.9x10.6	Full Angle:60°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01NI-ANExxL02	19.4x15	FWHM:10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:25° 40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25° 40° 60°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-EXxxL06	21x9.1	Full Angle:25° 40° 60° 30x65°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 40° 60° 30x65°	
	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60° 25x45°	
	LL01OS-AFCxxL06	19.4x11.43	FWHM10°	

XPL-HI

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM: 25°	
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60° 30x70°	
	LL01OS-BDFxxL06	11.8x6.45	FWHM:25°	
	LL01CR-DFxxL06	11.8X6.5	Full Angle:80° 100° 30x65°	
	LL01CR-HQxxL06	14.8x9.5	Full Angle:30° 40° 60° 80°	
	LL01NI-BYKxxL19	16x8	Full Angle:20° 30° 40° 60° 25x45°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43	FWHM:10° 15° 25° 30° 50°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-BNExxL06	19.4x14.6	Full Angle:25° 40° 60° 35x70°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:15° 17° 25° 40° 60° 80° 10x45° 25x45°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15 ° 25° 30° 10x40°	
	LL01CR-BEXxxL06	20.9x9.2	Full Angle:25° 40° 60°	
	LL01ZZ-EXxxL06	21x9.15	Full Angle:10° 25° 40° 60° 30x65°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 70°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25° 40° 60° 30x65°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	4 in 1	LL01CR-BLUxxL06	35x20	FWHM:3°
LL01ED-CTxxL06		31x11.2	Full Angle:38° 80°	
LL01ZZ-AHAxxL06		50x25.4	FWHM:5°	
LL04CR-CECxxL06		50x8.5	FWHM:25° 50°	
Street Lighting	LL04CR-CECxxL06	50x9.96	FWHM:9°	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
Reflector	LL01CR-YNxxL08-P	19x15.3	FWHM:10°	

XPL-HD

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:45°	V
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:25° 10x35° 15x30°	V
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45°	
	LL01NI-UDxxL02-M2	21.4x15.8	FWHM:10° 20° 30° 55°	V
	LL01CR-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01ED-AOxxL06	19.4x13.45	Full Angle:60° 80°	
	LL01NI-NExxL06-M2	21.4x15.8	Full Angle:10x45° 25x45° 25° 60° 80°	V
	LL01CR-SQxxL06	19.4x12.6	Full Angle:40° 60° 80°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 60° 80° 100°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:25° 40° 60° 80°	
	LL01CR-QGxxL06-M2	21.1x12.4	Full Angle:15° 45°	V
	LL01CR-BRxx06	19.65x12.5	Full Angle:30° 40° 10x45° 15x50° 15x80° 40x90°	
	LL01ED-ALxxL06	19.7x9.9	Full Angle:30x65°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01OS-AXxxL02	20x11.5	Full Angle:20° 40° 60°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 10x40°	
	LL01CR-BEExxxL06-M2	22.4x9.13	FWHM:40°	V
	LL01ZZ-EXxxL06-M2	22.4x9.63	Full Angle:40° 60° 30x65°	V
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-AHZxxL02	22.2x10.6	FWHM:24° 38°	
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AQxxL06	22.5x10.45	Full Angle:40°	
	LL01ED-ANxxL06	22.7x9.6	Full Angle:15x50°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:10° 30° 45° 30x65°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01ED-AJxxL06	28.9x19.35	Full Angle:25° 40° 60°	
	LL01ED-ACAxL14	29.9x12.1	FWHM:38°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01CR-AAxxL06-M2	21x11.4	Full Angle:20x65°	V
	LL01ED-FM38L06	19.9x10.55	Full Angle:38°	
	LL01LU-LHxxL06	21x9.15	Full Angle:15°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ADTxxL06	35x10.65	FWHM:30°	
	LL01CR-AVCxxL06	28.8x15.95	FWHM:30°	
	LL01NI-BYKxxL19	16x8	FWHM:20°	
	LL01CR-CAXxxL06	20.5x20.5	FWHM:10x90° 25x90°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30° 55°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:15° 17° 25° 40° 60° 80° 10x45° 25x45°	
	LL01ED-CVxxL02	19.6x12.3	Full Angle:15° 45°	
	LL01CR-BLUxxL06	35x20	FWHM:3°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	
	LL04CR-CECxxL06	50x8.5	FWHM:25° 50°	
4 in 1	LL06ED-BExxL06	43.9x8.6	Full Angle:25°	
	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
Street Lighting	LL01CR-DL70130L02	26x12.7x8.65	FWHM:70x130° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM:90x120° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL04CR-GM85135L02	50x50x6.9	FWHM:85x135° (Asymmetry)	
	LL04CR-CFN35155L02	50x50x6.5	FWHM:35x155° (Asymmetry)	
	LL04CR-CFN60155L02	50x50x7.3	FWHM:60x155° (Asymmetry)	
	LL04CR-BXJxxL02	50x50x7.3	FWHM:60° 90° (Symmetry)	
	LL14CR-AOC65150L02	260x80.2x11.7	FWHM:65x150° (Asymmetry)	
	LL14LU-ALY90130L19	250x60x9.3	FWHM:90x130° (Asymmetry)	
	LL20CR-VK60140L02	319.3x52.3x14.6	FWHM:60°x140° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	



MHB

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 44°	
	LL01NI-DZxxL06	22x15.7	Full Angle:20x40°	
	LL01CR-BEXxxL06	9.2x6.8	FWHM:25°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 30° 40° 50°	
	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:25° 40°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01CR-BCQxxL06-M1	38.1x20.9	FWHM:15° 15x30°	V
	LL01ED-PMxxL06	34.5x18.6	Full Angle:25° 45°	
	LL01ZZ-AFLxxL02	22.2x10.4	Full Angle:35° 50° 70°	
	LL01ZZ-EXxxL06	20.9x9.2	Full Angle:25°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 60°	
	LL01CR-PVxxL02-M2	47.2x25.65	Full Angle:45° 60° 80°	V
	LL01ED-AYxxL06-M2	46x27.1	Full Angle: 38° / FWHM:10°	V
	LL01ED-FGxxL06-M2	46x27.1	Full Angle:38° / FWHM:10°	V
36 in 1	LL36ED-AAxxL06	140x12.6	Full Angle:15° 45°	
60 in 1	LL60ED-BOxxL06	180x13.1	Full Angle:25°	
Street Lighting	LL01OS-EL85135L02	20.3x12.7x7.4	FWHM:85x135° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM:90x120° (Asymmetry)	
	LL01CR-DL70130L02	26x12.7x8.65	FWHM:70x130° (Asymmetry)	
	LL01SX-ADD60135L02	25.7x16.3x11.4	FWHM:60x135° (Asymmetry)	
	LL04CR-BXJ60L02	50x50x7.3	FWHM:60° 90° (Symmetry)	
	LL12OS-EL50130L02	158.4x50.3x9.1	FWHM:50x130° (Asymmetry)	
	LL12ED-VT85160L02	158x50x9.4	FWHM:85x150° (Asymmetry)	
	LL14CR-AOC65150L02	260x80.2x11.7	FWHM:65x150° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL24OS-JT110150L02	126x110x9	FWHM:110x150° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	

MHD

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50° 70°	
	LL01ED-ACAxxL14	29.9x12	FWHM:24° 38°	
	LL01CR-ABGxxL02	34x15.7	FWHM:55°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-PVxxL02-M2	47.2x25.65	Full Angle:45° 60° 80°	V
	LL01ZZ-CPQxxL46	74.4x13	FWHM:24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12°	
	LL01ED-ASAxxL06-P	90.6x22	FWHM:12° 24° 38°	

MHD

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01NI-QlxxL06	30x17	FWHM:25°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01ED-AYxxL06-M2	46x27.1	Full Angle:38° / FWHM:10°	V
	LL01ED-FGxxL06-M2	46x27.1	Full Angle:38° / FWHM:10°	V
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
Street Lighting	LL01SX-ADD60135L02	25.7x16.3x11.4	FWHM:60x135° (Asymmetry)	
Reflector	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01ED-ALlxxR49	50x19	FWHM:24° 38° 55°	

XP-E / XP-E2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34 x 15.7	FWHM:24°	
	LL01CR-ACZxxL02	27.8 x 10.2	FWHM:24° 38°	
	LL01CR-CRxxL06-M2	13.55x7.25	Full Angle:40° 60°	V
	LL01CR-BEXxxL06	20.9 x 9.2	Full Angle:40° 60°	
	LL01CR-BNExxxL06	19.4 x 14.6	Full Angle:40° 60° 35x70°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60°	
	LL01CR-DFxxL02-M2	13.5 x 7.35	Full Angle:25° 40° 80° 100° 30x65°	V
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01CR-HQxxL06-M2	16 x 10.3	Full Angle:15° 25° 30° 40° 60° 80° 25x45°	V
	LL01CR-NExxxL06-M2	23.5 x 15.8	Full Angle:15° 17° 25° 40° 60° 80° 10x45° 25x45°	V
	LL01CR-OTxxL06-M2	16.6x 10.45	Full Angle:32° 40° 60° 80°	V
	LL01CR-SQxxL06	19.4 x 12.9	Full Angle:40° 60°	
	LL01CR-WlxxL02	28.8 x 16.7	FWHM:15° 25° 40°	
	LL01CR-YJxxL02	19.4 x 12.6	Full Angle:40° 60°	
	LL01ED-ACZxxL02	35 x 10.7	FWHM:24° 38°	
	LL01ED-AJxxL06	28.9 x 19.7	Full Angle:25° 40° 60°	
	LL01ED-ALxxL06	19.65 x 11.4	Full Angle:15° 30x65°	
	LL01ED-ANxxL06	22.7 x 9.6	Full Angle:15°x50°	
	LL01ED-CTxxL06	31 x 11.2	Full Angle:38° 80°	
	LL01CR-AFCxxL06-M2	21.3 x 12.4	FWHM:10° 15° 25° 30° 10x35° 15x30°	V
	LL01CR-AAFxxL02-M2	13.5 x 7.35	FWHM:25°	V
	LL01NI-ANExxxL02-M2	23.5 x 15.8	FWHM:10° 20° 30°	V
	LL01NI-GRxxL06	19.45 x 13.5	Full Angle:25° 40° 60° 80°	
	LL01OS-AXxxL02	20 x 11.5	Full Angle:20° 40° 60°	
	LL01OS-MQxxL02	19.45 x 13.7	Full Angle:25° 40° 60°	
	LL01ZZ-EXxxL06-M2	22.4 x 9.7	Full Angle:10° 25° 40° 60° 30x65° 30x85°	V
	LL01XP-FLxxL06-M2	24.3 x 11.5	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01LU-AAxxL06	19.7 x 13.8	Full Angle:20°x65°	
	LL01LU-LHxxL06	21 x 9.15	Full Angle:15°	
	LL01ZZ-AHAxxL06	50 x 25.4	FWHM:5°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	

XP-E / XP-E2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:40°	
	LL01ED-AQxxL06	22.5x10.45	Full Angle:40°	
	LL01ED-AFDxxL06	26x15.3	Full Angle:20°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:10° 30° 45°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20°	
	LL01CR-FYxxL06	19.4x13.45	Full Angle:80°	
	LL01ED-BVxxL06	19.9x10.7	Full Angle:60°	
	LL01CR-ADTxL06	35x10.65	FWHM:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01OS-CBxxL06	25.6x10	FWHM:15°	
	LL01CR-AVCxxL	28.8 x 15.95	FWHM:30°	V
	LL01CR-ADlxxL06	20 x 18.5	FWHM:10°	
	LL01OS-BFVxxL06	20.8 x 12.35	FWHM:15° 25° 30° 10x40°	
3 in 1	LL01CR-BLUxxL06	35 x 20	FWHM:3°	
	LL01CR-CAXxxL06	20.5x20.5	FWHM:10x90° 25x90°	
	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60° 25x45°	
	LL01CR-CRlxxL02-M2	22x13.15	FWHM:10x55°	V
	LL03CR-AZxxL06	50 x 14.5	Full Angle:25° 45° 60°	
	LL03CR-RXxxL06	35 x 9.6	Full Angle:25° 40° 60°	
	LL03ED-AZxxL06	50.5 x 13	Full Angle:45°	
	LL03ED-UYxxL06	33.2 x 10.3	Full Angle:40°	
	LL03LU-DMxxL06	23.1 x 11	FWHM:15° 25° 40°	
	LL03LU-DOxxL06	35 x 10.6	FWHM:15° 25° 40°	
	LL03OS-GKxxL06	33.2 x 9.8	Full Angle:25° 40° 60°	
	LL04CR-ABDxxL06	22 x 6.7	FWHM:24° 36°	
	LL04CR-GPxxL06	22.2 x 6.7	Full Angle:25° 38° 45°	
	LL04CR-RXxxL06	35 x 9.7	Full Angle:25° 40° 60°	
	LL04CR-CECxxL06	50x8.5	FWHM:25°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	
4 in 1	LL04ED-UYxxL06	37 x 10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4 x 10.5	FWHM:15° 25° 40°	
	LL04LU-DOxxL06	35 x 10.4	FWHM:15° 25° 40°	
	LL04LU-GPxxL06	22.2 x 6.8	Full Angle:45°	
	LL04ED-EXxxL06	25.4 x 10.4	Full Angle:60°	
	LL04ZZ-EXxxL06	25.4 x 10.4	Full Angle:30°	
	LL05CR-FRxxL06	35.8 x 6.5	Full Angle:25° 40° 60°	
	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
	LL06CR-AXNxxL06-M2	76 x 13	FWHM:25°	V
	LL06CR-RXxxL06	50 x 9.65	Full Angle:25° 40° 60°	
	LL06ED-ADxxL06	73.3 x 11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76 x 13	FWHM:15° 25° 35°	V
	LL06CY-TTxxL06	73.3 x 16	Full Angle:45°	
	LL06CR-AXLxxL06-M2	76 x 13	FWHM:25°	V

Type	Part Number	DxH(mm)	Degree	Holder
7 in 1	LL07CR-FRxxL06	35.8 x 6.5	Full Angle:25° 40° 60°	
	LL07CR-RXxxL06	50 x 10.3	Full Angle:40° 60°	
	LL07ED-UYxxL06	47 x10.3	Full Angle:40°	
	LL07ZZ-FUxxL06	50.35 x 10.7	FWHM:15° 25°	
	LL07ZZ-FVxxL06	39.2 x 10.6	FWHM:15° 25°	
9 in 1	LL09CR-FRxxL06	45 x 7	Full Angle:25° 40° 60°	
	LL09CR-RXxxL06	70 x 10.3	Full Angle:40° 60°	
	LL09ED-UYxxL06	67 x 10.3	Full Angle:40°	
	LL09CY-TTxxL06	90.6 x 18.8	Full Angle:45°	
12 in 1	LL12CR-FRxxL06	45 x 7	Full Angle:25° 40° 60°	
	LL12CR-RXxxL06	70 x 10.3	Full Angle:40° 60°	
	LL12ED-UYxxL06	67 x 10.3	Full Angle:40°	
	LL12OS-GKxxL06	67 x 9.8	Full Angle:40° 60°	
24 in 1	LL24CR-PFxxL02	113.6x76 x 9	Full Angle:15°	
	LL24CR-VExxL02	99x90x10.3	Full Angle:15°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-DL70130L02	26x12.7x8.65	FWHM:70x130° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM:90x120° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x135° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-NI75140L02	15.7 x 14 x 5.8	FWHM:75x140° (Asymmetry)	
	LL01LU-UQ70140L02	18 x 11 x 6.6	FWHM:70x140° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-CGM85135L02	50x50x6.9	FWHM:85x135° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80 x150° (Asymmetry)	
	LL04CR-BXJxxL02	50x50x7.3	FWHM:60° 90° (Symmetry)	
	LL12ZZ-CRCxxL19	50x50x5.3	FWHM:45x145° 45x155° 60x145° 60x155° (Asymmetry)	
	LL20CR-VK60140L02	319.3x52.3x14.6	FWHM:60x140° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	
Reflector	LL01CR-YNxxL08-P	19x15.3	FWHM:10° 20°	



XP-E



XP-E2





XP-G



XP-G2



XP-G/XP-G2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BEXxL06	20.9 x 9.2	Full Angle:25° 40° 60°	
	LL01CR-BRxxL06	19.65 x 12.5	Full Angle:40° 15x80° 40x90°	
	LL01CR-DFxxL02-M2	13.5x7.35	Full Angle:25° 40° 60° 80° 100° 30x65°	V
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01CR-HQxxL06-M2	16x10.3	Full Angle:15° 25° 30° 40° 60° 80° 25x45°	V
	LL01CR-NExxL06-M2	23.5x15.8	Full Angle:15° 25° 40° 60° 80° 10 x45° 25x45°	V
	LL01CR-OTxxL06-M2	16.6x10.45	Full Angle:32° 40° 60° 80°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-YJxxL02	19.4x12.6	Full Angle:40° 60°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01CR-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:45°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL06	20x11.5	Full Angle:40°	
	LL01OS-MQxxL02	19.45x13.7	Full Angle:25° 40° 60°	
	LL01ZZ-EXxxL06-M2	22.4x9.7	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01XP-FLxxL06-M2	24.3x11.5	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	
	LL01CR-CRxxL06-M2	13.55x7.25	Full Angle: 40° 60°	V
	LL01CR-BMxxL06	35.8x15.85	Full Angle: 40°	
	LL01CR-BNExxL06	19.4x14.6	Full Angle:25° 40° 60°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:15° 25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-ANxxL06	22.7x9.6	Full Angle:15x50°	
	LL01ED-AOxxL06	19.4x13.5	Full Angle:60° 80°	
	LL01ED-AQxxL06	22.5x10.45	Full Angle:40°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01CR-CAXxxL06	20.5x20.5	FWHM:10x90° 25x90°	
3 in 1	LL03CR-AZxxL06	50x14.5	Full Angle:25° 45° 60°	
	LL03CR-RXxxL06	35x9.6	Full Angle:25° 40° 60°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
	LL03LU-DMxxL06	23.1x11	FWHM:15° 25° 40°	
	LL03LU-DOxxL06	35x10.6	FWHM:15° 25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60°	
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:25° 40° 60°	
	LL04CR-CECxxL06	50x8.5	FWHM:25°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	
	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:15° 25° 40°	
5 in 1	LL04LU-DOxxL06	35x10.4	FWHM:15° 25° 40°	
	LL05CR-FRxxL06	35.8x6.5	Full Angle:25° 40° 60°	

Type	Part Number	DxH(mm)	Degree	Holder
6 in 1	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
	LL06CR-RXxxL06	50x9.65	Full Angle:25° 40° 60°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
7 in 1	LL07CR-FRxxL06	35.8x6.5	Full Angle:25° 40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07ZZ-FUxxL06	50.35x10.7	FWHM:15° 25°	
9 in 1	LL07ZZ-FVxxL06	39.2x10.6	FWHM:15° 25°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
12 in 1	LL12CR-FRxxL06	45x7	Full Angle:25° 40° 60°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12ED-AGxxL06	112x13.4	Full Angle:45°	
	LL12ED-BGxxL06	95x11.2	Full Angle:40°	
	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60°	
24 in 1	LL24CR-PFxxL02	113.6x76x9	Full Angle:15°	
	LL24CR-VExxL02	99x90x10.3	Full Angle:15°	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-DL70130L02	26x12.7x8.65	FWHM:70x130° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM:90x120° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x150° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01LU-NI75140L02	15.7x14x5.8	FWHM:75x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80 x150° (Asymmetry)	
	LL04CR-CFN35155L02	50x50x6.2	FWHM:35 x155° (Asymmetry)	
	LL04CR-CFN60155L02	50x50x7.3	FWHM:60 x155° (Asymmetry)	
Reflector	LL12ZZ-CRCxxL19	50x50x5.3	FWHM:45x145° 45x155° 60x145° 60x155° (Asymmetry)	
	LL20CR-VK60140L02	319.3x52.3x14.6	FWHM:60x140° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	
Reflector	LL01CR-YNxxL08-P	19x15.3	FWHM:10° 20°	

XP-G3

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAF25L02	11.8x6.65	FWHM:25°	
	LL01NI-AAF45L02	11.8x6.5	FWHM:45° 60°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01NI-BYKxxL19	16x8	Full Angle:20° 30° 40° 2545°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:15° 25° 40° 60° 80°	
	LL01CR-BRxxL06	19.65 x 12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01CR-BEXxxL06	20.9 x 9.2	Full Angle:25° 40° 60°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:40° 60°	
	LL01CR-DGxxL06	28.8x16.65	Full Angle:20° 30° 40° 50° 60°	
	LL04CR-CECxxL06	50x8.5	FWHM:25° 50°	
6 in 1	LL01CR-CRlxxL02-M2	22x13.15	FWHM:10x55°	V
	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	

MX-3/MX-6

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01CR-DGxxL06	28.8x16.65	Full Angle:30° 40° 60°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 45°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:45°	
	LL01NI-AAFxxL02-M2	13.5x7.35	FWHM:45°	V
	LL01NI-GRxxL06-M2	23.5x14.9	Full Angle:40°	V
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:25° 40°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25° 40° 60°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:60°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60° 80°	
	LL01CR-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01ED-BVxxL06	19.9x10.7	Full Angle:60°	
3 in 1	LL03CR-EKxxL06	35x9	Full Angle:40° 60°	
	LL03ED-AZxxL06	50.5x13	Full Angle:45°	
	LL03ED-BAxxL06	50.5x13	Full Angle:45° 60°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38°	
	LL03CR-CExxL06	34x9.9	Full Angle:38°	
	LL03ED-AFxxL06	50.5x20	Full Angle:45° 60°	
	LL03CR-HKxxL06	35x8.2	Full Angle:40°	
6 in 1	LL03ZZ-EUxxL06	33x6.9	Full Angle:38°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:25°	V
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
9 in 1	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL12ED-AGxxL06	112x13.4	Full Angle:45°	
12 in 1	LL12ED-BGxxL06	95x11.2	Full Angle:40°	
	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
15 in 1	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
18 in 1	LL18ED-BlxxL06	110x13.1	Full Angle:40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
36 in 1	LL36ED-AAxxL06	140x12.6	Full Angle:45°	
60 in 1	LL60ED-BOxxL06	180x13.1	Full Angle:25°	
Street Lighting	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	

Lens List by LED



XP-G3



MX-3
MX-6



XT-E

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 15x80° 40x90°	
	LL01CR-DFxxL02-M2	13.5x7.35	Full Angle:80° 100°	V
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:30° 50° 60°	V
	LL01CR-HQxxL06-M2	16x10.3	Full Angle:40° 60° 80°	V
	LL01CR-NExxL06-M2	23.5x15.8	Full Angle:25° 40° 60° 80° 25 x45°	V
	LL01CR-OTxxL06-M2	16.6x10.45	Full Angle:80°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25°	
	LL01ED-AJxxL06	28.9 x 19.7	Full Angle:25° 40° 60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25° 40° 60°	
	LL01ZZ-EXxxL06-M2	22.4x9.7	Full Angle:40° 60°	V
	LL01XP-FLxxL06-M2	24.3x11.5	Full Angle:25° 40° 60° 30x65°	V
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01OS-CBxxL06	25.6x10	FWHM:15°	
	LL01CR-BExxxL06	20.9x9.2	FWHM:25° 60°	
	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60° 25x45°	
3 in 1	LL03CR-AZxxL06	50x14.5	Full Angle:25° 45°	
	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03ED-ASxxL06	37.7x10.5	Full Angle:38°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
	LL03LU-DOxxL06	35x10.6	FWHM:25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60°	
	LL03CR-CExxL06	34x9.9	Full Angle:38°	
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:40° 60°	
	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:25° 40°	
	LL04LU-DOxxL06	35x10.4	FWHM:25° 40°	

Type	Part Number	DxH(mm)	Degree	Holder
5 in 1	LL05CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
6 in 1	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
	LL06CY-TTxxL06	73.3x16	Full Angle:45°	
7 in 1	LL07CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
9 in 1	LL07ZZ-FVxxL06	39.2x10.6	Full Angle: 30° 60° / FWHM:25°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
12 in 1	LL09CY-TTxxL06	90.6x18.8	Full Angle:45°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
15 in 1	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
18 in 1	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
24 in 1	LL18ED-BLxxL06	110x13.1	Full Angle:40°	
36 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
Street Lighting	LL36ED-AAxxL06	140x12.6	Full Angle:45°	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80 x150° (Asymmetry)	
	LL04CR-CGM85135L02	50x50x6.9	FWHM:85 x135° (Asymmetry)	
	LL14CR-AOC65150L02	250x60x9.9	FWHM:65x150° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	

XB-D

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BDFxxL06-M2	13.5x7.35	Full Angle:40° 60°	V
	LL01CR-BEXxxL06-M2	22.4x9.7	Full Angle:25° 40° 60°	V
	LL01CR-BNExxxL06-M2	23.5x15.8	Full Angle:25° 40° 60° 35x70°	V
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:30° 40° 60° 80° 25x45°	
	LL01CR-NExxxL06	19.4x15	Full Angle:25° 40° 60° 80° 10x45° 25x45°	
	LL01CR-OTxxL06	15x9.7	Full Angle:80°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01LU-AFCxxL06	19.4x11.8	Full Angle:15x30° 10x35°	
	LL01XB-AAFxxL02-M2	13.5x7.35	FWHM:60°	V
	LL01NI-ANExxxL02	19.4 x14.94	FWHM:20° 30°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-HGxxL06	10x6	Full Angle:40° 60°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25° 40° 60°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01CR-OSxxL06-M2	22.4x9.13	Full Angle:40° 30x65°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:25° 60°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:25° 40° 60°	
	LL01ZZ-EXxxL06	21x9.15	Full Angle:40° 60° 30x65°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:38°	
	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60° 25x45°	
3 in 1	LL03CR-AZxxL06	50x14.5	Full Angle:25° 45°	
	LL03CR-BDOxxL06	35x10.8	FWHM:15° 25°	
	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
	LL03LU-DMxxL06	23.1x11	FWHM:25° 40°	
	LL03LU-DOxxL06	35x10.6	FWHM:25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60°	

Type	Part Number	DxH(mm)	Degree	Holder
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:25° 40° 60°	
	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:25° 40°	
	LL04LU-DOxxL06	35x10.4	FWHM:25° 40°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:45°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60°	
	LL04CR-CECxxL06	50x8.5	FWHM:25°	
5 in 1	LL05CR-BFRxxL06	35.8x6.3	FWHM:40°	
6 in 1	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
7 in 1	LL07CR-BFRxxL06	35.8x6.3	FWHM:40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60°	
	LL07ZZ-FUxxL06	50.35x10.7	FWHM:25°	
	LL07ZZ-FVxxL02	39.2x10.8	FWHM:30°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
9 in 1	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL18ED-BLxxL06	110x13.1	Full Angle:40°	
18 in 1	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x150° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	





XM-L

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 55°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01CR-ADGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-SQxxL06-M2	19.4x12.9	Full Angle:40° 60° 80°	V
	LL01CR-WlxxL02-M2	28.8x17.4	FWHM:15° 25° 40°	V
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-YJxxL02-M2	19.4x12.7	Full Angle:40° 60° 80° 100°	V
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:45° / FWHM:15° 25°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:25° 40° 60° 80°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-EXxxL06	21x9.15	Full Angle:10° 40° 110° 30x65°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 40° 30 x65°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-AHA05L06-M2	50x25.4	FWHM:5°	V
	LL01CR-BJH10L06	45x26.3	FWHM:10°	
4 in 1	LL04CR-CECxxL06	50x9.96	FWHM:9°	
6 in 1	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
9 in 1	LL09ED-BZxxL06	90.75x16.5	Full Angle:25°	
	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL09ED-BQxxL06	90.6x16.5	Full Angle:25° 60°	
Street Lighting	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	

XM-L 2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01CR-BMxxL06	35.8x15.85	Full Angle:40°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:60°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-NExxL06	19.4x14.9	Full Angle:15° 80° 10x45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60° 80°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:15° 25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-ZExxL02	35x20.4	FWHM:20°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-ALxxL06	19.7x9.9	Full Angle:30x65°	
	LL01ED-ANxxL06	22.7x9.6	Full Angle:15°x50°	
	LL01ED-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01ED-AQxxL06	22.5x10.45	Full Angle:40° 60°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:15x60° 20x50°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:25° 40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:20° 40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01ZZ-AHZxxL02-M2	24.3x12.3	FWHM:38°	V
	LL01ZZ-EXxxL06	21x9.3	Full Angle:40° 30x65°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 40° 30x65°	
	LL01CR-FoxxxL06	35.8x15.75	Full Angle:40°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20x65°	
	LL01LU-LHxxL06	21x9.15	Full Angle:15°	
	LL01NI-DZxxL06	22x15.7	Full Angle:20x40°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	



XM-L EZW

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01CR-ADGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 60°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:60°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-AQxxL06	22.5x10.5	Full Angle:60°	
	LL01ED-ASxxL06	19.9 x 10.15	Full Angle:60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:45°	
	LL01ED-CYxxL06	26.8x18.9	Full Angle:30° 45°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
6 in 1	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-AHZxxL02-M2	24.3x12.3	FWHM:24° 38°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:40°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
9 in 1	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25°	V
12 in 1	LL12ED-AGxxL06	112x13.4	Full Angle:45°	
Street Lighting	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	

XM-L COLOR

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-SQxxL06-M2	21x13.9	Full Angle:40°	V
	LL01CR-YJxxL02-M2	21x13.9	Full Angle:40°	V
	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24°	
	LL01CR-ADGxxL06-M2	32.8x18	Full Angle:40° 50°	V
	LL01CR-WlxxL02-M2	32.8x18	Full Angle:40°	V
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-ADPxxL06	75.8x35.2	FWHM:24°	
	LL01ED-BCQxxL06-M1	34.75x19.25	FWHM:15°/15x30°/30°/40°/3050°	V

MC-E

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BRxxL06	19.65x12.5	Full Angle:30° 40° 50°	
	LL01ZZ-AFLxxL02-M2	24.3x12.3	FWHM:35° 50°	V
	LL01CR-FLxxL06-M2	24.3x12.15	Full Angle:25°	V
	LL01CR-XSxxL06-M2	24.3x12.3	Full Angle:40°	V
	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01CR-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 45°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-ADTxxL06	35x10.65	FWHM:30°	
6 in 1	LL06ED-DKxxL06	73.2x13.7	Full Angle:60°	
60 in 1	LL60ED-BOxxL06	180x13.1	Full Angle:45°	

MC-E COLOR

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AFLxxL02-M2	24.3x12.3	FWHM:35° 50°	V
	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01CR-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-BCQxxL06-M1	34.75x19.25	FWHM:15°/15x30°/30°/40°/3050°	V
	LL01CR-ZExxL02	35x20.15	Full Angle:30°	
	LL01CR-ANWxxL06	45x26.3	FWHM:10° 20° 30°	
	LL01CR-PVxxL02	45x23.65	Full Angle:80°	
	LL01CR-ADTxxL06	35x10.65	FWHM:30°	



XHP35-HI



XHP35-HD



XHP35-HD

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01NI-AAFxxL02	11.8x6.5	FWHM:45°	
	LL01NI-BYKxxL19	16x8	Full Angle:20°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:17°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43	FWHM:25°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:25° 40° 60° 80° 10x45° 25x45°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL01CR-BLUxxL06	35x20	FWHM: 3°	
	LL01ZZ-AHAxxL06-M2	50x25.4	FWHM:5°	V
4 in 1	LL04CR-CECxxL06	50x8.5	FWHM:25° 50°	
Street Lighting	LL01CR-DL70130L02	26x12.7x8.65	FWHM:70x130° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM:90x120° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01LU-NI75140L02	15.7x14x5.8	FWHM:75x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL04CR-CGM85135L02	50x50x6.9	FWHM:85x135° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL04CR-CFN35155L02	50x50x6.5	FWHM:35x155° (Asymmetry)	
	LL04CR-CFN60155L02	50x50x7.3	FWHM:60x155° (Asymmetry)	
	LL04CR-BXJxxL02	50x50x7.3	FWHM:60° 90° (Symmetry)	
	LL14CR-AOC65150L02	260x80.2x11.7	FWHM:65x150° (Asymmetry)	
	LL14LU-ALY90130L19	250x60x9.3	FWHM:90x130° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	

XHP35-HI

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM: 25°	
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60° 30x70°	
	LL01OS-BDFxxL06	11.8x6.45	FWHM:25°	
	LL01CR-DFxxL06	11.8x6.5	Full Angle:80° 100° 30x65°	
	LL01CR-HQxxL06	14.8x9.5	Full Angle:30° 40° 60° 80°	
	LL01NI-BYKxxL19	16x8	Full Angle:20° 30° 40° 60° 25x45°	
	LL01CR-BLUxxL06	35x20	FWHM:3°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43	FWHM:10° 15° 25° 30° 50°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-BNExxL06	19.4x14.6	Full Angle:25° 40° 60° 35x70°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:15° 17° 25° 40° 60° 80° 10x45° 25x45°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 30° 40° 50° 60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38° 80°	
Street Lighting	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01ZZ-AHAxxL06-M2	50x25.4	FWHM:5°	V
	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01LU-NI75140L02	15.7x14x5.8	FWHM:75x140° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x145° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x90° (Symmetry)	
Reflector	LL01CR-YNxxL08-P	19x15.3	FWHM:10°	



XH-G



MK-R



MK-R2



MT-G



MT-G2



XH-G

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01OS-AAFxxL02-M2	13.5x7.35	FWHM:60°	V
	LL01CR-NExxL06	19.4x14.9	Full Angle:80°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60° 80°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 60° 80° 100°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:15°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 40x90°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01OS-AXxxL02	20x11.5	Full Angle:20° 40° 60°	
	LL01CR-BExxL06	20.9x9.2	FWHM:25° 40°	
	LL01OS-EXxxL06-M2	22.4x9.63	Full Angle:25° 40° 60°	V
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AQxxL06	22.5x10.45	Full Angle:40° 60°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WLxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24° 55°	
	LL01ED-AXxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-BCQxxL06	34.75x19.25	FWHM:15° 15x30°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:25° 60°	
	LL01CR-BMxxL06	35.8x15.85	Full Angle:40°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20x65°	
	LL01ED-BVxxL06	19.9x10.7	Full Angle:60°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01NI-DZxxL06	22x15.7	Full Angle:20x40°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
3 in 1	LL03LU-DMxxL06	23.1x11	Full Angle:25° 40°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:40°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL03ED-BCxxL06	43.9x9.5	Full Angle:25°	
	LL03CR-AZxxL06	50x14.5	Full Angle:25° 45°	
	LL03ED-AZxxL06	50.5x13	Full Angle:25° 45° 60°	
4 in 1	LL03ED-BAxxL06	50.5x13	Full Angle:45° 60°	
	LL04LU-DNxxL06	25.4x10.5	Full Angle:25° 40°	
	LL04LU-DOxxL06	35x10.4	Full Angle:25° 40°	
	LL04CR-GPxxL06	22.2x6.7	Full Angle:25° 38° 45°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:15° 25° 45°	

MK-R

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-ADPxxL06	75.8x35.2	FWHM:15° 24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-WLxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30°	
	LL01LU-AFLxxL02-M2	24.3x11.5	FWHM:35° 50° 70°	V
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
6 in 1	LL01NI-BNxxL02	44x14.6	FWHM:38°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:25° 35°	V
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	

MK-R2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50° 70°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01ED-IHxxL02	87x44.25	Full Angle: 60°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	

MT-G/MT-G2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-ADPxxL06	75.8x35.2	FWHM:15° 24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-PVxxL02-M2	47.2x25.65	Full Angle:45° 60° 80°	V
	LL01CR-ZExxL02-M2	37.1x20.7	Full Angle:20° 30° 45°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AYxxL06-M2	46x27.1	Full Angle:38° / FWHM:10°	V
	LL01CR-AFLxxL02-M2	24.3x11.5	FWHM:35° 50° 70°	V
	LL01CR-AQHxxL02	44x14.1	FWHM:38°	

CXA
13xx



CXA
15xx



CXA13xx

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:10° / FWHM:38°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:10° / FWHM:38°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01CR-CHQxxL02	35X10.5	FWHM:24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01CT-AOFxxL06	74.4x13	FWHM:24° 38°	
	LL01CT-APGxxL06	84.6x18	FWHM:24° 38°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01NI-QLxxL06	30x17	Full Angle:25°	
	LL01CR-BLUxxL06	35x20	FWHM:3°	
	LL01SP-AVAXxxL06	42x9.65	FWHM:40°	
	LL01NI-BNXxxL02	44x14.6	FWHM:38°	
	LL01CI-WLxxL02	49.2x9.5	Full Angle:40°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01ZZ-CPRxxL46	47x8.5	FWHM:24° 38°	
	LL01ZZ-CPQxxL46	74.4x13	FWHM:24° 38°	
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01ED-AJMxxR49	35.2x7.8	FWHM:24° 38°	
	LL01ED-ALlxxR49	50x19	FWHM:24° 38° 55°	
	LL01CR-BSAxxR49	75x26.9	FWHM:12° 18°	

CXA15xx

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:55°	
	LL01CR-ABHxxL06	50x10.4	FWHM:40° 60°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:38°	
	LL01ED-ASAXxxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:10° / FWHM:38°	
	LL01CT-AMYxxL06	75.8x23	FWHM:38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01ED-ACAXxxL14	29.9x12	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CHQxxL02	35X10.5	FWHM:24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01ZZ-CPQxxL46	74.4x13	FWHM:24° 38°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AJZxxR49	50x19	FWHM:38° 55°	
	LL01CT-ALNxxR49	75.8x20.1	FWHM:38° 45°	
	LL01CT-ALOxxR49	90.5x23.2	FWHM:24° 38° 45°	
Reflector	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01ED-AJMxxR49	35.2x7.8	FWHM:24° 38°	V
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALAXxxR49	75x20.1	FWHM:24° 38°	
	LL01ED-ALlxxR49	50x19	FWHM:24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 38°	
	LL01ZZ-AAAXxxL49	70x35	FWHM:24° 38° 55°	



CXA
18xx



CXA
25xx



CXA
30xx



CXA1816 / 1820

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AMYxxL06	75.8x23	FWHM:24° 38°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL06	50x10.4	FWHM:40° 60°	
	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24°	
Reflector	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CT-ALOXxxR49	90.5x23.2	FWHM:24° 38° 45°	
	LL01ED-AKAXxxR49	85x23.5	FWHM:60°	
	LL01ED-ALBxxR49	50x19	FWHM:24° 55°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	
	LL01SP-ASOXxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 38°	
	LL01CR-BGCxxR49-BKG15L02	75x45	FWHM:15° 24° 38°	
	LL01CR-BDJ80R49	90x40	FWHM:80°	
	LL01CR-BIYxxR49-BIZ120L02	100x57	FWHM:12° 24°	

CXA25xx

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AMYxxL06	75.8x23	FWHM:24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-BZNxxL02-P	88.5x15	FWHM:15°	
Reflector	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01ED-AKAXxxR49	85x23.5	FWHM:60°	V
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	V
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	V
	LL01SP-ASOXxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
Street Lighting	LL01ED-AU70120L02	94x42x28.4	FWHM:70x120° (Asymmetry)	

CXA1830

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01WT-BSSxxL46	44x12.2	FWHM:32°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
Reflector	LL01ED-ALAXxxR49	75x20.1	FWHM:24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01SP-ASOXxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CR-BGCxxR49	75x45	FWHM:13° 24° 38°	
	LL01CR-BIYxxR49-BIZ120L02	100x57	FWHM:12° 24°	

CXA30xx

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AMYxxL06	75.8x23	FWHM:24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
Reflector	LL01ED-AKAXxxR49	85x23.5	FWHM:60°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01ED-AKAXxxR49	85x23.5	FWHM:60°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
	LL01SP-ASOXxxR49	90x50	FWHM:15° 24° 38° 55°	



Federal
5050



Federal
3535



Federal 5050

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01NI-ANExxL02	19.4x14.94	FWHM:20° 30°	
	LL01ED-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01CR-NExxL06	19.4x14.9	Full Angle:80°	
	LL01CR-SQxxL06-M2	21x13.9	Full Angle:40° 60°	V
	LL01CR-YJxxL02-M2	21x13.9	Full Angle:40° 80°	V
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01ED-CVxxL02	19.6x12.3	Full Angle:15°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AQxxL06	22.5x10.5	Full Angle:60°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01CR-ADGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01CR-WlxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20°	
	LL01CR-BMxxL06	35.8x15.85	Full Angle:40°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-FYxxL06	19.4x13.45	Full Angle:80°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01CR-FOxxL06	35.8x15.75	Full Angle:40°	
3 in 1	LL03CR-EKxxL06	35x9	Full Angle:60°	
	LL03ED-AFxxL06	50.5x20	Full Angle:45° 60°	
	LL03CR-CExxL06	34x9.9	Full Angle:38°	
6 in 1	LL06CR-CKxxL06	73.2x13.5	Full Angle:25°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:40° 60°	
	LL06ED-AXMxxL06-M2	76x13	FWHM:25°	V
	LL06ED-AXLxxL06-M2	76x13	FWHM:25°	V

Type	Part Number	DxH(mm)	Degree	Holder
9 in 1	LL09ED-BZxxL06	90.75x16.5	Full Angle:25°	
	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL09ED-BQxxL06	90.6x16.5	Full Angle:60°	
15 in 1	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	

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Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:100°	V
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:30° 40° 50° 60°	V
	LL01CR-HQxxL06	14.8x9.5	Full Angle:40° 60°	
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60° 10x45° 25x45°	
	LL01CR-OTxxL06	15x9.7	Full Angle:40° 60° 80°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:60°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:40°	
	LL01CR-EXxxL06-M2	22.4x9.7	Full Angle:40° 60°	V
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
3 in 1	LL03CR-AZxxL06	50x14.5	Full Angle:25° 45°	
	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03LU-DMxxL06	23.1x11	Full Angle:25° 40°	
	LL03LU-DOxxL06	35x10.6	Full Angle:25° 40°	
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:40° 60°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:25° 40°	
	LL04LU-DOxxL06	35x10.4	FWHM:25° 40°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:45°	
6 in 1	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
7 in 1	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:25°	
	LL07ZZ-FVxxL06	39.2x10.8	Full Angle:25° 30°	
9 in 1	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
18 in 1	LL18ED-BLxxL06	110x13.1	Full Angle:40°	



Federal 3045



Federal 5050 COLOR



3030



HD30



Federal 3045

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01LU-DFxxL06-M2	13.5x7.35	Full Angle:25° 40° 60° 80° 100°	V
	LL01CR-HQxxL06	14.8x9.6	Full Angle:30° 40° 60°	
	LL01CR-NExxL06	19.4x15	Full Angle:40° 60°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40°	
	LL01ED-CVxxL02	19.6x12.3	Full Angle:25° 45°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01LU-EXxxL06-M2	22.4x9.63	Full Angle:25° 40° 60° 30x65°	V
	LL01LU-FLxxL06-M2	24.3x11.6	Full Angle:25° 40° 60° 30x65°	V
	LL01CR-DGxxL06	28.8x16.65	Full Angle:30° 40° 60°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
3 in 1	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20x65°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25° 40°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:25° 40° 60°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25° 40°	
	LL03ED-AZxxL06	50.5x13	Full Angle:45° 60°	
	LL03ED-BAxxL06	50.5x13	Full Angle:45° 60°	
4 in 1	LL04CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL04ED-GKxxL06	37x10.3	Full Angle:25° 40° 60°	
	LL04ED-EXxxL06	25.4x10.4	Full Angle:60°	
	LL04ZZ-EXxxL06	25.4x10.4	Full Angle:30°	
6 in 1	LL06CR-RXxxL06	50x10.5	Full Angle:40° 60°	
	LL06CR-CKxxL06	73.2x13.5	Full Angle:25°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06ED-AXMxxL06-M2	76x13	FWHM:15° 25°	V
	LL06ED-ATxxL06	73.2x13.5	Full Angle:40°	
7 in 1	LL07ZZ-FVxxL06	39.2x10.6	Full Angle:15° 25°	
	LL07ED-GKxxL06	47x10.5	Full Angle:25° 40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:15° 25°	
	LL09ED-GKxxL06	67x10.8	Full Angle:25° 40° 60°	
9 in 1	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL12ED-GKxxL06	67x10.8	Full Angle:25° 40° 60°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12ED-BGxxL06	95x11.2	Full Angle:40°	
	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
18 in 1	LL18ED-BLxxL06	110x13.1	Full Angle:40°	

Type	Part Number	DxH(mm)	Degree	Holder
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
36 in 1	LL36ED-AAxxL06	140x12.6	Full Angle:45°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:80x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135(Asymmetry)	

Federal 5050 COLOR

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-BCQxxL06-M1	34.75x19.25	FWHM:15°/15x30°/30°/40°/3050°	V

3030

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM:25°	
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60° 30x70°	
	LL01CR-DFxxL06	11.8x6.5	Full Angle:80° 100° 30x65°	
	LL01CR-NExxL06	19.4x14.7	Full Angle:25° 40° 60° 80°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 40° 50°	
	LL01CR-WLxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24°	
	LL01NI-BYKxxL19	16x8	Full Angle:20° 30° 40° 60° 25x45°	
	LL12ZZ-CRCxxL19	50x6.3	FWHM:25° 55°	
	LL12ZZ-CRCxxL19	50x3.8	FWHM:90°	
Street Lighting	LL12ZZ-CRCxxL19	50x50x5.3	FWHM:45x145° 45x155° 60x145° 60x155° (Asymmetry)	

HD30

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:55°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL06	50x10.4	FWHM:40° 60°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CFExxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
12 in 1	LL12ZZ-CRCxxL19	50x6.3	FWHM:25° 55°	
	LL12ZZ-CRCxxL19	50x3.8	FWHM:90°	

JU1215 COB(4W)

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
Reflector	LL01ED-AJxxR49	35.2x7.8	FWHM:24° 38°	
	LL01CT-AMxxR49	44x11.8	FWHM:45°	
	LL01BR-TYxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	

JU1215 COB(4W)



JU1215 COB(7W)



JU1215 COB(10W)



JU2024 COB(15W)



JU1215 COB(10W)

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
Reflector	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CT-AMxxR49	44x11.8	FWHM:45°	
	LL01BR-TYxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01ED-ALAxR49	75x20.1	FWHM:24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30°	
	LL01CT-ALNxxR49	75.8x20.1	FWHM:30° 42°	
	LL01ED-AKAxxR49	85x23.5	FWHM:60°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01CT-ALOxxR49	90.5x23.2	FWHM:24° 38° 45°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	

JU1215 COB(7W)

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
Reflector	LL01CT-AMxxR49	44x11.8	FWHM:45°	
	LL01BR-TYxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01ED-ALAxR49	75x20.1	FWHM:24° 38°	
	LL01CT-ALNxxR49	75.8x20.1	FWHM:30° 42°	

JU2024 COB(15W)

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
Reflector	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01BR-TYxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01ED-ALAxR49	75x20.1	FWHM:24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30°	
	LL01ED-AKAxxR49	85x23.5	FWHM:60°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01CT-ALOxxR49	90.5x23.2	FWHM:24° 38° 45°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	

Lexar

PB04



PB07/10



PB15



PB20/30



PB40



PB04

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
Reflector	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALixxR49	50x19	FWHM:24° 38° 55°	

PB07/10

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle: 38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
Reflector	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALixxR49	50x19	FWHM:24° 38° 55°	

PB15

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
Reflector	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	

PB20/30

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:24° 38°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
Reflector	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01ED-AKAXxR49	85x23.5	FWHM:60°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
Street Lighting	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
	LL01ED-AU70120L02	94x42x28.4	FWHM:70x120° (Asymmetry)	

PB40

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:24° 38°	
Reflector	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01ED-AKAXxR49	85x23.5	FWHM:60°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
Street Lighting	LL01ED-AU70120L02	94x42x28.4	FWHM:70x120° (Asymmetry)	



COB
10W/13W
17W/24W



5152



H35A



COB 10W/13W/17W/24W

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AOFxxL06	74.4x13	FWHM:24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CI-WM40L02	92.5x27.5	Full Angle:40°	
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

5152

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 60° 80° 100°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	

H35A

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:100°	V
	LL01CR-HQxxL06	14.8x9.5	Full Angle:60° 80°	
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:15x30°	V
	LL01NI-NExxL06-M2	21.4x15.8	Full Angle:25° 40° 60° 80°	V
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25° 40° 60°	
	LL01CR-EXxxL06-M2	23x10.63	Full Angle:40° 60°	V
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:10° 40° 60°	V
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01CR-CRIxxL02-M2	22x13.15	FWHM:10x55°	V
3 in 1	LL03CR-RXxxL06	35x10.5	Full angle: 40° 60°	
4 in 1	LL04CR-RXxxL06	35x10.5	Full angle: 40° 60°	
6 in 1	LL06CR-RXxxL06	50x10.5	Full angle: 40° 60°	
7 in 1	LL07CR-RXxxL06	50x10.3	Full angle: 40° 60°	
9 in 1	LL09CR-RXxxL06	70x10.3	Full angle: 40° 60°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full angle: 40° 60°	
	LL12ED-AGxxL06	112x13.4	Full angle: 45°	
15 in 1	LL15ED-BHxxL06	95x11.1	Full angle: 40°	
18 in 1	LL18ED-BIxxL06	110x13.1	Full angle: 40°	
Street Lighting	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155°(Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1	FWHM: 80x135°(Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM: 70x130°(Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM: 70x140°(Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135°(Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90°(Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155°(Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM: 70x135°(Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140°(Asymmetry)	

H35C1

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60° 30x70°	
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:80° 100°	V
	LL01CR-HQxxL06	14.8x9.5	Full Angle:30° 40° 60° 80°	
	LL01CR-OTxxL06	15x9.65	Full Angle:40° 60°	
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-BNExxL06-M2	23.5x15.8	FWHM:25° 40°	V
	LL01NI-NExxL06-M2	21.4x15.8	Full Angle:15° 17° 25° 40° 60° 80° 10x45° 25x45°	V
	LL01CR-CRIxxL02-M2	22x13.15	FWHM:10x55°	V
	LL01CR-BR1045L06	19.65x12.5	Full angle: 10x45° 15x50° 15x80° 40x90° 30°	
3 in 1	LL01ED-AS60L06	19.9x10.15	Full angle: 60°	
	LL01ED-BCQ1530L06	34.75x19.25	FWHM: 15x30°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
4 in 1	LL03OS-GKxxL06	33.2x9.8	Full Angle:40° 60°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL04CR-RXxxL06	35x10.5	Full Angle:40° 60°	
6 in 1	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60°	
	LL06CR-RXxxL06	50x10.5	Full Angle:40° 60°	
7 in 1	LL07ZZ-FVxxL06	39.2x10.6	Full Angle:15° 25° 30° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:25°	
9 in 1	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	

Type	Part Number	DxH(mm)	Degree	Holder
12 in 1	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
18 in 1	LL18ED-BLxxL06	110x13.1	Full Angle:40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
Street Lighting	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL24CR-AU75135L02	100X120X10.2	FWHM:75x135° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1	FWHM: 85x135°(Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM: 85x135°(Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM: 90x120°(Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM: 70x140°(Asymmetry)	
	LL01LU-NI75140L02	15.7x14x5.8	FWHM: 75x140°(Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM: 60x140°(Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM: 60x135°(Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM: 60x90°(Symmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM: 60x130°(Symmetry)	



L2C1-1202

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-ACAxL1.4	29.9x12	FWHM:24°	
	LL01CR-ZExxL02	35 x 20.4	FWHM:20° 30° 45°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABY24L02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CR-PVxxL02	45x23.7	FWHM:45° 60° 80°	
	LL01CR-ABH40L02	50x10.4	FWHM:40°	
	LL01CT-AOFxxL02	74.4x13	FWHM:24° 38°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01NI-BNXxxL02	44x14.6	FWHM:38°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01CI-WLxxL02	49.2x9.5	Full Angle:40°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	

LHC1-1202/1203

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CR-PVxxL02	45x23.7	FWHM:45° 60° 80°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:38°	
	LL01CR-BA Y24L06	76x22.5	FWHM:24° 38°	
	LL01CT-AZVxxL02-P	76.1x12.7	FWHM:12° 24°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01NI-QBxxL06	30x17	FWHM:25°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01NI-BNXxxL02	44x14.6	FWHM:38°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 38°	
	LL01ZZ-AAAxL49	70x35	FWHM:38° 55°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
Reflector	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALBxxR49	50 x 19	FWHM:24° 38° 55°	
	LL01ZZ-AAAxL49	70 x 35	FWHM: 38° 55°	
	LL01SP-ATHxxR49	75 x 40	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90 x 50	FWHM:15° 24° 38° 55°	

LHC1-1204

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BA YxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-AM YxxL06	75.8x23	FWHM:24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:32°	
	LL01CI-WLxxL02	49.2x9.5	Full Angle:40°	
Reflector	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 38°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	

LHC1-1205

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BA YxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40°	
	LL01CT-AM YxxL06	75.8x23	FWHM:24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:32°	
	LL01CI-WLxxL02	49.2x9.5	Full Angle:40°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01CR-AYM15R35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYX15R35-P	90x50	FWHM:15° 24° 38° 55°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
Reflector	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	

LHC1-1208

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BA YxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CT-AM YxxL06	75.8x23	FWHM:24°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01ED-IHxxL02	87x44.25	Full Angle:60°	
	LL01WT-BSSxxL46	44x12.2	FWHM:32°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01CR-AYM15R35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYX15R35-P	90x50	FWHM:15° 24° 38°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
Reflector	LL01SP-ATHxxR49	75x40	FWHM: 15° 24° 30° 38°	



Luxeon M

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-ADPxxL06	75.8x35.2	FWHM:15° 24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01LU-DGxxL06-M2	32.8x18	FWHM:30° 40° 50° 60°	V
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01CR-ZExxL02	35x20.4	FWHM:20° 30° 45°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AJxxL06	28.9x18.55	Full Angle:60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01LU-AFLxxL02-M2	24.3x11.5	FWHM:35° 50° 70°	V
6 in 1	LL01ED-BVxxL06	19.9x10.7	Full Angle:60°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
Street Lighting	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70°x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80°x150° (Asymmetry)	

Luxeon MZ

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-CVxxL02	19.6x12.3	FWHM:15°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45° 30x65°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:30° 40° 60°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01ED-BCQxxL06	34.75x19.25	FWHM:15°	
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80°x150° (Asymmetry)	

Luxeon R

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01NI-AAFxxL02	11.8x6.5	FWHM:60°	
	LL01LU-BDFxxL06-M2	13.5x7.35	FWHM:40° 60°	V
	LL01LU-DFxxL06-M2	13.5x7.35	Full Angle:80° 100°	V
	LL01CR-HQxxL06	14.8x9.5	Full Angle:40° 60°	
	LL01CR-OTxxL06	15x9.7	Full Angle:40° 60° 80°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:15X30°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:20° 30°	
	LL01CR-BNExxL06	19.4x14.6	FWHM:40° 60°	
	LL01CR-NExxL06	19.4x15	Full Angle:40° 60° 80° 25X45°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:80°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25° 40° 60°	
	LL01OS-AXxxL02	20x11.4	Full Angle:60°	
	LL01CR-BExxL06	20.9x9.2	FWHM:40° 60°	
	LL01LU-QDxxL06-M2	22.4x9.63	Full Angle:25° 60°	V
	LL01LU-FLxxL06-M2	24.3x11.6	Full Angle:25° 30X65°	V
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01CR-DGxxL06	28.8x16.65	Full Angle:30° 40° 60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20X65°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	

Luxeon S

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01CR-ADPxxL06	75.8x35.2	FWHM:15° 24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ZExxL02	35x20.4	FWHM:20° 30° 45°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01LU-AFLxxL02-M2	24.3x11.5	FWHM:35° 50°	V



Luxeon T/Tx

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BEExxL06	20.9x9.2	Full Angle:60°	
	LL01CR-BMxxL06	35.8x15.85	Full Angle:40°	
	LL01CR-BNExxL06	19.4x14.6	Full Angle:40° 35x70°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:10x45° 15x50° 15x80° 40x90°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-HQxxL06	14.8x9.4	Full Angle:60°	
	LL01CR-NExxL06	19.4x15	Full Angle:15° 17° 25° 40° 60° 80° 10x45° 25x45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60° 80°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 60° 80° 100°	
	LL01CR-ZExxxL02	35x20.4	FWHM:20°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01ED-ALxxL06	19.7x9.9	Full Angle:30x65°	
	LL01ED-ANxxL06	22.7x9.6	Full Angle:15x50°	
	LL01ED-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38°	
	LL01ED-CTxxL06	31x11.2	Full Angle:80°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30°	
	LL01LU-AFCxxL06	19.4x11.8	Full Angle:20x50°	
	LL01CR-AAFxxL02	11.8x6.65	FWHM:25°	
	LL01NI-AAFxxL02	11.8x6.65	FWHM:45° 60°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:20° 40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:10° 30°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:15° 25° 40° 60°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-AHZxxL02	22.2x10.6	FWHM:24° 38°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:40° 30x65°	
	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60°	

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25° 40° 60°	
	LL01CR-ADTxL06	35x10.65	Full Angle:40°	
	LL01CR-FOxxL06	35.8x15.75	Full Angle:40°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20x65°	
	LL01LU-LHxxL06	21x9.15	Full Angle:15°	
	LL01NI-DZxxL06	22x15.7	Full Angle:20x40°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
3 in 1	LL03CR-AZxxL06	50x14.5	Full Angle:25° 45°	
	LL03CR-RXxxL06	35x9.6	Full Angle:25° 40° 60°	
	LL03ED-BCxxL06	43.9x9.5	FWHM:15° 25°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40° 60°	
	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:40° 60° 80°	
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:40° 60°	
	LL04ED-BDxxL06	43.9x9.5	FWHM:15°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:15° 25°	
	LL04LU-DOxxL06	35x10.4	FWHM:15° 25°	
	LL04LU-GPxxL06	22.2x6.8	FWHM:15°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
6 in 1	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
7 in 1	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
9 in 1	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
Street Lighting	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL01OS-AU60140L02	16x8.8x5.33	FWHM:60x140° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL04CR-CFN35155L02	50x50x6.5	FWHM:35x155° (Asymmetry)	
	LL04CR-CFN60155L02	50x50x7.3	FWHM:60x155° (Asymmetry)	
	LL04CR-BXJ60L02	50x50x7.3	FWHM:60° (Symmetry)	
	LL04CR-BXJ90L02	50x50x7.3	FWHM:90° (Symmetry)	

Luxeon Z



Luxeon Z
ES



Luxeon
3030 2D



Luxeon Z(ES)

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60°	
	LL01CR-BNExxL06	19.4x14.6	FWHM:40° 60° 35x70°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:25° 60°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45° 30x65°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:30° 40° 50°	
3 in 1	LL01NI-BYKxxL19	16x8	FWHM: 20° 30° 40° 60°	
	LL03LU-DMxxL06	23.1x11	Full Angle:25°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:40° 60° 80°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
4 in 1	LL03LU-DOxxL06	35x10.6	Full Angle:25°	
	LL04CR-GPxxL06	22.2x6.7	Full Angle:38° 45°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:25° 45°	
	LL04LU-DNxxL06	25.4x10.5	Full Angle:25°	
	LL04CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL04LU-DOxxL06	35x10.4	Full Angle:25°	
	LL04ED-GKxxL06	37x10.3	Full Angle:25° 40°	
5 in 1	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
	LL05CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
6 in 1	LL06CR-RXxxL06	50x10.5	Full Angle:40° 60°	
7 in 1	LL07CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
	LL07ED-GKxxL06	47x10.5	Full Angle:25° 40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
9 in 1	LL09ED-GKxxL06	67x10.8	Full Angle:25° 40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12ED-GKxxL06	67x10.8	Full Angle:25° 40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	

Luxeon 3030 2D

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60° 2545°	
12 in 1	LL12ZZ-CRCxxL19	50x6.3	FWHM:25° 55°	
	LL12ZZ-CRCxxL19	50x3.8	FWHM:90°	
Street Lighting	LL12ZZ-CRCxxL19	50x50x5.3	FWHM:45x145° 45x155° 60x145° 60x155° (Asymmetry)	

CXM 6 / 7

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
Reflector	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	

CXM 9

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24° 38°	
Reflector	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	

CXM 11

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CT-AOFxxL06	74.4x13	FWHM:24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24° 38°	
Reflector	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

CXM 14

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CI-ZOxxL06	60x15.2	Full Angle:25° 40°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01CT-AOFxxL06	74.4x13	FWHM:24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24° 38°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
Reflector	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

CXM 18

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24° 38°	
	LL01ED-ASAxxL06-P	90.6x22	FWHM:12° 24° 38°	
Reflector	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01ZZ-AAAxxL49	70x35	FWHM: 24° 38°	
	LL01CR-AYGxxR49	75x45	FWHM: 15° 24° 38°	
	LL01LU-BRSxxR49	90x50	FWHM: 22°	

CXM 27

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ASAxxL06-P	90.6x22	FWHM:12° 24° 38°	
Reflector	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	

SBM 40(RGBW)

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01ED-BCQxxL06	34.75x19.25	FWHM:15° 15x30°	

CHM11

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01CR-PVxxL02	45x23.7	FWHM:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01ED-ASAxxL06-P	90.6x22	FWHM:12°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01CI-WNxxL02	72x12.9	FWHM:40°	
	LL01CI-WMxxL02	92.5x27.5	FWHM:40°	
	LL01CR-CEWxxL02	50x15	FWHM:12° 24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	

CXM 18



CXM 27



CHM 11



SBM 40 (RGBW)



066A / 036B



036A / 024B



121A / 060B



216A / 108B / 130B



066A / 036B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24°	
	LL01CT-AMYxxL06	76x23	FWHM:24°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15°	
	LL01ED-ASAXxL02-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAXxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
Reflector	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	

121A / 060B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-AMYxxL06	76x23	FWHM:24°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01ED-ASAXxL02-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAXxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
Reflector	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

036A / 024B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24° 38° 55°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
Reflector	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALJxxR49	50x19	FWHM:24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	

216A / 108B / 130B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-BBxxL06	69x22.7	FWHM:24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-AMYxxL06	76x23	FWHM:24°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01ED-ASAXxL02-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAXxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
Reflector	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

NVSxx19A

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BRxxL06	19.65x12.5	Full Angle:10x45° 15x50° 15x80° 40x90°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:60°	
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:80° 100° 30x65°	V
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:20° 30° 40° 50° 60°	V
	LL01CR-HQxxL06	14.8x9.5	Full Angle:15° 40° 60° 80°	
	LL01CR-CNExxL06-M2	23.5x15.8	Full Angle:17° 25° 40° 60° 80° 10x45° 25x45°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-AQxxL06	22.5x10.45	Full Angle:40°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01CR-AFCxxL06-M2	21.3x12.4	Full Angle:15x60° 20x50°	V
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25° 45° 60°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:40°	
	LL01CR-EXxxL06-M2	22.4x9.7	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01XP-FLxxL06-M2	24.3x11.5	Full Angle:25° 40° 30x65°	V
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20°x65°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-AHAXxxL06	50x25.4	FWHM:5°	
	LL01CR-CRlxxL02-M2	22x13.15	FWHM:10x55°	V
3 in 1	LL03ED-BAxxL06	50.5x13	Full Angle:45°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:40°	
	LL03LU-DMxxL06	23.1x11	FWHM:15° 25°	
	LL03LU-DOxxL06	35x10.6	FWHM:15° 25°	
	LL03LU-MKxxL06	23.1x11	Full Angle:15° 25°	
	LL03NI-QQxxL06	35x10.5	Full Angle:25°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 60° 80°	
4 in 1	LL04CR-GPxxL06	22.2x6.7	Full Angle:38°	
	LL04ED-GKxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:15° 25°	

Type	Part Number	DxH(mm)	Degree	Holder
4 in 1	LL04LU-DOxxL06	35x10.4	FWHM:15° 25°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:45°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	
6 in 1	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:25°	V
7 in 1	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
	LL07ED-GKxxL06	47x10.5	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:25°	
9 in 1	LL07ZZ-FVxxL06	39.2x10.6	Full Angle:25° 30° 60°	
	LL09ED-BZxxL06	90.75x16.5	Full Angle:25°	
	LL09ED-GKxxL06	67x10.8	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
12 in 1	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL12ED-AGxxL06	112x13.4	Full Angle:45°	
	LL12ED-GKxxL06	67x10.8	Full Angle:40°	
15 in 1	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
18 in 1	LL18ED-BIxxL06	110x13.1	Full Angle:40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
36 in 1	LL36ED-AAxxL06	140x12.6	Full Angle:45°	
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x6.95	FWHM:80x150° (Asymmetry)	
	LL12ED-VT85160L02	158x50x9.4	FWHM:85x160° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	

Lens List by LED



NVSxx
19A





NCSxx19A

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10°x45° 15°x50° 15°x80° 40°x90°	
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:80° 100° 30°x65°	V
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:15° 25° 30° 40° 60° 80°	
	LL01CR-CNExxL06-M2	23.5x15.8	Full Angle:17° 25° 40° 60° 80° 25°x45°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-YJxxL02	19.4x12.6	Full Angle:40° 60° 80°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01CR-AFCxxL06-M2	21.3x12.4	Full Angle:15°x60°	V
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:40° 60°	
	LL01ZZ-EXxxL06	21x9.15	Full Angle:10° 25° 40° 60° 30°x65°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
3 in 1	LL01ED-FMxxL06	19.9x10.55	Full Angle:35°	
	LL01ZZ-AHxxL06	50x25.4	FWHM:5°	
	LL01CR-CRlxxL02-M2	22x13.15	FWHM:10x55°	
	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03ED-BAxxL06	50.5x13	Full Angle:45°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:40°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
	LL03LU-DMxxL06	23.1x11	FWHM:15° 25°	
4 in 1	LL03LU-DOxxL06	35x10.6	FWHM:15° 25°	
	LL03LU-MKxxL06	23.1x11	FWHM:15° 25°	
	LL03NI-QQxxL06	35x10.5	FWHM:25°	
	LL03OS-GKxxL06	33.2x9.8	FWHM:25° 60° 80°	
	LL04CR-RXxxL06	35x9.7	FWHM:40° 60°	
	LL04ED-GKxxL06	37x10.3	FWHM:40°	
	LL04ED-UYxxL06	37x10.3	FWHM:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:15° 25°	
	LL04LU-DOxxL06	35x10.4	FWHM:15° 25°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	

Type	Part Number	DxH(mm)	Degree	Holder
6 in 1	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25°	V
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
7 in 1	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-GKxxL06	47x10.5	Full Angle:40°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL07ZZ-FUxxL06	50.35x10.7	FWHM:25°	
9 in 1	LL07ZZ-FVxxL06	39.2x10.8	Full Angle:30° 60° / FWHM:25°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-GKxxL06	67x10.8	Full Angle:40°	
	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
12 in 1	LL09ED-ATxxL06	90.6x17.5	Full Angle:40°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12ED-AGxxL06	112x13.4	Full Angle:25°	
	LL12ED-GKxxL06	67x10.8	Full Angle:40°	
	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
15 in 1	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
18 in 1	LL18ED-BLxxL06	110x13.1	Full Angle:25° 40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
Street Lighting	LL01CR-AU85135L02	18x10.2 x 6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	

NVSxx19B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-CRxxL06-M2	13.55x7.25	Full Angle:40° 60°	V
	LL01CR-BMxxL06	35.8x15.85	Full Angle:40°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:80° 100° 30x65°	V
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:15° 30° 40° 60° 80°	
	LL01CR-CNExxL06-M2	23.5x15.8	Full Angle:17° 25° 40° 60° 80° 10x45° 25x45°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-WIxxL02	28.8x17.4	Full Angle:15° 25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:80° 100°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AJxxL06	28.9x19.8	Full Angle:10° 25° 40° 60°	
	LL01ED-ALxxL06	19.7x9.9	Full Angle:30x65°	
	LL01ED-ANxxL06	22.6x9.9	Full Angle:25°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01CR-AFCxxL06-M2	21.3x12.4	Full Angle:15x60° 20x50°	V
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-GRxxL06	19.45x13.5	Full Angle:25° 40° 60° 80°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:15° 25° 40° 60°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:50°	
	LL01CR-EXxxL06-M2	22.4x9.7	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01XP-FLxxL06-M2	24.3x11.5	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01ED-ZBxxL06	19.6x10.4	Full Angle:15°	
	LL01LU-LHxxL06	21x9.15	Full Angle:15°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	
	LL01CR-CRlxxL02-M2	22x13.15	FWHM:10x55°	V
3 in 1	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:40°	
	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60°	

Type	Part Number	DxH(mm)	Degree	Holder
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:40° 60°	
	LL04ED-GKxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:15° 25°	
	LL04LU-DOxxL06	35x10.4	FWHM:15° 25°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	
5 in 1	LL05CR-BFRxxL06	35.8x6.3	Full Angle:25° 40° 60°	
	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
6 in 1	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
	LL07CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
7 in 1	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-GKxxL06	47x10.5	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
9 in 1	LL09ED-GKxxL06	67x10.8	Full Angle:40°	
	LL09OS-GKxxL06	67x10.8	Full Angle:40° 60°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12ED-GKxxL06	67x10.8	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x150° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x6.95	FWHM:80x150° (Asymmetry)	
	LL14LU-ALY90130L19	250x60x9.3	FWHM:90x130° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL24LU-JT60120L02	126x110x10.5	FWHM:60x120° (Asymmetry)	
	LL24OS-JT110150L02	126x110x9	FWHM:110x150° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	

Lens List by LED

NICHIA

NVSxx
19B



NCSxx19B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25° 45° 60°	V
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60° 30x70°	
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:80° 100° 30x65°	V
	LL01CR-HQxxL06	14.8x9.5	Full Angle:40° 60° 80°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:80° 100°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25° 40° 60°	
	LL01CR-EXxxL06-M2	23x10.63	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WbxxL02	28.8x17.4	Full Angle:15° 25° 40°	
	LL01ED-AJxxL06	28.9x19.8	Full Angle:10° 25° 40° 60°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	
	LL01CR-CRIxxL02-M2	22x13.15	FWHM:10x55°	V

Type	Part Number	DxH(mm)	Degree	Holder
3 in 1	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
4 in 1	LL04LU-DNxxL06	25.4x10.5	Full Angle:15° 25°	
	LL04CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL04LU-DOxxL06	35x10.4	Full Angle:25°	
	LL04NI-DOxxL02	35x10.5	Full Angle:25° 40°	
	LL04ED-GKxxL06	37x10.3	Full Angle:40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60°	
6 in 1	LL04CR-CECxxL06	50x9.96	FWHM:9°	
	LL06CR-RXxxL06	50x10.5	Full Angle:40° 60°	
	LL06ED-CDxxL06	73.2x4.5	Full Angle:60°	
7 in 1	LL07ED-GKxxL06	47x10.5	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:25°	
9 in 1	LL09ED-GKxxL06	67x10.8	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12ED-GKxxL06	67x10.8	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	



NCSxx
19B



NF2x757A/D

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24°	
	LL01OS-BDFxxL06-M2	13.5x7.35	Full Angle:40° 60° 80° 100° 30x65°	V
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50°	
	LL01CR-NExxL06	19.4x15	Full Angle:17° 40° 60° 80° 10x45°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01ED-ALxxL06	19.7x9.9	Full Angle:30x65°	
	LL01ED-AOxxL06	19.4x13.5	Full Angle:40° 60° 80°	
	LL01OS-AFCxxL06-M2	21.3x12.4	Full Angle:15x60° 20x50°	V
	LL01OS-AAFxxL02-M2	11.8x6.65	FWHM:25° 45° 60°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-MQxxL06-M2	21.05x14.75	Full Angle:25° 40° 60°	V
	LL01OS-EXxxL06-M2	22.4x9.7	Full Angle:25° 40°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01LU-AAxxL06	19.7x13.8	Full Angle:20x65°	
	LL01NI-DZxxL06	22x15.7	Full Angle:20x40°	
	LL01NI-BYKxxL19	16x8	FWHM:20° 30° 40° 60° 25x45°	
3 in 1	LL03CR-RXxxL06	35x9.6	Full Angle:60°	
	LL03ED-BCxxL06	43.9x9.5	Full Angle:25°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:40° 60° 80°	
	LL03CR-HKxxL06	35x8.2	Full Angle:40°	
	LL03ZZ-EUxxL06	33x6.9	Full Angle:38°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25° 40°	
4 in 1	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25° 40°	
	LL04CR-GPxxL06	22.2x6.7	Full Angle:38°	
	LL04CR-RXxxL06	35x9.7	Full Angle:60°	
	LL04ED-GKxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	Full Angle:25°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:15°	
	LL04NI-DOxxL02	35x10.5	Full Angle:25° 40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:60° 80°	
	LL04CR-CECxxL06	50x8.5	FWHM:25°	

Type	Part Number	DxH(mm)	Degree	Holder
5 in 1	LL05CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
6 in 1	LL06CR-RXxxL06	50x9.65	Full Angle:60°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40°	
7 in 1	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25°	V
	LL07CR-BFRxxL06	35.8x6.3	FWHM:25° 40° 60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:60°	
	LL07ED-GKxxL06	47x10.5	Full Angle:40°	
9 in 1	LL07OS-GKxxL06	67x9.8	Full Angle:60° 80°	
	LL09CR-RXxxL06	70x10.3	Full Angle:60°	
	LL09ED-GKxxL06	67x10.8	Full Angle:40°	
12 in 1	LL09OS-GKxxL06	67x9.8	Full Angle:60° 80°	
	LL12CR-RXxxL06	70x10.3	Full Angle:60°	
	LL12ED-GKxxL06	67x10.8	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:60° 80°	
	LL12ZZ-CRCxxL19	50x6.3	FWHM:25° 55°	
	LL12ZZ-CRCxxL19	50x3.8	FWHM:90°	
15 in 1	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
18 in 1	LL18ED-BIxxL06	110x13.1	Full Angle:40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
Street Lighting	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL04CR-BXJ90L02	50x50x7.05	FWHM:90° (Symmetry)	
	LL12ZZ-CRCxxL19	50x50x5.3	FWHM:45x145° 45x155° 60x145° 60x155° (Asymmetry)	

Lens List by LED



NF2x
757A/D





Oslosquare

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01OS-BDFxxL06-M2	13.5x7.35	Full Angle:40° 60°	V
	LL01CR-BEXxxL06	20.9x9.2	Full Angle:40° 60°	
	LL01CR-BMxxL06	35.8x15.85	Full Angle:40°	
	LL01CR-BNExxL06	19.4x14.6	Full Angle:25° 40° 60° 35x70°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 10x45° 15x50° 15x80° 40x90°	
	LL01OS-BDFxL06-M2	11.8x6.65	Full Angle:40° 60° 80° 100° 30x65°	V
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:30° 40° 60° 80°	
	LL01CR-NExxL06	19.4x15	Full Angle:15° 25° 40° 60° 80° 10x45° 25x45°	
	LL01CR-OTxxL06	15x9.7	Full Angle:80°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-YJxxL02	19.4x12.6	Full Angle:40° 60°	
	LL01CR-ZExxL02	35x20.4	FWHM:20° 45°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-ALxxL06	19.65x11.4	Full Angle:15° 30x65°	
	LL01ED-ANxxL06	22.7x9.6	Full Angle:15x50°	
	LL01ED-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45° 30x65°	
	LL01OS-AFCxxL06-M2	19.4x11.8	Full Angle:15x60° 20x50°	V
	LL01OS-AAFxxL06-M2	13.5x7.35	FWHM:25° 45° 60°	V
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:20° 40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-HGxxL06	10x6	Full Angle:40°	
	LL01OS-MQxxL06-M2	21.05x14.75	Full Angle:15° 25° 40° 60°	V
	LL01OS-EXxxL06-M2	22.4x9.7	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01ZZ-FLxxL06	24.3x11.5	Full Angle:10° 40° 60°	V
	LL01CR-ADTxL06	35x10.65	Full Angle:40°	
	LL01CR-FOxxL06	35.8x15.75	Full Angle:40°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	-

Type	Part Number	DxH(mm)	Degree	Holder
3 in 1	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
	LL03LU-DOxxL06	35x10.6	FWHM:15° 25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60°	
	LL03CR-CExxL06	34x9.9	Full Angle:38°	
	LL03CR-HKxxL06	35x8.2	Full Angle:40°	
4 in 1	LL04CR-RXxxL06	35x9.7	Full Angle:40° 60°	
	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04LU-DOxxL06	35x10.4	FWHM:15° 25° 40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60°	
	LL04CR-CECxxL06	50x8.5	FWHM:25°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	
	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
6 in 1	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:25°	V
	LL06ED-BExxL06	43.9x8.6	Full Angle:25°	
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
7 in 1	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60°	
9 in 1	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:15° 25°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-BZxxL06	90.75x16.5	Full Angle:25°	
	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60°	
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x150° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL04CR-BXJ60L02	50x50x7.05	FWHM:60° (Symmetry)	
	LL04CR-BXJ90L02	50x50x7.05	FWHM:90° (Symmetry)	
	LL12ZZ-CRCxxL19	50x50x5.3	FWHM:45x145° 45x155° 60x145° 60x155° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	

Oslon SSL80

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01OS-BDFxxL06-M2	13.5x7.35	Full Angle:40° 60° 100°	V
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40°	
	LL01CR-DGxxL06	28.8x16.65	Full Angle:30° 40° 60°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:15° 30° 40° 60° 80°	
	LL01CR-NExxL06	19.4x15	Full Angle:40° 60° 80° 25x45°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:40°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01OS-AFCxxL06-M2	21.3x12.4	FWHM:10° 15° 25° 30° 10x35° 15x30°	V
	LL01OS-AAFxxL06-M2	13.5x7.35	FWHM:25°	V
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-HGxxL06	10x6	Full Angle:40° 60°	
	LL01OS-MQxxL06-M2	21.05x14.75	Full Angle:15° 25° 40° 60°	V
	LL01OS-EXxxL06-M2	22.4x9.7	Full Angle:10° 25° 40° 60° 30x65°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
3 in 1	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30° 15x40°	
	LL03CR-RXxxL06	35x9.6	Full Angle:40° 60°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
4 in 1	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25° 40°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 40° 60° 80°	
	LL04CR-GPxxL06	22.2x6.7	Full Angle:25° 38° 45°	
	LL04CR-RXxxL06	35x9.7	Full Angle:40° 60°	
	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.5	FWHM:15° 25° 40°	
	LL04LU-DOxxL06	35x10.4	FWHM:15° 25° 40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
	LL04CR-CECxxL06	50x9.96	FWHM:9°	

Type	Part Number	DxH(mm)	Degree	Holder
6 in 1	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
	LL06CR-RXxxL06	50x9.65	Full Angle:40° 60°	
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
7 in 1	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:15° 25°	
	LL07ZZ-FVxxL06	39.2x10.6	Full Angle:15° 25°	
9 in 1	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12ED-AGxxL06	112x13.4	Full Angle:45°	
	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
24 in 1	LL24ED-ABxxL06	174.5x12.7	Full Angle:45°	
36 in 1	LL36ED-AAxxL06	140x12.6	Full Angle:45°	
60 in 1	LL60ED-BOxxL06	180x13.1	Full Angle:45°	
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2	FWHM:65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4	FWHM:60x140° (Asymmetry)	





Osion SSL150

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BExxxL06	20.9x9.2	FWHM:25° 40° 60°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:40° 15x50°	
	LL01OS-BDFxxL06-M2	13.5x7.35	Full Angle:25° 60° 80° 30x65°	V
	LL01CR-DGxxL06	28.8x16.65	Full Angle:30° 40° 60°	
	LL01CR-HQxxL06	14.8x9.5	Full Angle:40° 60°	
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:25°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-EXxxL06-M2	22.4x9.7	Full Angle:25° 40° 30x65°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60° 30x65°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
3 in 1	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38° 80°	
	LL03ED-UYxxL06	33.2x10.3	Full Angle:38°	
4 in 1	LL03LU-DMxxL06	23.1x11	FWHM:40°	
	LL03LU-DOxxL06	35x10.6	FWHM:25° 40°	
	LL04ED-UYxxL06	37x10.3	Full Angle:25° 40°	
	LL04LU-DNxxL06	25.4x10.5	Full Angle:40°	
6 in 1	LL04LU-DOxxL06	35x10.4	Full Angle:25° 40°	
	LL06CR-AXNxxL06-M2	76x13	FWHM:25°	V
	LL06ED-ADxxL06	73.3x11.5	Full Angle:25°	
	LL06CR-AXMxxL06-M2	76x13	FWHM:25°	V
7 in 1	LL06CR-AXLxxL06-M2	76x13	FWHM:25°	V
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
9 in 1	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
12 in 1	LL12ED-AGxxL06	112x13.4	Full Angle:40°	
	LL12ED-BGxxL06	95x11.2	Full Angle:45°	
	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
18 in 1	LL18ED-BLxxL06	110x13.1	Full Angle:40°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2	FWHM:75x135° (Asymmetry)	

OSTAR

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABGxxL02	34x15.7	FWHM:24° 55°	
	LL01CR-ACZxxL02	27.8x10.2	FWHM:24°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:30° 40° 50° 60°	
	LL01CR-NExxL06	19.4x4.9	Full Angle:80°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-WLxxL02	28.8x17.4	FWHM:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 100°	
	LL01CR-ZExxL02	35x20.4	FWHM:20° 45°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-AOxxL06	19.4x13.45	Full Angle:60°	
	LL01ED-AQxxL06	22.5x10.5	Full Angle:60°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38° 60°	
	LL01ED-BBxxL06	35.8x16.5	Full Angle:60°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60° 80°	
	LL01OS-AXxxL02	20x11.5	Full Angle:40° 60°	
3 in 1	LL01OS-BWxxL06	37.2x15.35	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:30°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-AHZxxL02	22.2x10.6	FWHM:38°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01CR-ADTxxL06	35x10.65	Full Angle:40°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL03CR-AZxxL06	50x14.5	Full Angle:45°	
	LL01CR-DL90120L02	26x15.8x9.15	FWHM:90x120° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
Street Lighting	LL01CR-XW70140L02	32x17.6x9.8	FWHM:70x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5	FWHM:80x150° (Asymmetry)	



Duris S5

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01OS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100°	
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60° 80°	
	LL01OS-MQxxL06-M2	21.05x14.3	Full Angle:25° 40° 60°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	

Duris S8

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01CR-DGxxL06	28.8x16.6	Full Angle:20° 30° 40° 50° 60°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:40° 60°	
	LL01ED-ACAxL14	29.9x12.1	FWHM:38°	
	LL01CR-ABGxxL02	34x15.7	FWHM:24°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25°	
	LL01ED-BCQxxL06	34.75x19.25	FWHM:15° 15x30°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01CR-ADTxxL06	35x10.65	FWHM:30°	
Street Lighting	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	

SOLER IQ S13

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CR-BGCxxR49	75x45	FWHM:24° 38°	

SOLER IQ S19

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CT-APGxxL06-M2	84.6x18	FWHM:24° 38°	V
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
Reflector	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

OSTAR RGBW

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01ED-BCQxxL06-M2	38.1x21.2	FWHM:15° 15x30°	V

CI series

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
Reflector	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	

S series

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-CVxxL02	19.6x12.3	Full Angle:25° 45°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:25°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:40° 30x65°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
Reflector	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	

BI / N series

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

HORNET

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AFLxxL02	22.2x10.4	Full Angle:35° 50° 70°	
	LL01ZZ-AHZxxL02	22.2x10.6	Full Angle:24° 38°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WLxxL02	28.8x17.4	Full Angle:15° 25°	

HORNET COLOR

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:15°	
	LL01ED-BCQxxL06	34.75x19.25	FWHM:15° 15x30°	

PHENIX 3020

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM:25° 45° 60°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:25° 40° 60° 30x70°	
	LL01CR-DFxxL06	11.8x6.5	Full Angle:80°	

PROEON

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AOxxL06	19.4x13.5	Full Angle:30° 40° 60° 80° 25x45°	
	LL01ED-CVxxL02	19.6x12.3	Full Angle:15° 25° 45°	

PHENIX 3045

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM:25°	
	LL01NI-AAFxxL02	11.8x6.65	FWHM:45° 60°	
	LL01LU-BDFxxL06-M2	13.5x7.35	FWHM:25° 40° 60° 30x70°	V
	LL01LU-DFxxL06-M2	13.5x7.35	Full Angle:25° 40° 60° 80° 100° 30x65°	V
	LL01CR-HQxxL06	14.8x9.6	Full Angle:15° 25° 30° 40° 60° 80° 25x45°	
	LL01CR-OTxxL06	15x9.7	Full Angle:40° 60° 80°	
	LL01LU-AFCxxL06-M2	21.3x12.35	FWHM:10° 15° 25° 30° 10x35° 15x30°	V
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60° 80° 10x45° 25x45°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30° 10x40°	
	LL01LU-FLxxL06-M2	24.3x11.6	Full Angle:10° 25° 40° 60° 30x65°	V

PROEON COLOR

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:10°	
	LL01ED-BCQxxL06	34.75x19.25	FWHM:15° 15x30°	

PHENIX 3020



PHENIX 3045



PHENIX 3535



PROEON



PROEON COLOR



PHENIX 3535

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25° 45° 60°	V
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:60° 80° 100° 30x65°	V
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:15° 25° 30° 10x35° 15x30°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-NExxL06-M2	21.4x15.8	Full Angle:25° 40° 60° 80° 10x45° 25x45°	V
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30° 10x40°	
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:10° 25° 40° 60° 30x65°	V



LC026B / 033B / 040B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:15° 24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01CT-AZNxxL02-P	88.5x15	FWHM:12° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
Reflector	LL01SP-AVxxL06	42x9.65	FWHM:40°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

LH351Z

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02-M2	13.5x7.35	FWHM:25° 45° 60°	V
	LL01CR-DFxxL06-M2	13.5x7.35	Full Angle:80° 100° 30x65°	V
	LL01CR-OTxxL06	15x9.7	Full Angle:40° 60° 80°	
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:10x35° 15x30°	V
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:15° 25° 30°	V
	LL01NI-ANExL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01CR-BNExL06	19.4x14.6	FWHM:25° 40° 35x70°	
	LL01CR-NExL06-M2	23.5x15.8	Full Angle:17° 25° 40° 60° 25x45°	V
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:60°	
	LL01ZZ-EXxxL06-M2	22.4x9.63	Full Angle:10° 25° 40°	V
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:10° 25° 60° 30x65°	V
	LL03ED-GKxxL06	33.2x10.2	Full Angle:25° 40°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
3 in 1	LL04CR-RXxxL06	35x10.5	Full Angle:40° 60°	
4 in 1	LL04ED-GKxxL06	37x10.3	Full Angle:25° 40°	
	LL06CR-RXxxL06	50x10.5	Full Angle:40° 60°	
7 in 1	LL07ED-GKxxL06	47x10.5	Full Angle:25° 40°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
9 in 1	LL09ED-GKxxL06	67x10.8	Full Angle:25° 40°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
	LL12ED-GKxxL06	67x10.8	Full Angle:25° 40°	
Street Lighting	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	

LC013B / 019B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-FGxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CI-ZOxxL06	60x15.2	FWHM:25° 40°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:15° 24° 38°	
	LL01SP-AVxxL06	42x9.65	FWHM:40°	
	LL01ZZ-AHxxL06	50x25.4	FWHM:5°	
	LL01ED-IHxxL02	87x44.25	Full Angle:60°	
Reflector	LL01CI-AAKxxL06	68.8x19.25	FWHM:25°	
	LL01CI-ZMxxL06	68.8x19.18	FWHM:40°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CT-AJZxxR49	50x19	FWHM:36° 50°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

LH934A

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	

LH351A

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM:25°	
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:15° 25° 30° 40° 60° 80° 25x45°	
	LL01CR-OTxxL06	15x9.7	Full Angle:40° 60° 80°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43	FWHM:15° 25° 30°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-BNExxL06	19.4x14.6	FWHM:25° 40° 60° 35x70°	
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60° 80°10x45° 25x45°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60° 80°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 60° 80° 100°	
	LL01ED-CVxxL02	19.6x12.3	Full Angle:15°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30° 10x40°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:60°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:10° 25° 40° 30x65°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25° 60° 30x65°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WIxxL02	28.8x17.4	Full Angle:15° 25° 40°	
3 in 1	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:40° 60° 80°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25°	
4 in 1	LL04CR-GPxxL06	22.2x6.7	Full Angle:25° 38° 45°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:15° 25° 45°	
	LL04LU-DNxxL06	25.4x10.5	Full Angle:15° 25°	
	LL04CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL04LU-DOxxL06	35x10.4	Full Angle:15° 25°	
	LL04ED-GKxxL06	37x10.3	Full Angle:25° 40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
	LL04CR-CECxxL06	50x8.5	FWHM:9°	
6 in 1	LL06CR-RXxxL06	50x10.5	Full Angle:40° 60°	

Type	Part Number	DxH(mm)	Degree	Holder
7 in 1	LL07ED-GKxxL06	47x10.5	Full Angle:25° 40°	
	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
9 in 1	LL09ED-GKxxL06	67x10.8	Full Angle:25° 40°	
	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12ED-GKxxL06	67x10.8	Full Angle:25° 40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01LU-NI75140L02	15.7x14x5.8	FWHM:75x140° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x150° (Symmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5	FWHM:60x130° (Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	



LH351B

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	Full Angle:25°	
	LL01NI-AAFxxL02	11.8x6.5	Full Angle:45° 60°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01CR-HQxxL06	14.8x9.6	Full Angle:25° 30° 40° 60° 80° 25x45°	
	LL01CR-OTxxL06	15x9.7	Full Angle:40° 60° 80°	
	LL01LU-AFCxxL06	19.4x11.8	Full Angle:10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43	Full Angle:10° 15° 25° 30°	
	LL01NI-ANExxL02	19.4x14.94	Full Angle:10° 20° 30°	
	LL01CR-BNExxL06	19.4x14.6	Full Angle:25° 40° 35x70°	
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60° 25x45°	
	LL01CR-SQxxL06	19.4x12.9	Full Angle:40° 60°	
	LL01CR-YJxxL02	19.4x12.7	Full Angle:40° 60°	
	LL01ED-CVxxL02	19.6x12.3	Full Angle:15°	
	LL01OS-BFVxxL06	20.8x12.35	Full Angle:15° 25° 30° 10x40°	
	LL01CR-BExxL06	20.9x9.2	Full Angle:60°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:10° 25° 40° 30x65°	
	LL01ZZ-AFLxxL02	22.2x10.4	Full Angle:35° 50°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25° 40° 60° 30x65°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
3 in 1	LL03LU-DMxxL06	23.1x11	Full Angle:15° 25°	
	LL03ED-CTxxL06	31x11.2	Full Angle:38°	
	LL03ED-GKxxL06	33.2x10.2	Full Angle:25° 40°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:40° 60° 80°	
	LL03CR-RXxxL06	35x10.5	Full Angle:40° 60°	
	LL03LU-DOxxL06	35x10.6	Full Angle:15° 25°	
4 in 1	LL04CR-GPxxL06	22.2x6.7	Full Angle:25° 38° 45°	
	LL04LU-GPxxL06	22.2x6.8	Full Angle:15° 25° 45°	
	LL04LU-DNxxL06	25.4x10.5	Full Angle:15° 25°	
	LL04ED-GKxxL06	37x10.3	Full Angle:25° 40°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
7 in 1	LL04CR-CECxxL06	50x9.96	FWHM:9°	
	LL07ED-GKxxL06	47x10.5	Full Angle:25° 40°	
9 in 1	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL09ED-GKxxL06	67x10.8	Full Angle:25° 40°	
12 in 1	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL12ED-GKxxL06	67x10.8	Full Angle:25° 40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	

Type	Part Number	DxH(mm)	Degree	Holder
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2	FWHM:85x150° (Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	



LH351B





ZC4 / ZC6

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-BGSxxL06	34x15.7	FWHM:24°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01WT-BSSxxL46	44x12.2	FWHM:24° 32°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
Reflector	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALxxR49	50x19	FWHM:24° 38° 55°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	

ZC12 / ZC18

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
	LL01ZZ-CPQxxL46	74.4x13	FWHM:24° 38°	
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	
	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

ZC25 / ZC40

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01CT-AMYxxL06	76x23	FWHM:24° 38°	
	LL01CR-BAYxxL06	76x22.5	FWHM:24° 38°	
Reflector	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50	FWHM:15° 24° 38°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	

ZC4
ZC6



ZC12
ZC18



ZC25
ZC40





MJT2525



MJT3030



MJT2525

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01XB-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01CR-BDFxxL06-M2	13.5x7.35	FWHM:40° 60°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43	FWHM:10° 15° 25° 30°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-BNExxL06-M2	23.5x15.8	FWHM:25° 40° 35x70°	V
	LL01CR-NExxL06	19.4x15	Full Angle:25° 40° 60° 80°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30° 10x40°	
	LL01CR-BEXxxL06-M2	22.4x9.13	FWHM:40° 60°	V
6 in 1	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
	LL06ED-ATxxL06	73.2x13.5	Full Angle:40°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3	FWHM:60x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	

MJT3030

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01OS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:40° 60°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01OS-AFCxxL06-M2	21.3x12.35	FWHM:15° 25° 30°	V
	LL01CR-BNExxL06	19.4x14.6	FWHM:25° 40° 60° 35x70°	
	LL01CR-NExxL06	19.4x15	Full Angle:17° 25° 40° 60° 80° 10x45°	
	LL01OS-MQxxL06	19.45x13.7	Full Angle:25°	
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:25° 40° 60°	
	LL01OS-EXxxL06-M2	22.4x9.63	Full Angle:25° 40°	V
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
6 in 1	LL06CR-AXMxxL06-M2	76x13	FWHM:15° 25° 35°	V
	LL06ED-ATxxL06	73.2x13.5	Full Angle:40°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	

MJT4040

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	FWHM:25°	
	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01CR-BDFxxL06	11.8x6.45	FWHM:30x70°	
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100° 30x65°	
	LL01LU-AFCxxL06	19.4x11.8	FWHM:10x35° 15x30°	
	LL01NI-ANExxL02	19.4x14.94	FWHM:10° 20° 30°	
	LL01CR-NExxL06	19.4x15	Full Angle:15° 25° 40° 60° 80° 10x45° 25x45°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:10° 25° 40° 60° 30x65°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:10° 25° 40° 60° 30x65°	
4 in 1	LL04CR-CECxxL06	50x9.96	FWHM:9°	
6 in 1	LL06ED-AExxL06	73.3x13.5	Full Angle:25° 40°	
	LL06ED-ATxxL06	73.2x13.5	Full Angle:40°	
	LL06ED-DKxxL06	73.2x13.7	Full Angle:60°	
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1	FWHM:85x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9	FWHM:70x140° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05	FWHM:45x135° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3	FWHM:50x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7	FWHM:45x155° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	

MJT5050

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01NI-AAFxxL02	11.8x6.5	FWHM:45° 60°	
	LL01CR-SQxxL06-M2	21x13.9	Full Angle:40° 60° 80°	
	LL01NI-GRxxL06	19.45x13.5	Full Angle:40° 60°	
	LL01ZZ-EXxxL06	21x9.3	Full Angle:25° 40°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01CR-ADGxxL06-M2	32.8x18	Full Angle:30° 40° 60°	
6 in 1	LL06ED-AExxL06	73.3x13.5	Full Angle:25° 40°	
	LL06ED-ATxxL06	73.2x13.5	Full Angle:40°	
	LL06CR-AXML06-M2	76x13	FWHM:35°	
Street Lighting	LL01CR-OW70130L02	17.4x12.75x7.2	FWHM:70x130° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6	FWHM:70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95	FWHM:80x150° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9	FWHM:60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6	FWHM:60x90° (Symmetry)	
	LL04CR-BXJ80150L02	50x50x7.05	FWHM:80x150° (Asymmetry)	



MJT4040



MJT5050





A4



Z5



A4

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-ALxxL06	19.65x11.4	Full Angle:15°	
	LL01CR-BRxxL06	19.65x12.5	Full Angle:30° 40° 10x45° 15x50° 15x80° 40x90°	
	LL01ED-ALxxL06	19.7x9.9	Full Angle:30x65°	
	LL01CR-BSxxL06	19.8x12.5	Full Angle:10°	
	LL01ZZ-EXxxL06	21x8.75	Full Angle:25°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 60°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-AQxxL06	22.5x10.5	Full Angle:40° 60°	
	LL01ED-ANxxL06	22.7x9.6	Full Angle:15x50°	
	LL01ED-AFDxxL06	26x15.3	FWHM:20°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WbxxL02	28.8x17.4	Full Angle:25° 40°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.4x18.8	Full Angle:25° 40°	
	LL01CR-ZExxL02	35x20.4	Full Angle:20° 30° 45°	
	LL01ED-BBxxL06	35.8x15.9	Full Angle:25°	
	LL01OS-BWxxL06	37.2x15.35	Full Angle:10° 30°	
	LL01OS-BYxxL06	37.2x15.35	Full Angle:10° 30°	
	LL01ED-AYxxL06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01ED-ABYxxL02	44x14.1	Full Angle:24°	
	LL01ED-ZBxxL06	19.6x10.4	Full Angle:15°	
	LL01ED-FMxxL06	19.9x10.55	Full Angle:38°	
	LL01LU-LHxxL06	21x9.15	Full Angle:15°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01CR-ADTxL06	35x10.65	Full Angle:30°	
	LL01ZZ-AHAxxL06	50x25.4	FWHM:5°	

Z5

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-BMxxL06	19.4x13.5	Full Angle:40°	
	LL01XP-DGxxL06-M2	32.8x18	Full Angle:30° 40°	V
	LL01ED-AJxxL06	28.8x19.8	Full Angle:25° 40° 60°	
	LL01ED-AKxxL06	34.6x18.7	Full Angle:25° 40°	
	LL01ED-ASxxR06	19.9x10.6	Full Angle:38°	
	LL01ED-ASxxL06	19.9x10.6	Full Angle:60°	
	LL01ED-BBxxL06	35.7x15.9	Full Angle:60°	
	LL01ED-CTxxL06	31x11.2	Full Angle:38°	
	LL01ED-FMxxL06	19.9x10.6	Full Angle:38°	
	LL01NI-GRxxL06	19.4x13.5	Full Angle:40° 60°	
	LL01OS-AXxxL02	19.7x11.5	Full Angle:40°	
	LL01OS-BWxxL06	37.2x15.4	Full Angle:30°	
	LL01OS-BYxxL06	37.2x15.4	Full Angle:30°	
	LL01OS-CBxxL06	25.6x10	Full Angle:15°	
	LL01ZZ-EXxxL06-M2	22.4x9.7	Full Angle:25° 40° 60°	V
	LL01XP-FLxxL06-M2	24.3x11.5	Full Angle:25° 40° 60°	V
3 in 1	LL03ED-GKxxL06	33.2x10.3	Full Angle:40°	
	LL03LU-DMxxL06	23.1x10.9	FWHM:25° 40°	
	LL03LU-DOxxL06	35x10.5	FWHM:25°	
4 in 1	LL04ED-GKxxL06	37x10.3	Full Angle:40°	
	LL04LU-DNxxL06	25.4x10.4	FWHM:25°	
	LL04LU-DOxxL06	35x10.4	FWHM:25°	
6 in 1	LL06CR-AXNxxL06-M2	76 x 13	FWHM:25°	V
	LL06ED-ADxxL06	73.3x13.9	Full Angle:60°	
	LL06CR-AXMxxL06-M2	76 x 13	FWHM:15° 25°	V
	LL06CR-AXLxxL06-M2	76 x 13	FWHM:25°	V
7 in 1	LL07ED-GKxxL06	47x10.7	Full Angle:40°	
	LL07ZZ-FUxxL06	50.3x10.8	FWHM:25°	
	LL007ZZ-FVxxL06	39.1x10.6	FWHM:25°	
9 in 1	LL09ED-ACxxL06	95x12.8	Full Angle:25°	
	LL09ED-ATxxL06	90.6x16.5	Full Angle:40°	
	LL09ED-GKxxL06	67x9.8	Full Angle:40°	
12 in 1	LL12ED-AGxxL06	122x13.5	Full Angle:45°	
	LL12ED-GKxxL06	67.8x10.8	Full Angle:40°	
15 in 1	LL15ED-BHxxL06	95x11.1	Full Angle:40°	
24 in 1	LL24ED-ABxxL06	174.5x12.5	Full Angle:45°	
36 in 1	LL36ED-AAxxL06	140x12.7	Full Angle:45°	

Z5P

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01CR-DFxxL06	11.8x6.65	Full Angle:80° 100°	
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:10x35° 15x30°	V
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:10° 15° 25° 30°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01NI-BNExxL06-M2	21.4x15.8	FWHM:40° 35x70°	V
	LL01NI-NExxL06-M2	21.4x15.8	Full Angle:25° 40° 60° 80°	V
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30°	
	LL01CR-EXxxL06-M2	23x10.63	Full Angle:25° 40° 60° 30x65°	V
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:25° 40° 60° 30x65°	V
3 in 1	LL03OS-GKxxL06	33.2x9.8	Full Angle:25° 60°	
	LL03CR-RXxxL06	35x10.5	Full Angle:25° 40° 60°	
4 in 1	LL04LU-DNxxL06	25.4x10.5	Full Angle:25°	
	LL04CR-RXxxL06	35x10.5	Full Angle:25° 40° 60°	
	LL04OS-GKxxL06	37x9.8	Full Angle:60°	
6 in 1	LL06CR-RXxxL06	50x10.5	Full Angle:25° 40° 60°	
7 in 1	LL07OS-GKxxL06	47x9.8	Full Angle:60°	
	LL07CR-RXxxL06	50x10.3	Full Angle:40° 60°	
9 in 1	LL09OS-GKxxL06	67x9.8	Full Angle:60°	
	LL09CR-RXxxL06	70x10.3	Full Angle:40° 60°	
12 in 1	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:60°	
	LL12CR-RXxxL06	70x10.3	Full Angle:40° 60°	
36 in 1	LL36ED-AAxxL06	140x12.6	Full Angle:45°	

Z5M1/M2

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:25°	V
	LL01HS-AAFxxL02-M2	13.5x7.35	FWHM:45° 60°	V
	LL01HS-DFxxL02-M2	13.5x7.35	Full Angle:80° 100°	V
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:10x35° 15x30°	V
	LL01CR-AFCxxL06-M2	21.3x12.35	FWHM:10° 15° 25° 30°	V
	LL01NI-ANExxL02-M2	23.5x15.8	FWHM:10° 20° 30°	V
	LL01CR-BNExxL06	19.4x14.6	FWHM:40° 35x70°	
	LL01NI-NExxL06-M2	21.4x15.8	Full Angle:17° 25° 40° 60° 80°	V
	LL01OS-BFVxxL06	20.8x12.35	FWHM:15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:60°	
	LL01CR-EXxxL06-M2	23x10.63	Full Angle:25° 40° 60° 30x65°	V
	LL01XP-FLxxL06-M2	24.3x11.6	Full Angle:25° 40° 60° 30x65°	V
	LL01NI-BYKxxL19	16x8	FWHM:30° 40° 60° 25x45°	
	LL03OS-GKxxL06	33.2x9.8	Full Angle:40° 60° 80°	
	LL03CR-RXxxL06	35x10.5	Full Angle:60°	
3 in 1	LL03ED-UYxxL06	33.2x10.3	Full Angle:40°	
4 in 1	LL04LU-DNxxL06	25.4x10.5	Full Angle:25°	
	LL04CR-RXxxL06	35x10.5	Full Angle:60°	
	LL04OS-GKxxL06	37x9.8	Full Angle:40° 60° 80°	
	LL04ED-UYxxL06	37x10.3	Full Angle:40°	
	LL04CR-CECxxL06	50x8.5	FWHM:25°	
6 in 1	LL04CR-CECxxL06	50x9.96	FWHM:9°	
	LL06CR-RXxxL06	50x10.5	Full Angle:60°	
7 in 1	LL07OS-GKxxL06	47x9.8	Full Angle:40° 60° 80°	
	LL07CR-RXxxL06	50x10.3	Full Angle:60°	
	LL07ZZ-FVxxL06	39.2x10.8	Full Angle:25° 30° 60°	
	LL07ED-UYxxL06	47x10.3	Full Angle:40°	
	LL07ZZ-FUxxL06	50.35x10.7	Full Angle:25°	
9 in 1	LL09OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL09CR-RXxxL06	70x10.3	Full Angle:60°	
	LL09ED-UYxxL06	67x10.3	Full Angle:40°	
12 in 1	LL12ED-UYxxL06	67x10.3	Full Angle:40°	
	LL12OS-GKxxL06	67x9.8	Full Angle:40° 60° 80°	
	LL12CR-RXxxL06	70x10.3	Full Angle:60°	
Street Lighting	LL04CR-BXJxxL02	50x50x7.05	FWHM:60° 90° (Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95	FWHM:45 x155° (Asymmetry)	
	LL04CR-CFN60155L02	50x50x7.3	FWHM:60 x155° (Asymmetry)	

Lens List by LED



Z5P



Z5M1/M2



SHARP

Petite
Zenigata



Mini
Zenigata



Petite Zenigata

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ACZxxL02	27.8x10.2	FWHM:24° 38°	
	LL01ED-ABYxxL02	44x14.1	FWHM:24°	
	LL01CR-AQHxxL02	44x14.1	FWHM:38° 45°	
	LL01CR-BEXxxL06	20.9x9.2	FWHM:25°	
	LL01CR-DGxxL06	28.8x16.75	Full Angle:20° 30° 40° 50° 60°	
	LL01CR-WlxxL02	28.8x17.4	FWHM:25° 40°	
	LL01CR-XSxxL06	22.2x10.6	Full Angle:40°	
	LL01ED-ACZxxL02	35x10.7	FWHM:24° 38°	
	LL01ED-AFDxxL06	26x15.5	FWHM:15° 20°	
	LL01ED-AJxxL06	28.9x19.7	Full Angle:25° 40° 60°	
	LL01ED-AQxxL06	22.5x10.5	Full Angle:40° 60°	
	LL01ED-ASxxL06	19.9x10.55	Full Angle:38°	
	LL01ED-ASxxR06	19.9x10.55	Full Angle:38°	
	LL01ED-ASxxL06	19.9x10.15	Full Angle:60°	
	LL01ED-CVxxL06	19.6x12.3	Full Angle:15° 25° 45°	
	LL01ED-CYxxL06	26.8x20.6	Full Angle:30° 45° 30x65°	
	LL01OS-AXxxL02	20x11.5	Full Angle:20° 40° 60°	
	LL01ZZ-AFLxxL02	22.2x10.4	FWHM:35° 50°	
	LL01ZZ-EXxxL06	21x9.15	Full Angle:40° 30x65°	
	LL01ZZ-FLxxL06	22.2x10.6	Full Angle:25° 40° 60°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
Reflector	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01ED-AJMxxR49	35.2x7.8	FWHM:38°	

Mini Zenigata

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CR-ABHxxL02	50x10.4	FWHM:40° 60°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CR-PVxxL02	45x23.7	Full Angle:45° 60° 80°	
	LL01CR-ZExxL02	35x20.4	FWHM:20° 30° 45°	
	LL01CT-AMYxxL06	75.8x23	FWHM:24°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxxL06-P	90.6x22	FWHM:24° 38°	
	LL01SP-AVAxxL06	42x9.65	FWHM:40°	
	LL01CR-BJLxxL02	35x12.55	FWHM:40°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
Reflector	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CT-AJZxxR49	50x19	FWHM:38° 55°	
	LL01CT-ALNxxR49	75.8x20.1	FWHM:38° 45°	
	LL01CT-ALOxxR49	90.5x23.2	FWHM:24° 38° 45°	
	LL01CT-AMXxxR49	44x11.8	FWHM:45°	
	LL01ED-AJMxxR49	35.2x7.8	FWHM:24° 38°	
	LL01ED-AKAxxR49	85x23.5	FWHM:60°	
	LL01ED-AKVxxR49	50.5x29.5	FWHM:36°	
	LL01ED-AKYxxR49	50x30	FWHM:24° 38° 45°	
	LL01ED-ALlxxR49	50x19	FWHM:4° 38° 55°	
	LL01ZZ-AAAxL49	70x35	FWHM:24° 38° 55°	

Mega Zenigata

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01CT-AMYxxL06	75.8x23	FWHM:24°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22	FWHM:24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:24° 38°	
	LL01SP-AVAXxL06	42x9.65	FWHM:40°	
	LL01CT-AZNxxL02-P	88.5x15	FWHM:15° 24° 38°	
	LL01CR-BAYxxL06	75.8x22.5	FWHM:24° 38°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24° 38°	
	LL01CR-CFExxL02	70x17.5	FWHM:12° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4	FWHM:24° 34° 50°	
Reflector	LL01CIOTxxR2-P	50x30	FWHM:20° 33° 45°	
	LL01CT-ALOxxR49	90.5x23.2	FWHM:24° 38° 45°	
	LL01ED-AKAxxR49	85x23.5	FWHM:60°	
	LL01ED-AKXxxR49	116x32	FWHM:24° 38°	
	LL01ED-ALAXxR49	75x20.1	FWHM:24° 38°	
	LL01ED-ALJxxR49	91.5x23.2	FWHM:24° 38° 45°	
	LL01SP-ASOxxR49	90x50	FWHM:15° 24° 38° 55°	V
	LL01SP-ATHxxR49	75x40	FWHM:15° 24° 38°	V
	LL01ZZ-AAAXxL49	70x35	FWHM:38° 55°	

XTM 9mm LES

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AY10L06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CT-AZNxx02	88.5x15	FWHM:15° 24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24°	
	LL01CR-CEWxxL02	70x15	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24°	
	LL01ZZ-CPQxxL46	74.4x13	FWHM:24° 38°	
	LL01CR-CHQxxL02	35x10.5	FWHM:24° 38°	
	LL01CI-ZNxxL06	44.4x11	Full Angle:25° 40°	
	LL01ZZ-CPRxxL46	47x8.5	FWHM:24° 38°	
	LL01CT-BBXxxL06	69x22.7	FWHM:24° 38°	
	LL01CT-BZNxxL02-P	88.5x15	FWHM:15°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:24° 38°	
	LL01CI-AAKxxL06	68.8x19.25	FWHM:25°	
	LL01CI-ZMxxL06	68.8x19.18	Full Angle:40°	
Reflector	LL01CR-AYGxxR49	75x45	FWHM:15° 24°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM: 38°	

XTM 19mm LES

Type	Part Number	DxH(mm)	Degree	Holder
Single	LL01ED-AY10L06	43.8x24.5	Full Angle:38° / FWHM:10°	
	LL01CR-CENxxL02	70x17.5	FWHM:12° 24° 38°	
	LL01CR-CEWxxL02	70x15	FWHM:12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5	FWHM:12° 24°	
	LL01CT-AZNxx02	88.5x15	FWHM:15° 24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7	FWHM:12° 15° 24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ED-ABXxxL06	75.8x24.35	FWHM:24° 38°	
	LL01ED-ASAxL06-P	90.6x22	FWHM:12° 24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7	FWHM:24° 38°	V
Reflector	LL01CR-AYGxxR49	75x45	FWHM:15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45	FWHM:15° 24° 38°	
	LL01SP-ATHxxR49	75x40	FWHM: 24° 38°	

Lens List by LED

SHARP

Mega
Zenigata



XICATO

XTM
9mmLES

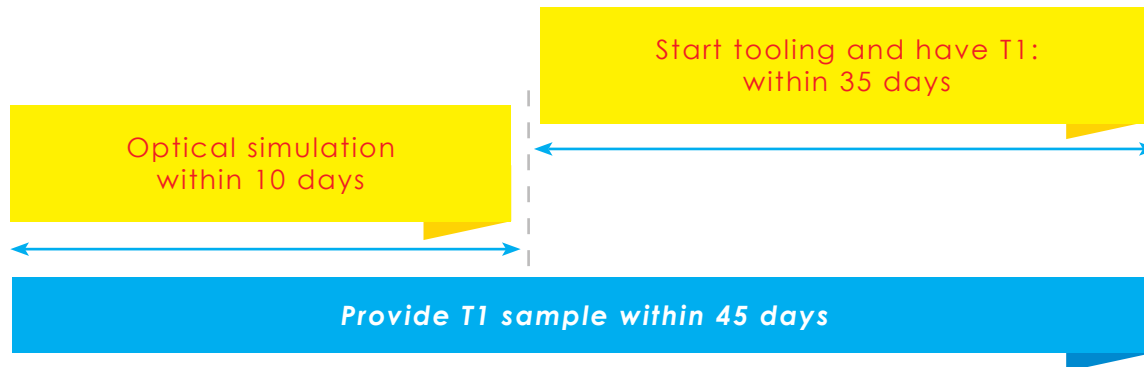


XTM
19mmLES



Customize

- ▶ **Lighting source confirmation:**
LED manufacturer/ Type of LED/ LED spec/ LED sample is required
The LED position layout is needed
- ▶ **Optical requirements confirmation:**
Required beam angle (in full view)/ if in half view, the light intensity curve is needed
Other luminance demands, such as uniformity, certain level of lux in a specific area from a certain distance
- ▶ **Mechanical requirements confirmation:**
The limitation of dimensions is necessary
- ▶ **Installed environment/ application/ other specific requirements, such as material:**





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