



Ledlink Secondary
Optical Lens
Lighting the Real World

2  **16**

ver 16.01



Ledlink

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■ Linking LEDs to the real world ■



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■ Linking LEDs to the real world ■



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LedLink Lens by LED

Linking LEDs to the real world



- 48 ES-ARRAY
 - V6
 - V8
 - Vero10
 - Vero13
 - Vero18
 - Vero29



- 72 COB 10W/13W/
17W/24W
 - 5152
 - H35A
- 73 H35C1



- 93 CI series
 - BI/N series
 - S series
 - HORNET
 - HORNET color
- 94 PHENIX 3020
 - PHENIX 3535
 - PHENIX 3045
 - PROEON
 - PROEON color



- 49 CLL010
 - CLL020/022
 - CLL030/032
 - CLL040/042
 - CLL430
- 50 CLU700
 - CLU710
 - CLU720



- 74 L2C1-1202
 - LHC1-1202/1203
 - LHC1-1204
 - LHC1-1205
 - LHC1-1208
- 75 Rebel
- 76 Rebel ES
- 77 LUXEON A
- 78 LUXEON M/ MZ
 - LUXEON R
 - LUXEON S
- 79 LUXEON T/Tx
- 80 LUXEON Z
 - LUXEON Z ES



- 51 XHP35-HI
 - XHP35-HD
 - XPL-HI
- 52 XHP50
 - XHP70
 - XB-H
- 53 XPL-HD
- 54 MHB
 - MHD
 - XP-E / XP-E2
- 56 XP-G / XP-G2
- 57 MX-3 / MX-6
- 58 XT-E
- 59 XB-D
- 60 XM-L
 - XM-L2
- 61 XM-L EZW
 - XM-L COLOR
 - MC-E
 - MC-E COLOR
- 62 XH-G
- 63 MK-R / MK-R2
 - MT-G / MT-G2
- 64 CXA13xx
 - CXA15xx
- 65 CXA1816 / 1820
 - CXA1830
 - CXA25xx
 - CXA30xx



- 66 1LA5
- 67 EPCX-HR96
 - EPSX-HRB8
 - EPSX-HRBF
 - EPSX-HRBJ
 - EPSX-VF23
- 68 Federal 5050
 - Federal 3535
- 69 Federal 3045
 - Federal5050COLOR



- 81 CXM 6/7
 - CXM 9
 - CXM 11
 - CXM 14
- 82 CXM 18
 - CXM 27
 - SBM 40(RGBW)



- 95 LC026B/033B/040B
 - LC013B / 019B
 - LH351Z
 - LH934A
- 96 LH351A
- 97 LH351B



- 70 JU1215-COB-(4W)
 - JU1215-COB-(7W)
 - JU1215-COB-(10W)
 - JU2024-COB-(15W)



- 83 066A/036B
 - 036A/024B
 - 121A/060B
 - 216A/108B/130B
- 84 NVSxx19A
- 85 NCSxx19A
- 86 NVSxx19B
- 87 NCSxx19B
- 88 NF2x757A/D



- 98 ZC4/ZC6
 - ZC12/ZC18
 - ZC25/ZC40
- 99 MJT2525
 - MJT3030
- 100 MJT4040
 - MJT5050
- 101 A4 / Z5
- 102 Z5P
 - Z5M1/M2



- 71 PB04
 - PB07/10
 - PB15
 - PB20/30
 - PB40



Opto Semiconductors

- 89 Oslon Square
- 90 Oslon SSL80
- 91 Oslon SSL150
 - Ostar
- 92 Duris S5
 - Duris S8
 - SOLER IQ S13
 - SOLER IQ S19
 - Ostar RGBW



- 103 Petite Zenigata
 - Mini Zenigata
- 104 Mega Zenigata



- 104 XTM - 9mm LES
 - XTM - 19mm LES

About Ledlink



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.

2009.05
ISO 9001, ISO14001
Certification approved

2009.12
Dong-Guan secondary
factory established

2011.03
Third factory expansion
in Dong-Guan
Yang-Zhou Ledlink
construction

2011.05
Listed in Emerging Market

2011.09
TS16949 Certification approved



2011.12
Awarded the 16th place of Deloitte
Technology Fast500 Asia Pacific 2011

Deloitte.
Technology Fast500

2008-2009

2010-2011

2012-2013



2008.03
Ledlink established in Taipei



2008.08
Dong-Guan factory
established



2010.01
UL Certification approved



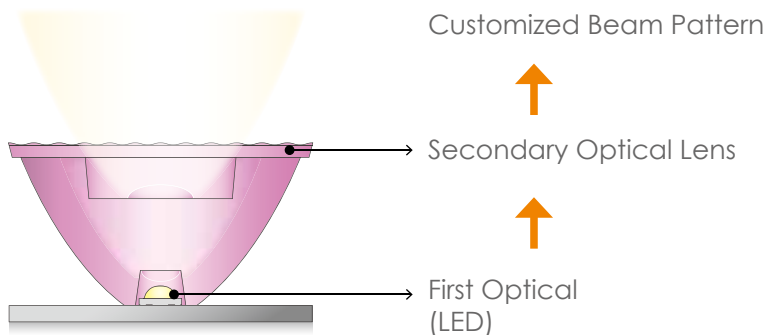
2010.09
Sign Yang-Zhou Ledlink
investment agreement

2012.06
IPO in OTC



2013.08
Yangzhou factory mass
production

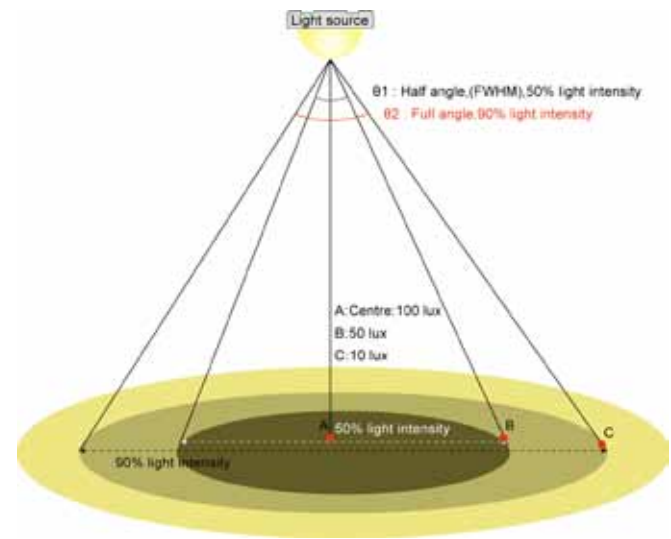
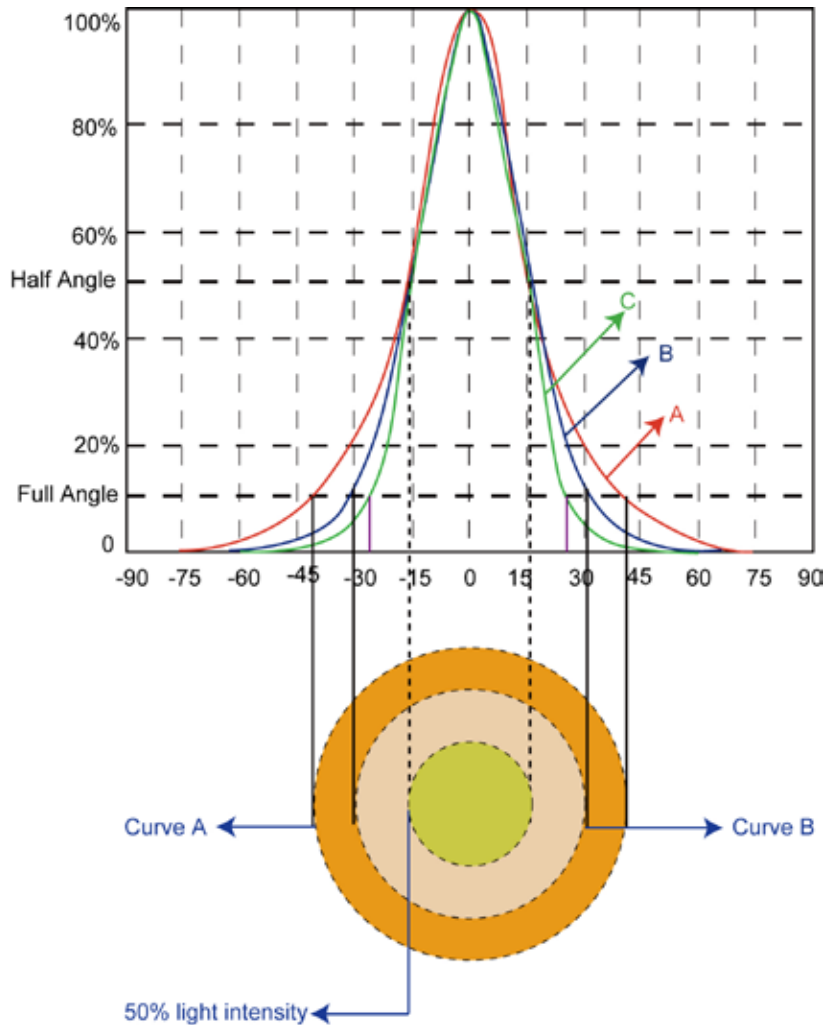
Secondary Optical Lens



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	E	lm/m ² (Lux)	<p>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.)</p> $\text{Illuminance}(E) = \frac{\text{Luminous Flux}(\Phi)}{\text{Area}(A)}$
Luminous Intensity	I	Cd(Candela)	<p>The Luminous Flux in certain direction of light source of solid angle(Ω)</p> $\text{Luminous Intensity}(I) = \frac{\text{Luminous Flux}(\Phi)}{\text{Solid angle}(\Omega)}$
Luminance	L	cd/m ²	<p>Luminance means the luminous intensity(I) per unit of one illuminated area which light radiates or passes through in a given direction.</p> $\text{Luminance}(L) = \frac{\text{Luminous Intensity}(I)}{\text{Area}(A)}$

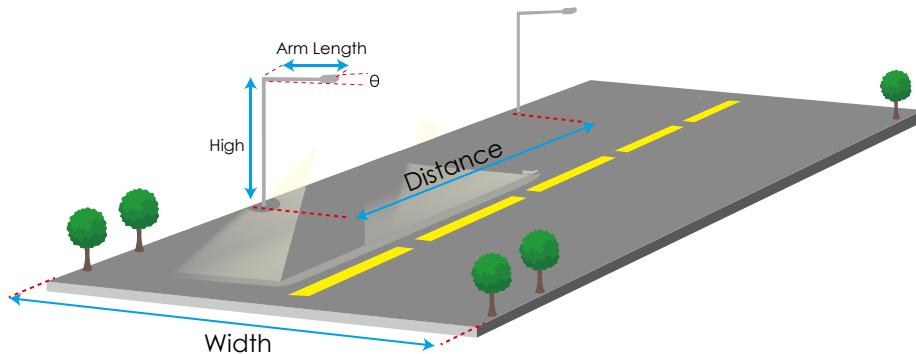
Definition of Beam Angle



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.

Street Lighting



LED requirements:

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

Mechanical requirements:

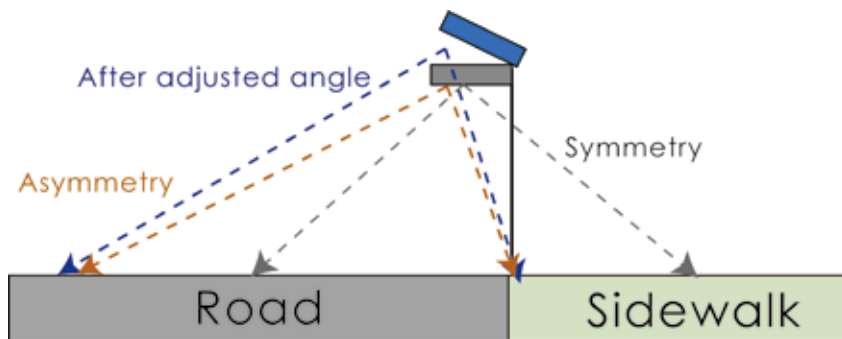
- Dimension limitations:
- Mounting method: Screw/ Thermal mount/ Glue
- Waterproof: Rubber ring height/ Silicon

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 / m²(U_o / U_I / T_I)
- Type1~Type5



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.

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/COB Lens



▶ Reflectors



▶ Multi Lens














▶ Convex Lens

Lens Series








Single Lens



DXH (mm)	Part Number	Degree	LED	Picture
13.5x7.35	LL01CR-DFxxL06-M2 (Tape available)	Full angle: 25° 40° 60° 80° 100° 30x65°	Cree XPE2/ XPG2	
13.5x7.35	LL01LU-DFxxL06-M2 (Tape available)	Full angle: 80° 100° 30x65°	Lumileds Rebel/ Rebel ES	
13.5x7.35	LL01CR-AAFxxL02-M2 (Tape available)	FWHM: 25° 45° 60°	Cree XPE2/ XPG2 Nichia NCS19A/ NVS19A/ NVS19B LGIInnotek H35C1	
13.5x7.35	LL01HS-AAFxxL02-M2 (Tape available)	FWHM: 25° 45° 60°	Cree XPE2/ XPG2(Not for 60°) Nichia NCS19A/ NVS19A/ NVS19B	LGIInnotek H35C1 Prolight Phenix 3535 
13.5x7.35	LL01OS-AAFxxL02-M2 (Tape available)	FWHM: 25° 45° 60°	Nichia NF2x757A	
13.5x7.35	LL01CR-BDFxxL06-M2 (Tape available)	Full angle: 25° 40° 60° 80° 100° 30x65° 30x70°	Cree XBD	
13.5x7.35	LL01OS-BDFxxL06-M2 (Tape available)	Full angle: 25° 40° 60° 80° 100° 30x65° 30x70°	Osram Oslon SSL 80 /150 / Square	
16x8	LL01NI-BYKxxL19	FWHM: 20° 30° 40° 60° 25x45°	Nichia 757D Cree XPE2/XPG2 Lumileds Luxeon T / Z ES	
20.5x20.5 x13.8	LL01CR-CAXxxL06	FWHM: 10x90° 25x90°	Cree XP-E2/ XP-G2/ XPL-HD	
20.8x12.35	LL01OS-BFVxxL06	FWHM: 15° 25° 30° 10x40°	Cree XP-E2/XP-G2/XB-D/XT-E/XPL-HI Lumileds Rebel/Rebel ES/Luxeon Z Seoul Z5/Z5P/Z5 M1(M2)/MJT2525	Osram Oslon SSL 80/Square Samsung LH351A/ B/ Z Prolight Phenix3535/3045 
21x12.6	LL01CR-AAxxL06-M2	Full angle: 20x65°	Cree XPE	













21 mm
|
24 mm

DXH (mm)	Part Number	Degree	LED	Picture
21x13.9	LL01CR-YJxxL02-M2 (Tape available)	Full angle: 40° 60° 80° 100°	Cree XML Edison Federal 5050	
21.05x14.75	LL01OS-MQxxL06-M2	Full angle: 15° 25° 40° 60°	Osram Oslon SSL 80 / Square	
21.3x12.4	LL01LU-AFCxxL06-M2 (Tape available)	FWHM: 10° 15° 25° 30° 10°x35° 15°x30°	Lumileds Rebel/ Rebel ES Prolight PHENIX 3045	
21.3x12.4	LL01OS-AFCxxL06-M2 (Tape available)	FWHM: 10° 15° 25° 30° 50° 10°x35° 15°x30°	Osram Oslon SSL 80 / Square	
21.3x12.4	LL01CR-AFCxxL06-M2 (Tape available)	FWHM: 10° 15° 25° 30° 10°x35° 15°x30°	Cree XPE2/ XPG2 Prolight Phenix 3535(Not for 10°)	
22.2x10.6	LL01ZZ-AHZxxL02	FWHM: 24° 38°	Cree XML/ XML EZW/ XPL Lumileds Luxeon T/Tx Prolight Horent	
22.4x9.7	LL01ZZ-EXxxL06-M2 (Tape available)	Full angle: 10° 25° 40° 60° 110° 30° x 65°	Cree XPE2/ XPG2	
22.4x9.7	LL01LU-EXxxL06-M2 (Tape available)	Full angle: 10° 25° 40° 60° 110° 30° x 65°	Lumileds Rebel/ Rebel ES	
22.4x9.7	LL01OS-EXxxL06-M2 (Tape available)	Full angle: 10° 25° 40° 60° 110° 30° x 65°	Osram Oslon SSL 80 / Square	
22.4x9.7	LL01CR-BEXxxL06-M2 (Tape available)	Full angle: 25° 40° 60°	Cree XBD	
23.5x14.9	LL01NI-GRxxL06-M2	Full angle: 25° 40° 60° 80°	Nichia 183A	














23 mm
|
26 mm

DXH (mm)	Part Number	Degree	LED	Picture
23.5x15.8	LL01NI-ANExxL02-M2 (Tape available)	FWHM: 10° 20° 30° 55°	Cree XPL-HD Nichia NCS19A/ NVS19A/ NVS19B	
23.5x15.9	LL01CR-AOxxL06-M2	Full angle: 60°	Cree XRE	
23.5x17.5	LL01ED-AOxxL06-M2	Full angle: 30° 40° 60° 80° 25x45°	Edison 1LA5	
24.3x11.5	LL01ZZ-FLxxL06-M2 (Tape available)	Full angle: 10° 25° 40° 60° 30x65°	Cree XP-E2/ XP-G2 Nichia NVSxx19B LGIInnotek H35C1	
24.3x11.5	LL01LU-FLxxL06-M2 (Tape available)	Full angle: 10° 25° 40° 60° 30x65°	Lumileds Rebel/ Rebel ES Prolight PHENIX 3045	
24.3x11.5	LL01CR-AFLxxL02-M2 (Tape available)	Full angle: 35° 50° 70°	Cree MK-R/ MT-G Lumileds Luxeon M	
23.6x12.5	LL01LU-AFLxxL02-M2	FWHM: 35° 50° 70°	Cree MK-R / XHP70 Lumileds Luxeon M	
24.3x12.3	LL01CR-FLxxL06-M2	Full angle: 25° 40°	Cree MCE	
25x13	LL01NI-DZxxL06-M2	Full angle: 20x40°	Cree MX6 Nichia NS6x183A	
26x15.5	LL01ED-AFDxxL06	Full angle: 15° 20°	Bridgelux V6 Sharp Petite Zenigata Prolight S series/ Proeon Color	Cree XHG/HPL-HD/XHP50 Edison Federal 5050 Color 






27 mm
|
35 mm

DXH (mm)	Part Number	Degree	LED	Picture
27.8x10.2	LL01CR-ACZxxL02	FWHM: 24° 38°	Cree XP-E/ XM-L2(EZW)/XPL-HD/XHP50 Edison Federal 5050 Osram Oslon Square Sharp Petite Zenigata	
29.8x12.54	LL01CR-BJLxxL02	FWHM: 40°	Bridgelux VERO 10/13 Citizen CLL010/020/022 Cree CXA 13xx/15xx Nichia 036A/024B/066A/036B Lumileds L2C1-1202/LHC1-1202(1203) Sharp Mini Zenigata Seoul ZC4/6	
32.8x18	LL01XP-DGxxL06-M2	Full angle: 20° 30° 40° 50° 60°	Cree XPE2/ XPG2 / XPL-HD (FOR 3535 LED)	
32.8x18	LL01CR-DGxxL06-M2	Full angle: 20° 30° 40° 50° 60°	Cree MCE	
32.8x18	LL01LU-DGxxL06-M2	Full angle: 20° 30° 40° 50° 60°	Cree MKR / XHP70 Lumileds Luxeon M	
32.8x18	LL01CR-WIxxL02-M2 (Tape available)	FWHM: 15° 25° 40°	Cree XML	
34x15.7	LL01CR-BGSxxL06	FWHM: 24°	Cree CXA15xx/XHP70 Seoul ZC4/ZC6 Sharp Mini Zenigata Osram Duris S8	
35x10.7	LL01ED-ACZxxL02	FWHM: 24° 38°	Cree XPE/ XML2(EZW)/ XHG/ XPL-HD/XHP50 Edison Federal 5050 Sharp Petite Zenigata Osram Oslon Square/ Ostar	
35x20	LL01CR-BLU03L06	FWHM: 3°	Cree XPE2/ XPG2/ XML2/ XPL-HD / XPL-HI/XHP35-HI	
35x20.15	LL01CR-ZExxL02	Full angle: 20° 30° 45°	Cree MKR/ MTG2(EZW) /XHP50(70) Luminus CXM6/7 Lumileds Luxeon M/S/ L2C1-1202 Seoul A4 Sharp Mini Zenigata	
35.8x15.75	LL01CR-FOxxL06	Full angle: 40°	Cree XML2 Edison Federal 5050 Lumileds Luxeon T Osram Oslon Square	



38 mm
|
76 mm










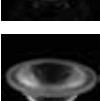
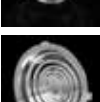
DXH (mm)	Part Number	Degree	LED	Picture
38.1x20.2	LL01ED-BCQxxL06-M1	FWHM: 15° 15x30°	Cree XML Color / XHP50 Edison Federal 5050 Color Osram Ostar SMD color	
38.1x20.9	LL01CR-BCQxxL06-M1	FWHM: 15° 15x30°	Cree MCE Color	
39.1x34.1x32.2	LL01LU-ABWxxL02-M2	FWHM: 10x50°	All single chip LED.	
45x26.3	LL01CR-ANWxxL06	FWHM: 10° 20° 30°	Cree MCE Color Osram Ostar SMD color	
45x26.3	LL01CR-BJHxxL06	FWHM: 10°	Cree XML	
46x27.1	LL01ED-AYxxL06-M2	FWHM: 10° Full angle: 38°	Cree XML2/ MTG2/XHP50/70/MHD/MHB Lumileds Luxeon M / S	
46x27.1	LL01ED-FGxxL06-M2	FWHM: 10° Full angle: 38°	Cree XML2/ XHP50/70/MHD/MHB Lumileds Luxeon M / S	
47.2x25.6	LL01CR-PVxxL02-Mx	Full angle: 45° 60° 80°	Cree XML2/ MTG2/MKR/XHP50/70/MHD/MHB Lumileds Luxeon M / S	
52x27	LL01ZZ-AHAXxL06-M2 (Tape available)	FWHM: 5°	Cree XPE/ XML2 Lumileds Rebel ES Nichia NCS19A/ NVS19A/ NVS19B Osram Oslon SSL 80	
75.8x35.2	LL01CR-ADPxxL06	FWHM: 15° 24° 38°	Cree MKR/ MTG EZW/ MTG2 Lumileds Luxeon M/ Luxeon S	






















Lens Series





COB Solution

Commercial Lighting

DXH (mm)	Part Number	Degree	Material	LED	Picture
29.9x12	LL01ED-ACAxxL14	FWHM: 24° 38°	PC	Cree CXA15xx/MHD Sharp Mini Zenigata	
30x17	LL01NI-QIxxL06-M2	Full angle: 25°	PMMA	Nichia 024B Lumileds L2C1-1202 Sharp Mini Zenigata	
34x15.7	LL01CR-ABGxxL02	Full angle: 24° 38° 55°	PC	Cree MKR2 / MTG2 / XHP50/70/MHB Luminus CXM6/7 Nichia 036B/ 024B/066A/036B Lumileds Luxeon M/ MZ/ S	
35x10.5	LL01CR-CHQxxL02	FWHM: 24° 38°	PC	Cree CXA 13xx/ MKR2 Lumileds L2C1-1202	
35x12.55	LL01CR-BJL40L02	FWHM 40°	PC	Cree CXA13xx /15xx Lumileds L2C1-1202 Citizen CLL010 Seoul ZC4/ZC6	
42x9.65	LL01SP-AVA40L06	FWHM 40°	PMMA	Bridgelux Vero10/13 Cree CXA13xx/ 15xx Citizen CLL010/020/022 Seoul ZC4/6/12/ 18 Lumileds L2C1-1202/LHC1-1202/1203/1204/1205 Nichia 036A/024B/066A/036B/121A/060B Sharp Petite/ Mini/ Mega Zenigata	
44.4x11.05	LL01CI-ZNxxL06	FWHM: 25° 40°	PMMA	Citizen CLL010	
44x12.2	LL01WT-BSSxxL46	FWHM 24° 32°	PC 1225Z	Bridgelux VERO10/13 Cree CXA13xx/15xx/1816/1820 Citizen CLL010/020/022 Nichia 036A/024B/066A/036B Lumileds L2C1-1202/LHC1-1202/1203 Seoul ZC4/6	
44x14.1	LL01ED-ABY24L02	FWHM 24°	PC	Bridgelux V6 / V8 / VERO10 Cree XHP50/ 70 / CXA13xx/15xx Nichia 036A/024B/066A/036B Lumileds L2C1-1202 Luminate CXM6/ 7/ 9	
	LL01CR-AQHxxL02	FWHM 38° 45°		Citizen CLL010 Lumileds L2C1-1202 Luminate CXM6/ 7/ 9 Lextar PB04/07/10 Sharp Petite Zenigata Prolight S series	
44x14.6	LL01NI-BNX38L02	FWHM 38°	PC	Bridgelux Vero10 Citizen CLL010/020/022 Cree CXA13xx Lumileds L2C1-1202/LHC1-1202/1203 Nichia 757D/036A/024B/066A/036B	
47x8.5	LL01ZZ-CPRxxL46	FWHM 24° 38°	PC 1225Z	Cree CXA13xx/ MHB Citizen CLL010 Seoul ZC4/ZC6	

DXH (mm)	Part Number	Degree	Material	LED	Picture
49.2x9.5	LL01CI-WLxxL02	FWHM: 40°	PC	Bridgelux Vero10 Citizen CLL020/022/030/032 Nichia 066A/ 036B Cree CXA13xx/ 15xx Seoul ZC12/18	
50x10.4	LL01CR-ABHxxL02	FWHM: 40° 60°	PC	Bridgelux V8/ V10 Citizen CLL030/032 Lextar PB 07/ 10/ 15 Luminleds Luxeon M/LHC1-1205 Nichia 036A/ 024B/ 066A/ 036B Cree MKR/ MTG2/ CXA13xx/ 15xx Edison EPCX-HR96 Luminus CXM 6/ 7/ 9/ 11/ 14 Seoul ZC4/ZC6 Sharp Mini Zenigata	
50x15	LL01CR-CEWxxL02	FWHM 12° 24° 38°	PC	Bridgelux Vero 13 Citizen CLL020/022/CLU700 Xicato XTM-9mmLES Cree CXA13xx/ 15xx Sharp Mini Zenigata	
60x15.2	LL01CI-ZOxxL06	FWHM: 25° 40°	PMMA	Citizen CLL020/022 Luminus CXM 14	
68.8x19.18	LL01CI-ZMxxL06	FWHM: 40°	PMMA	Citizen CLL030/032	
68.8x19.18	LL01CI-AAKxxL06	FWHM: 25°	PMMA	Citizen CLL030/032	
69x22.7	LL01CT-BBXxxL06	FWHM: 24° 38°	PMMA	Bridgelux Vero10 Luminus CXM14 Citizen CLL020/022 Nichia 121A/ 060B/ 216A/ 108B/ 130B	
70x17.5	LL01CR-CENxxL02	FWHM 12° 24° 38°	PC	Cree CXA15xx Xicato XTM-9 / 19mmLES Citizen CLL020/022/030/032 Sharp Mini/ Mega Zenigata	
70x17.5	LL01CR-CFExxxL02	FWHM 12° 24° 38°	PC	Cree CXA 15xx Citizen CLL020/022/030/032 Sharp Mega Zenigata	
72x12.8	LL01CI-WNxxL02	FWHM: 40°	PC	Bridgelux Vero13 Citizen CLL030 032 Seoul ZC12/18 Cree CXA15xx/ 18xx Nichia 060B/ 121A	
74x3	LL01CR-BAAxxL02	FWHM: 24°	PC	Cree CXA25xx/ 30xx Edison EPCX-HR96/ EPSX-HR88	

DXH (mm)	Part Number	Degree	Material	LED	Picture	
74.4x13	LL01ZZ-CPQxxL46	FWHM 24° 38°	PC 1225Z	Cree CXA15xx / MHD Citizen CLL020/022 Seoul ZC12/ZC18		
76.4x16.7	LL01ZZ-AOFxxL06-Mx	FWHM: 24° 38°	PMMA	Cree CXA13xx/ 15xx/ 1816/ 1820/ 25xx Bridgelux Vero 10/13/18 Edison EPCX-HR96 /EPSX-HRB8 Luminus CXM9/11/14/18 Samsung LC013B/026B/040B Everlight JU1215(10W)/2024 LGIT COB10/13/17/24W Lumileds L2C1-1202/ LHC1-1202/1203/1204/1205/1208 Nichia 066A/036B/121A/060B/216A/108B/130B	Citizen CLL020/ 022/030/032 Seoul ZC12/18 Osram SOLER IQ S13/ S19 Sharp Mini/Mega Zenigata Lextar PB07/10/15/20/30 Prolight CI/BI/N series	
75.8x24.35	LL01ED-ABXxxL06	FWHM: 24° 38°	PMMA	Bridgelux Vero13/ 18 Cree MTG2/ CXA18xx/ 25xx Citizen CLL030/032/040/042 Everlight JU1215(10W)/JU2024 Lumileds LHC1-1204/ 1205/ 1208 Luminus CXM 9/ 11/ 14/ 18 Edison EPCX-HR96/ EPSX-HRB8/ HRBF/HRBJ	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	
76x22.5	LL01CR-BAYxxL06	FWHM: 24° 38°	PMMA	Bridgelux Vero13/ 18 Cree CXA15xx/18xx/25xx/30xx Citizen CLL020/022/030/032 LGIT COB10/13/17/24W Luminus CXM9/ 11/ 14 Everlight JU1215(10W)/ JU2024 Lumileds LHC1-1202/1203/1204/1205/1208 Nichia 066A/036B/060B/121A/130B/108B/ 216A	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	
76x23	LL01CT-AMYxxL06	FWHM: 24° 38°	PMMA	Bridgelux Vero18 Cree CXA1816/ 1820/ 25xx/ 30xx Citizen CLL030/032/040/042 Lumileds LHC1-1204/1205 Lextar PB07/10/15/20/30/40	Osram SOLER IQ S19 Samsung LC026B Seoul ZC12/18/25/40 Prolight CI/BI/N series	
76.1x12.7	LL01CT-AZWxxL02-P	FWHM: 12° 15° 24° 38°	PC	Citizen CLL020/022/030/032 Edison EPCX-HR96 Luminus CXM9/ 11/ 14/ 18		
87x44.25	LL01ED-IHxxL-02	Full angle: 60°	PC	Edison 1LA5/ EPCX-HR96/ EPSX-HRB8/ HRBJ/ HRBF		
88.5x15	LL01CT-AZNxxL02-P	FWHM: 15° 24° 38°	PC	Bridgelux Vero 18 Nichia 121A/ 060B Edison EPCX-HR96 Cree CXA13xx/ 15xx/ 18xx Sharp Mega/ Mini Zenigata	Osram SOLER IQ S13 Citizen CLL030/032 Nichia 121A/060B LGIT COB10/13/17/24W	

DXH (mm)	Part Number	Degree	Material	LED	Picture
90x19.5	LL01CR-CEOxxL02	FWHM 12° 24° 38°	PC	Cree CXA15xx/1816/1820/25xx Xicato XTM-9/19mmLES	Sharp Mega Zenigata Citizen CLL030/032 
90.6x22	LL01ED-ASAxxL06-P	FWHM: 12° 24° 38°	PMMA	Citizen CLL020/022/030/032/040/042 Cree CXA18xx/25xx Lumileds LHCI 1204/ 1205/ 1208 Osram SOLER IQ S13/ S19 Luminus CXM18/27 LGIT COB10/13/17/24W Seoul ZC12/18/25/40 Everlight JU2024 Samsung LC013B Sharp Mega Zenigata Bridgelux Vero18 Lextar PB20/30/40 Nichia 066A/036B/121A/060B/216A/108B/130B	
90.8x22	LL01CT-APGxxL06-Mx	FWHM: 24° 38°	PMMA	Citizen CLL030/ 032 Cree CXA13xx/1816/ 1820/ 25xx/30xx Bridgelux VERO13/18 LGIT COB10/13/17/24W Osram SOLER IQ S13/ S19 Edison EPSX-HRB8/ HRBF/ HRBJ Samsung LC013B/026B/040B Luminus CXM27 Sharp Mini/ Mega Zenigata Lextar PB20/30/40 Everlight JU1215(10W) / 2024 Prolight BI/N series Lumileds LHCI 1202/1203/1204/1205/1208 Nichia 060B/108B/130B/121A/216A	
92.5x27.5	LL01CI-WMxxL02	FWHM: 40°	PC	Cree CXA18xx Nichia 130B/108B/216A Seoul ZC12/18	Citizen CLL030 Bridgelux Vero18 


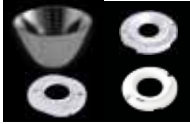




















Lens Series

Reflectors

Commercial Lighting

DXH (mm)	Part Number (Material)	Degree	LED	Picture
35.2x7.8	LL01ED-AJMxxR49 (Aluminum)	FWHM: 24° 38°	Cree CXA1304/15xx(holder) Citizen CLL010 Everlight JU1215COB 4W Nichia 036A/ 024B Sharp Mini/ Petite Zenigata	
44x11.8	LL01CT-AMXxxR49 (Aluminum)	FWHM: 45°	Citizen CLL010(holder) Everlight JU1215COB 4W/ 7W/ 10W Nichia 036A/ 024B Sharp Mini/ Petite Zenigata	
45x19.4	LL01BR-TYRxxR34-P (Plastic Plating)	FWHM: 24° 34° 50°	Citizen CLL010/012/020/022/030/032 Edison EPCX-HR96 Cree CXA13xx/15xx/1816/1820 Sharp Mini/ Mega Zenigata LGInnotek COB 10W/13W/17W/24W Seoul ZC12/18 Everlight JU1215 4W/7W/10W/JU2024 Prolight BI/ N/ S Series	
50x19	LL01CT-AJZxxR49 (Aluminum)	FWHM: 36° 50°	Citizen CLL010/020/022(holder) Lumileds LHC1-1202/ 1203 Cree CXA13xx/15xx Sharp Mini Zenigata Luminus CXM-6/ 7/ 9 Nichia 036A/ 024B/ 066A/ 036B Bridgelux Vero13 Nichia 036A/024B Everlight JU1215 4W/7W/10W	
50x19	LL01ED-ALixxR49 (Aluminum)	FWHM: 24° 38° 55°	Citizen CLL020/022 Lumileds LHC1-1202/1203 Seoul ZC4/6 Cree CXA15xx/1816/1820 Edison EPCX-HR96(holder) Prolight S Series Sharp Mini Zenigata Luminus CXM-6/ 7/ 9 Lextar PB04/ 07/ 10 Nichia 036A/ 024B/ 066A/ 036B Everlight JU1215 4W/ 7W/ 10W/JU2024	
50x30	LL01CIOTxxR2-P (Plastic Plating)	FWHM: 20° 33° 45°	Citizen CLL030/032(holder) Cree CXA15xx(holder)/25xx Edison EPCX-HR96 Lextar PB 07/10/15/20/30 Prolight CI/ BI/ N series Seoul ZC12/18 Sharp Mini /Mega Zenigata Everlight JU1215(4/7/10W)/ JU2024	
50x30/ 50.5x30(45°)	LL01ED-AKYxxR49 (Aluminum)	FWHM: 24° 38° 45°	Cree CXA15xx Edison EPCX-HR96(holder) Seoul ZC4/6 Lextar PB 04/ 07/ 10 Lumileds LHC1-1202/ 1203 Prolight S series Nichia 036A/ 024B/066A/036B Luminus CXM 6/ 7 Everlight JU1215COB 4W/ 7W/ 10W Sharp Mini Zenigata	
50.5x29.5	LL01ED-AKVxxR49 (Aluminum)	FWHM: 36°	Cree CXA15xx/25xx Citizen CLL020/022/030/032 Bridgelux Vero10/ 13 Edison EPSX-HRB8(holder) Nichia 036A/ 024B Sharp Mini Zenigata Luminus CXM 6/ 7/ 9/ 11/ 14 Everlight JU1215 (4/7/10W)/JU2024 LGInnotek COB 10W/13W/17W/24W	
70x35	LL01ZZ-AAAxxL49 (Aluminum)	FWHM: 24° 38° 55°	Citizen CLL020/012/030/032 Bridgelux Vero13 Lextar PB15 Cree CXA15xx/1816/1820 Nichia 066A/036B Prolight BI/ N Series Edison EPCX-HR96 Seoul ZC4/6/12/18 Sharp Mini Zenigata Lumileds LHC1-1204/ 1205/ 1208 Nichia 121A/ 060B/ 216A/ 108B/ 130B LGInnotek COB 10W/13W/17W/24W Everlight JU1215 7W/10W/JU2024	
75x20.1	LL01ED-ALAxR49 (Aluminum)	FWHM: 24° 38°	Cree CXA15xx/18xx Citizen CLL020/022/030/032 Edison EPSX-HRB8(holder) Sharp Mega Zenigata Everlight JU1215 7W/ 10W / JU2024 Nichia 121A/ 060B/ 216A/ 108B/ 130B	

DXH (mm)	Part Numbe (Material)	Degree	LED	Picture		
75x26.9	LL01CR-BSAxxR49 -BZG100L51 (Aluminum+PC)	FWHM: 12° 18°	Cree CXA15xx			
75x40	LL01SP-ATHxxR49 (Aluminum)	FWHM: 15° 24° 30° 38°	Cree CXA15xx/1816/1820/30xx(holder)/1830/25xx Citizen CLL020/022/030/032/040/042(holder) Lumileds LHCI 1202/1203/1204/1205/1208(holder) Nichia 066A/036B/121A/060B/216A/108B/130B Sharp Mega Zenigata(holder) LGInnotek COB 10/13/17/24W	Bridgelux V6/V8 Prolight BI/ N series Lextar PB 20/30/40 Luminus CXM 11/14/ 18 Samsung LC013B/ 026B/ 040B Osram Soler IQ S13/ S19 Seoul ZC12/ 18/ 25/ 40		
75 x 45	LL01CR-AYGxxR49 (Aluminum)	FWHM: 15° 24° 38°	Cree CXA15xx(connector)/1816 Lumileds LHC1-1205/ 1208 Everlight JU1215 7W/10W/JU2024 LGInnotek COB 10/13/17/24W Nichia 066A/036B/121A/060B/216A/108B/130B	Bridgelux Vero10/ 18 Citizen CLL030/032 Lextar PB 15/20/30 Sharp Mini Zenigata	Luminus CXM 14/18 Seoul ZC12/18 Prolight BI/N series	
75x45	LL01CT-AYTxxR35-P (Plastic Plating)	FWHM: 15° 24° 38°	Citizen CLL020/022(connector)/030/032 Cree CXA15xx/18xx(connector)/25xx Samsung LC013B/026B/040B Lumileds LHC1-1205/1208 Nichia 066A/036B/121A/060B/216A/108B/130B	Bridgelux V6/Vero 10/13/18 Everlight JU121510W/ JU2024 Prolight BI/CI/ N series Seoul ZC12/18 Osram Soler IQ S13/S19 Lextar PB 20/ 30		
75x45	LL01CR-BGCxxR49 -BKG15L02 (Aluminum+PC)	FWHM: 15° 24° 38°	Cree CXA18xx			
75.8x20.1	LL01CT-ALNxxR49 (Aluminum)	FWHM: 30° 42°	Cree CXA15xx Nichia 066A/ 036B Everlight JU1215 7W/10W	Citizen CLL020/022(holder) Sharp Mini Zenigata		
85x23.5	LL01ED-AKAxxR49 (Aluminum)	FWHM: 60°	Cree CXA1816/1820/25xx(holder)/30xx Edison EPSX-HRB8/HRBF/HRBJ(holder) Everlight JU1215 10W / JU2024 Nichia 121A/ 060B/ 216A/ 108B/ 130B	Citizen CLL030/032 Lextar PB 20/ 30/ 40 Sharp Mini/ Mega Zenigata		
90x40	LL01CR-BDJxxR49 (Aluminum)	FWHM: 80°	Cree CXA1816/ 1820(holder)			
90x50	LL01LU-BRSxxR49 (Aluminum)	FWHM: 22°	Luminus CXM18(connector)			
90x50	LL01CR-AYMxxR35-P (Plastic Plating)	FWHM: 15° 24° 38°	Cree CXA1830/25xx(connector) Citizen CLL030/032/040/042 LGInnotek COB 10/13/17/24W Prolight CI/BI/N series Seoul ZC12/18/25/40	Nichia 121A/060B/216A/108B/130B Everlight JU1215 10W/JU2024 Lextar PB 20/30/40 Samsung LC013B/040B Osram Soler IQ S13/ S19 Bridgelux Vero 18 Luminus CXM 11/14/18		









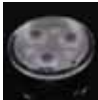

DXH(mm)	Part Number (Material)	Degree	LED	Picture
90x50	LL01SP-ASOxxR49 (Aluminum)	FWHM: 15° 24° 38° 55°	Lextar PB 20/30/ 40 Cree CXA1816/1820(holder)/25xx/30xx (connector) Luminus CXM11/14/18 Citizen CLL030/032/CLL040/042(holder) Prolight CI/ BI/N series Lumileds LHC1-1202/1203/1204/1205/12808(holder) Bridgelux Vero10/13/18 Nichia 121A/ 060B/ 216A/ 108B/ 130B Everlight JU1215 10W/JU2024 Seoul ZC12/18/ 25/40 LGInnotek COB 10/13/17/24W Osram Soler IQ S13/ S19 Sharp Mega Zenigata(holder) Samsung LC013B/ 026B/ 040B	
90x50	LL01CT-AYXxxR35-P (Plastic Plating)	FWHM: 15° 24° 38°	Citizen CLL030/032(connector)/040/042 Cree CXA1830(connector) Prolight CI/ BI/ N series Bridgelux Vero13/18 Samsung LC013B/040B Luminus CXM 11/14/18 Lextar PB 20/ 30/ 40 Seoul ZC12/18/25/40 Everlight JU1215 10W/JU2024 Osram Soler IQS13/19 LGInnotek COB 10/13/17/24W Lumileds LHC1-1205/1208 Nichia 121A/060B/216A/108B/130B	
90.5x23.2	LL01CT-ALOxxR49 (Aluminum)	FWHM: 24° 38° 45°	Cree CXA15xx/1816/1820 Citizen CLL030/032(holder) Sharp Mini/ Mega Zenigata Edison EPSX-HRB8 Everlight JU1215 10W/JU2024 Luminus CXM14	
91.5x23.2	LL01ED-ALJxxR49 (Aluminum)	FWHM: 24° 38° 45°	Cree CXA1816/1820/25xx(holder)/30xx Citizen CLL030/032/040/042 Edison EPSX-HRBF/ HRBJ(holder) Everlight JU1215 10W / JU2024 Nichia Nichia 121A/060B/216A/108B/130B Sharp Mega Zenigata	
93x35	LL01CT-BKY15R49 -BLB110L51 (Aluminum+PC)	FWHM: 15°	Citizen CLL030/032 Seoul ZC12/ZC18	
93x35	LL01CT-BKY24R49 -BLB140L51 (Aluminum+PC)	FWHM: 24°	Citizen CLL030/032 Seoul ZC12/ZC18	
93x35	LL01CT-BKY36R49 -BLB130L51 (Aluminum+PC)	FWHM: 36°	Citizen CLL030/032 Seoul ZC12/ZC18	
93x35	LL01CT-BKY75R49 -BLB120L51 (Aluminum+PC)	FWHM: 75°	Citizen CLL030/032 Seoul ZC12/ZC18	
100x57	LL01CR-BIYxxR49 -BIZ120L02 (Aluminum+PC)	FWHM: 13° 24°	Citizen CLL030/032 Seoul ZC12/ZC18	
116x32	LL01ED-AKXxxR49 (Aluminum)	FWHM: 24° 38°	Cree CXA18xx/25xx(holder)/30xx Citizen CLL030/032/040/042 Edison EPSX-HRBJ/HRBF(holder) Lextar PB 20/ 30/ 40 Nichia 216A/ 108B/ 130B Everlight JU2024 Sharp Mega Zenigata	






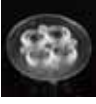





Lens Series

Multi Lens

Commercial Lighting

DXH (mm)	Part Number	Degree	LED	Picture
21.8x7.9	LL03CR-ARHxxL06	FWHM: 38°	Cree XPE	
23.1x10.83	LL03CR-BDMxxL06	FWHM: 20° 40° 60°	Cree XTE	
23.1x11	LL03LU-MKxxL06	Full angle: 15° 25°	Nichia NCSxx19A/ NVSxx19A	
23.1x11	LL03LU-DMxxL06	Full angle: 15° 25° 40°	Cree XPE/XPG Lumileds Rebel Edison Federal 3045 Osram Oslon SSL 80	
33.2x9.8	LL03OS-GKxxL06	Full angle: 25° 40° 60°	Cree XPE/ XPG2/ XTE/ XBD Nichia NCSxx19B/ NVSxx19B Lumileds Rebel Osram Oslon SSL 80/ Square	
		Full angle: 40° 60° 80°	Cree XPE/ XPG (Only for 40°60°) Lumileds Luxeon T/Tx/ Luxeon Z/Z ES Nichia NCSxx19A/ NVSxx19A Samsung LH351A/ LH351B Citizen ET-3535 Osram Oslon SSL 80 Seoul Z5M1	
33.2x10.2	LL03ED-GKxxL06	Full angle: 25° 40° 60°	Edison Federal 3045 Nichia NS6x183A	
33.2x10.15	LL03CR-GKxxL06	Full angle: 80°	Cree XPG2	
35x7	LL03DD-AMGxxL06	FWHM: 38°	Cree XPE Nichia NF2x757A/D	
35x7.9	LL03CR-ARlxxL06	FWHM: 38°	Cree XPE	
35x8.2	LL03CR-HKxxL06	Full angle: 40°	Cree MX6 Lumileds Luxeon A Nichia NS9x383/ NF2x757A Osram Oslon Square	

DXH (mm)	Part Number	Degree	LED	Picture
35x9.2	LL03ED-EKxxL06	Full angle: 25° 40° 60°	Edison 1LA5	
35x10.5	LL03CR-RXxxL06	Full angle: 25°	Cree XPE2/ XPG Lumileds LuxeonT/Tx Seoul Z5/ Z5P	
		Full angle: 40° 60°	Cree XPE/ XPG/ XPG2/ XTE/ XBD Osram Oslon SSL80/ Oslon Square LGIInnotek H35C1 Lumileds Rebel/ RebelES/ LuxeonA/ LuxeonT/Tx/ Luxeon Z/ZES Nichia NCSxx19A/B/ NVSxx19B/ NS6x183A	
35x10.5	LL03NI-QQxxL06	Full angle: 15°	Nichia NVSxx19B/ NCSxx19B	
35x10.6	LL03LU-DOxxL06	Full angle: 15° 25° 40°	Cree XPE/ XPG Lumileds Rebel	
			Edison Federal 3045 Osram Oslon SSL 80/ Square	
35x10.8	LL03CR-BDOxxL06	FWHM: 15° 25°	Cree XBD	
50x14.5	LL03CR-AZxxL06	Full angle: 25° 45° 60°	Cree XPE/XPG	
22x6.7	LL04CR-ABDxxL06	FWHM: 24° 36°	Cree XPE/ XBD	
22.2x6.7	LL04CR-GPxxL06	Full angle: 25° 38° 45°	Cree XPE/ XHG Osram Oslon SSL 80 Samsung LH351A/ LH351B	
22.2x6.8	LL04LU-GPxxL06	Full angle: 15° 25° 45°	Cree XHG Lumileds Rebel/ Rebel Es Samsung LH351A/ LH351B	
25.4x10.5	LL04LU-DNxxL06	Full angle: 15° 25° 40°	Cree XPE/ XPG Lumileds Rebel Osram Oslon SSL 80	

DXH (mm)	Part Number	Degree	LED	Picture
32.8.05x7.65	LL04TS-BTBxxL06-M3	FWHM: 20°	Cree XPE2/ XPG2/ XTE/ XPL Samsung LH351B Nichia NVSxx19B/ NCSxx19B/ NF2x757A/D Lumileds Rebel/ Rebel ES LGInnotek H351C	
35x7	LL04DD-AMGxxL06	FWHM: 38°	Cree XPE Lumileds Rebel ES Nichia NF2x757A/ NF2x757D	
35x10.5	LL04CR-RXxxL06	Full angle: 25°	Cree XPE2/ XPG Edison Federal 3045 Lumileds LuxeonT/Tx Seoul Z5/ Z5P	
		Full angle: 40° 60°	Cree XPE/ XPG/ XPG2/ XTE/ XBD Edison Federal 3535/ 3045/ ET-3535 Lumileds Rebel/ RebelES/ LuxeonA/ T/Tx/ Z/Z ES Nichia NCSxx19A/B/ NVSxx19B/ NS6x183A Osram Oslon SSL80/ Oslon Square Samsung LH351A/ LH351B LGInnotek H35C1 Seoul Z5/ Z5P	
35x10.4	LL04LU-DOxxL06	Full angle: 15° 25° 40°	Cree XPE/ XPG Lumileds Rebel Osram Oslon SSL80/ Square	
35x10.5	LL04NI-DOxxL02	Full angle: 25° 40°	Nichia NCSxx19B/ NF2x757A	
35x10.5	LL04NI-QQxxL06	Full angle: 15°	Nichia NCSxx19A/ NVSxx19A Seoul Z5	
37x9.8	LL04OS-GKxxL06	Full angle: 40° 60° 80°	Cree XPE/ XPG2/ XTE/ XBD (Only for 40°60°) Lumileds Luxeon T/Tx/ Luxeon Z/Z ES Nichia NCSxx19A/ NVSxx19A Samsung LH351A/ LH351B Citizen ET-3535 Osram Oslon SSL 80 Seoul Z5M1	
37x10.3	LL04ED-GKxxL06	Full angle: 25° 40° 60°	Edison Federal 3045	
37x10.61	LL04ZZ-AAAxL06-M2	Full angle: 30° 40° 50° 70° 90° 30°x65°	Cree XPE/ XP2/ XBD	
37x10.61	LL04ZZ-BBBxxL02-M2	Full angle: 40° 70° 100°	Cree XPE/ XP2	

DXH (mm)	Part Number	Degree	LED	Picture
50x8.5	LL04CR-CECxxL06	FWHM: 25° 50°	Cree XPE2/ XPG2/ XPL Nichia NCSxx19B/ NVSxx19B Lumileds Luxeon T Osram Oslon Square	
35.8x6.3	LL05CR-BFRxxL06	FWHM: 25° 40° 60°	Cree XTE Lumileds Luxeon Z/Z ES Nichia NVSxx19B/ NF2x757A	
35.8x6.5	LL05CR-FRxxL06	Full angle: 25° 40° 60°	Cree XPE/ XPG	
50x10.5	LL06CR-RXxxL06	Full angle: 25° 40° 60°	Cree XPE/ XPG/ XML EZW Edison 1LA5/ Federal 3045 Nichia NVSxx19A/ NCSxx19A Osram Oslon SSL80/ Square Lumileds Rebel Seoul A4	
		Full angle: 40° 60°	Cree XPE2/ XPG2/ XTE/ XBD Edison Federal 3535/ 3045 Nichia NCSxx19A/B/ NVSxx19B Osram Oslon SSL80/ Oslon Square Lumileds Rebel/ RebelES/ LuxeonA/ LuxeonT/Tx/ Luxeon Z/Z ES Samsung LH351A LGiInnotek H35C1 Seoul Z5/ Z5P	
76x16.2	LL06ED-AXNxxL06-Mx (Lens:LL06CR-CKxxL06)	FWHM: 25°	Cree XPE/ XML/ XML EZW Nichia NF2x383A/ 183A/B	
76x16.2	LL06ED-AXMxxL06-Mx (Lens:LL06ED-AExxL06) (Lens:LL06ED-DKxxL06)	FWHM: 15° 25° 35°	Cree XML/ XML EZW	
76x16.2	LL06ED-AXLxxL06-Mx (Lens:LL06ED-ATxxL06)	FWHM: 25°	Cree XPE/ XML/ XML EZW/ MKR	
73.3x16	LL06CY-TTxxL06	Full angle: 45°	Cree XPE/ XTE/ XBD	
35.8x6.3	LL07CR-BFRxxL06	FWHM: 25° 40° 60°	Cree XTE Nichia NVSxx19B/ NF2x757A Lumileds LuxeonZ/Z ES	
35.8x6.5	LL07CR-FRxxL06	Full angle: 25° 40° 60°	Cree XPE/ XPG	

DXH (mm)	Part Number	Degree	LED	Picture
39.2x10.8	LL07ZZ-FVxxL06	Full angle: 15° 25° 30° 60°	Cree XPE/ XPG LGInnotek H35C1 Seoul Z5	
47x9.8	LL07OS-GKxxL06	Full angle: 40° 60° 80°	Lumileds Luxeon T/Tx/ LuxeonZ/Z ES Nichia NCSxx19A/ NVSxx19A Seoul Z5M1	
47x10.5	LL07ED-GKxxL06	Full angle: 25° 40° 60°	Edison Federal 3045	
50x10.3	LL07CR-RXxxL06	Full angle: 40° 60°	Cree XPE2/ XPG2/ XTE/ XBD Osram Oslon SSL80/ Oslon Square LGInnotek H35C1 Nichia NCSxx19A/ NVSxx19B/ NCSxx19B Lumileds Rebel/ RebelES/ LuxeonA/ Luxeon T/Tx/ Luxeon Z/ Z ES	
50.35x10.7	LL07ZZ-FUxxL06	Full angle: 15° 25°	Cree XPE/ XPG Lumileds Rebel	
43x8.5	LL08NI-BEBxxL02	FWHM: 25° 40°	Nichia NF2x757A/ NF2x757D	
45x7	LL09CR-FRxxL06	Full angle: 25° 40° 60°	Cree XPE/XPG	
67x9.8	LL09OS-GKxxL06	Full angle: 40° 60° 80°	Cree XPE/ XPG2/ XTE/ XBD (Only for 40° 60°) Citizen ET-3535 Osram Oslon SSL 80 Seoul Z5M1	
67x10.8	LL09ED-GKxxL06	Full angle: 25° 40° 60°	Edison Federal 3045 Nichia NS6x183A	
70x10.3	LL09CR-RXxxL06	Full angle: 40° 60°	Cree XPE2/ XPG2/ XTE/ XBD Osram Oslon SSL80/ Oslon Square LGInnotek H35C1 Nichia NCSxx19A/ NVSxx19B/ NCSxx19B Lumileds Rebel/ RebelES/ LuxeonA/ LuxeonT/Tx/ LuxeonZ/ Z ES	













DXH (mm)	Part Number	Degree	LED	Picture
90.6x18.8	LL09CY-TTxxL06	Full angle: 45°	Cree XPE/ XTE	
45x7	LL12CR-FRxxL06	Full angle: 25° 40° 60°	Cree XPE/ XPG	
67x9.8	LL12OS-GKxxL06	Full angle: 40° 60° 80°	Cree XPE/ XPG2/ XTE/ XBD (Only for 40°60°) Seoul Z5M1 Lumileds Luxeon T/Tx/ Luxeon Z/Z ES Nichia NCSxx19A/ NVSxx19A Osram Oslon SSL 80 Samsung LH351A/ LH351B	
67x10.8	LL12ED-GKxxL06	Full angle: 25° 40° 60°	Edison Federal 3045	
70x10.3	LL12CR-RXxxL06	Full angle: 40° 60°	Cree XPE2/ XPG2/ XTE/ XBD Samsung LH351A Edison Federal 3535/ 3045/ ET-3535 Seoul Z5/ Z5P Osram Oslon SSL80/ Oslon Square LGInnotek H35C1 Nichia NCSxx19A/ NVSxx19B/ NCSxx19B Lumileds Rebel/ RebelES/ LuxeonA/ LuxeonT/Tx/ LuxeonZ/ Z ES	
62x8.5	LL13NI-BEBxxL02	FWHM: 25° 40°	Nichia NF2x757A/ NF2x757D	
73.4x13.1	LL18NI-BEBxxL02	FWHM: 25° 40°	Nichia NF2x757A/ NF2x757D	
99x90x10.3	LL24CR-VExxL02	Full angle: 15°	Cree XPE/ XPG	
113.6x76x9	LL24CR-PFxxL02	Full angle: 15°	Cree XPE/ XPG	
140x12.6	LL36ED-AAxxL06	Full angle: 15° 25° 45°	Edison 1LA5	
180x13.1	LL60ED-BOxxL06	Full angle: 25°	Edison 1LA5 Seoul A4	



Lens Series

Convex Lens

Commercial Lighting

DXH (mm)	Part Number	Degree	LED	Picture
16.7x6.7	LL01ED-AW60L06	Full angle: 60°	All single chip LED.	
22.1x6.8	LL01ED-AV60L06	Full angle: 60°	All single chip LED.	
22.1x7.6	LL01ED-DP60L06	Full angle: 60°	All single chip LED.	
22.1x10.5	LL01ED-CC40L06	Full angle: 40°	All single chip LED.	
22.5x7.6	LL01ED-AQ60R06	Full angle: 60°	All single chip LED.	
26.7x17.8	LL01ED-AQ60R06-M2	Full angle: 60°	Edison 1LA5 Seoul P4	
26.7x17.8	LL01ED-CJ60R06-M2	Full angle: 60°	All single chip LED.	
28.8x7.3	LL01ZZ-FS60L06	Full angle: 60°	All single chip LED.	
37.2x10	LL01OS-DC56L06	Full angle: 56°	All single chip LED.	
37.2x10	LL01OS-BYxxL06	Full angle: 56° 76°	All single chip LED.	
50x6.3	LL01CR-BLF60L06	Full angle: 60°	CREE XPE/XPG/XTE Edison Federal3535 NICHIA NCSxx19A SAMSUNG 3535	
60.3x32.5	LL01ED-AI60L06-M2	Full angle: 60°	All single chip LED.	



Lens Application

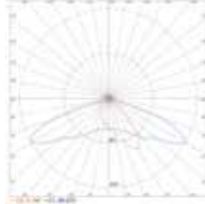
Street Lighting

LL01CR-BZT80140L83-Mx



(Type I ,Short)

LED:
Cree CXA15xx



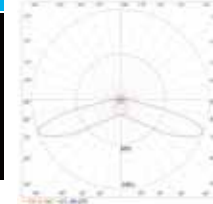
LxWxH(mm): 67x35x17.2
FWHM : 80°x140°

LL01CR-OG85150L02



(Type II ,Medium)

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



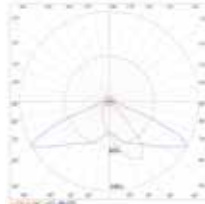
LxWxH(mm): 18x8.95x6.2
FWHM : 85°x150°

LL01OS-AU60140L02



(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



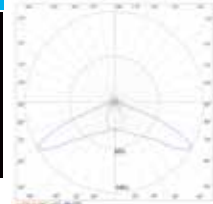
LxWxH(mm): 16x8.8x5.3
FWHM : 60°x140°

LL01CR-FT60135L02



(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



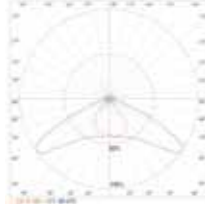
LxWxH(mm): 18x9.3x5.9
FWHM : 60°x135°

LL01CR-OW70130L02



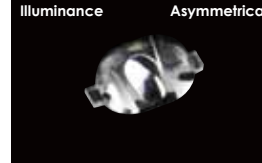
(Type I ,Short)

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



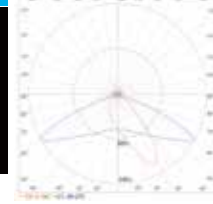
LxWxH(mm): 17.4x12.75x7.2
FWHM : 70°x130°

LL01CR-AU85135L02



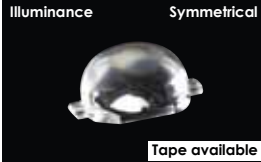
(Type I ,Short)

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



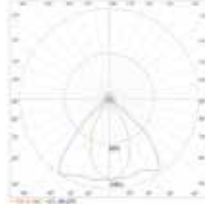
LxWxH(mm): 18x10.2x6.1
FWHM : 80°x135°

LL01CR-KM6090L02



(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



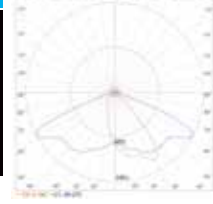
LxWxH(mm): 17.55x11.6x8.6
FWHM : 60°x90°

LL01LU-UQ70140L02



(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



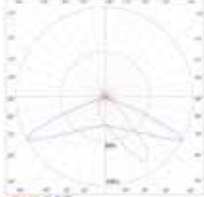
LxWxH(mm): 18x11x6.6
FWHM : 70°x140°

LL01CR-BAJ85135L02



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

(Type I ,Short)



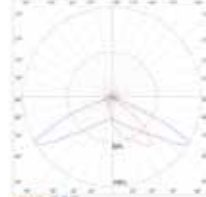
LED:
Cree XPE2/ XPG2/ XBD/ XBH /XHP35-HI
Lumileds Luxeon T
Nichia NVS19B/ 757A/D
Samsung LH351A/ B/ Z
LGInnotek H35C1
Seoul MJT2525/ 3030/ 4040

LL01LU-AIK45135L02



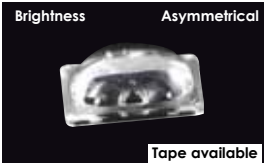
LxWxH(mm): 18x12.5x7.05
FWHM : 45°x135°

(Type II ,Short)



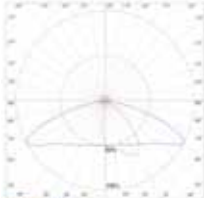
LED:
Cree XPG2/ XBH/ XPL-HD /XHP35-HD(HI)
Lumileds Rebel(ES)/Luxeon T
Nichia NCS19A/ NVS19A/B
LGInnotek H35C1
Samsung LH351A/ B/ Z
Seoul MJT2525/ 3030/ 4040 /Z8Y15/19

LL01LU-AEV50150L02



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

(Type II ,Short)



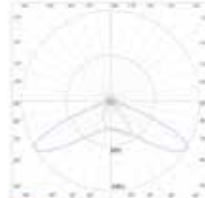
LED:
Cree XPG/XHP35-HI
Lumileds Rebel ES/LuxeonA/T
Nichia NVS19B
Seoul MJT4040

LL01LU-NI75140L02



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

(Type I ,Short)



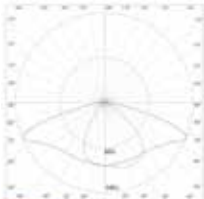
LED:
Cree XPE2/XPG2/XBH /XHP35-HD(HI)
Lumileds Rebel
Samsung LH351A/B/ Z
LGInnotek H35C1

LL01CR-APM80150L02



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

(Type II ,Short)



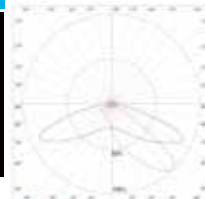
LED:
Cree XPG2/ XBD/ XTE/ XBH/MHB /XPL-HD/XHP35-HD(HI)
Lumileds Rebel /Luxeon T
Nichia NVS19A
Osram Oslon SSL80/Square /Duris S8
Samsung LH351A/ B/ Z
LGInnotek H35C1
Seoul MJT2525/ 3030/ 4040/5050 /Z8Y15/19

LL01ED-AU40130L02



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

(Type II ,Short)



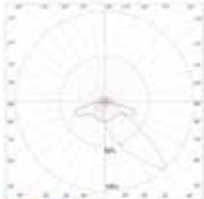
LED:
Edison 1LA5

LL01ZZ-AGX45155L02



LxWxH(mm): 18x12.5x7
FWHM : 70°x135°

(Type III ,Short)



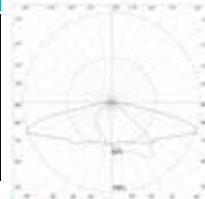
LED:
Cree XPE2(G2)/XBH/XHP35-HI
Lumileds Rebel(ES)/Luxeon A/T
Nichia NCS19A/ NVS19A
Samsung LH351A/ B/ Z
LGInnotek H35A/ H35C1
Seoul MJT2525/3030/Z8Y15/19

LL01ED-ZP55140L02



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

(Type II ,Short)

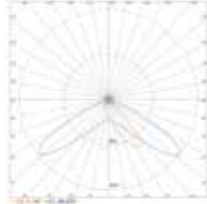


LED:
Edison 1LA5

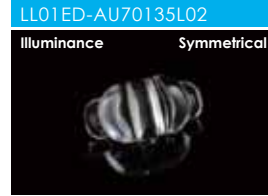


LxWxH(mm): 20x11.7x6.9
 FWHM : 70°x130°

(Type II ,Short)

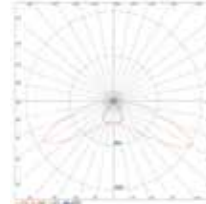


LED:
 Edison 1LA5



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

(Type II ,Short)

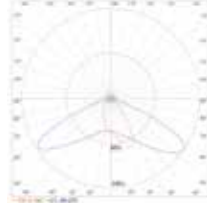


LED:
 Edison 1LA5

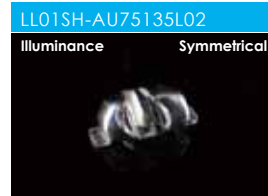


LxWxH(mm): 21x11x9.3
 FWHM : 60°x130°

(Type I ,Short)

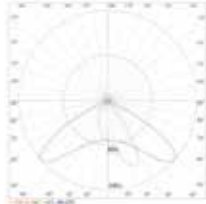


LED:
 Edison 1LA5



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

(Type II ,Short)

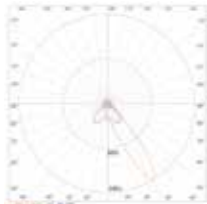


LED:
 Edison 1LA5



LxWxH(mm): 22x19x10
 FWHM : 30°x140°

(Type I ,Short)

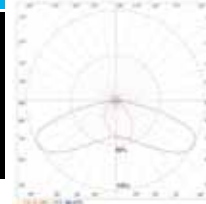


LED:
 Cree XML



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

(Type II ,Short)

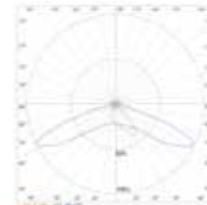


LED:
 Cree MHB
 Samsung LH934A



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

(Type I ,Short)

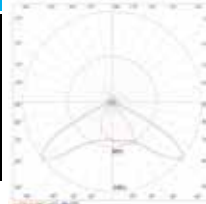


LED:
 Cree XPE2/XPG2/XTE/XBD/XBH
 /XPL-HD/XHP35-HD(HI)
 Nichia NVS19B
 LGInnotek H35A/ H35C1
 Osram Oslon Square
 Samsung LH351A/ B/ Z
 Seoul MJT2525/ 3030/ 4040
 /Z8Y15/19



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

(Type I ,Short)



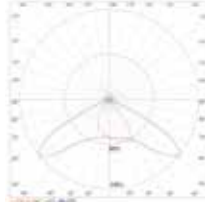
LED:
 Cree XPE/ XPG/ XML2/ XPL-HD

LL01CR-DL90120L02

(Type I ,Short)



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



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

LL01LU-AGV80150L02

(Type II ,Short)



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



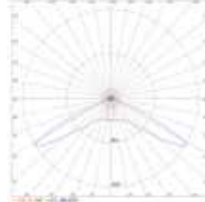
LED:
Cree XPL-HD/XM-L2(EZW)
/MK-R2/XHP50(70)
Lumileds Luxeon M/ MZ
Nichia NS9x383
Osram Ostar/Duris S8

LL01ED-AU50130L02

(Type II ,Short)



LxWxH(mm): 30x11x11.4
FWHM : 50°x130°



LED:
Edison 1LA5

LL01ED-AU40130L02

(Type II ,Short)



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



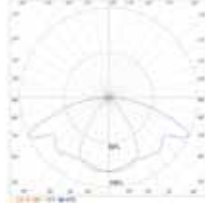
LED:
Edison 1LA5

LL01OS-AU60130L02

(Type I ,Short)



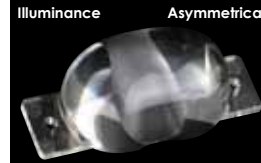
LxWxH(mm): 30.1x14.3x8.5
FWHM : 60°x130°



LED:
Cree XPE2/ XPG/ XBH/ MX3(6)/
/XPL-HD/XHP35-HD(HI)
Edison 1LA5
Lumileds Luxeon T
Nichia NCS19A/ NVS19A/B
/183A/757A/D
Osram DurisS8
Samsung LH351A/B/ Z
LGInnotek H35C1

LL01ED-AU70120L02

(Type I ,Short)



LxWxH(mm): 94x42x28.4
FWHM : 70°x120°



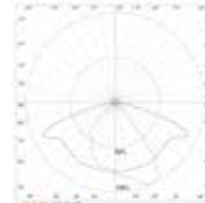
LED:
Cree CXA25xx
Lextar PB20/30/40
Bridgelux Vero10/18/29

LL01CR-XW70140L02

(Type I ,Short)



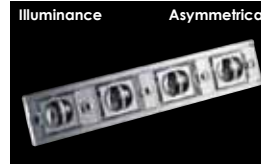
LxWxH(mm): 32x17.6x9.8
FWHM : 70°x140°



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

(Type II ,Short)



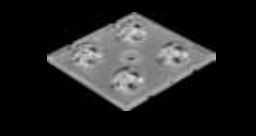
LxWxH(mm): 160x25x9.55
FWHM : 85°x140°



LED:
Edison 1LA5

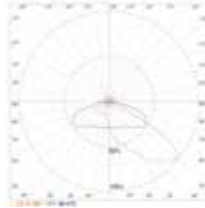
LL04CR-BXJ45155L02

Brightness Asymmetrical



LxWxH(mm): 50x50x6.95
FWHM : 45°x155°

(Type III ,Short)



LED:

Cree XPE2(G2)/XBH
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/XPL-HD/MHB
Lumileds Luxeon T
Seoul Z5M1/M2
Osram Oslon Square

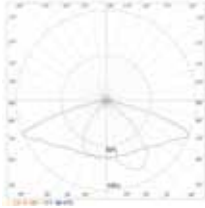
LL04CR-BXJ80150L02

Brightness Asymmetrical



LxWxH(mm): 50x50x7.05
FWHM : 80°x150°

(Type II ,Short)



LED:

Cree XPE2/ XPG2/ XTE/ XBD/
XBH/ XPL-HD
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/XPL-HD/MHB
Lumileds Luxeon T
Nichia 757A(D)
Osram Oslon Square
Seoul Z5M1/M2

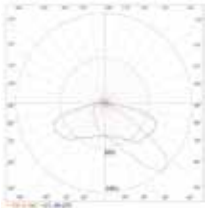
LL04CR-CFN60155L02

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

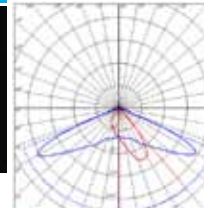
LL04CR-CGM85135L02

Illuminance Asymmetrical



LxWxH(mm): 50x50x7.3
FWHM : 85°x155°

(Type II ,Short)



LED:

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

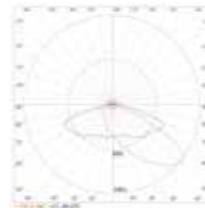
LL04CR-CFN35155L02

Brightness Asymmetrical



LxWxH(mm): 50x50x6.2
FWHM : 35°x155°

(Type II ,Medium)



LED:

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

LL12OS-EL50130L02

Illuminance Asymmetrical



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

(Type I ,Short)



LED:

Cree MX6

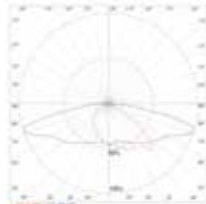
LL12ED-VT851 60L02

Brightness Asymmetrical



LxWxH(mm): 158x50x9.4
FWHM : 85°x160°

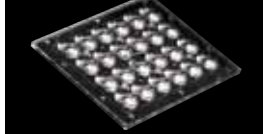
(Type III ,Short)



LED:
Cree MHB
Edison 1LA5
Nichia NVS19A

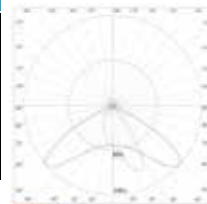
LL24CR-AU751 35L02

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 SSL80/ 150/ Square
LGInnotek H35A
Seoul Z5M1/M2/Z8Y15/19

Silicon gasket available
MCPCB available

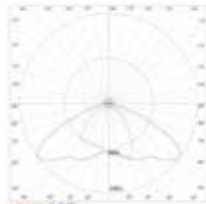
LL14LU-ALY90130L19

Brightness Asymmetrical
Illuminance



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

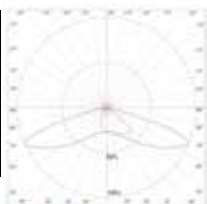
LL24OS-JT1 101 50L02

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

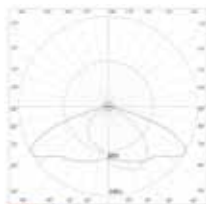
LL14CR-AOC651 50L02

Brightness Asymmetrical
Illuminance



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

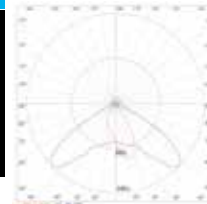
LL24LU-JT601 20L02

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

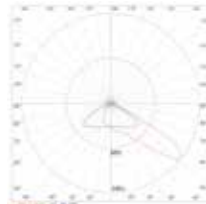
LL20CR-VK601 40L02

Illuminance Asymmetrical



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

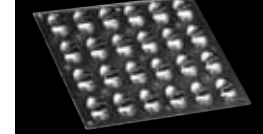
(Type III ,Short)



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

LL24ED-AU751 35L02

Illuminance Asymmetrical



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

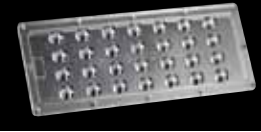
(Type I ,Very Short)



LED:
Edison 1LA5

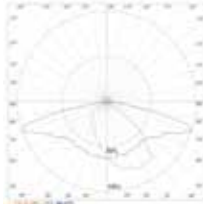
LL28CR-UI65140L14

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

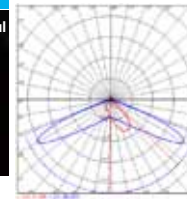
LL18SE-CBZ50150L51

Brightness Asymmetrical



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

(Type I,Short)

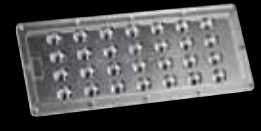


LED:

Seoul MJT3030/ 4040/ 5050

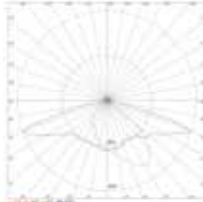
LL28HT-UI65140L14

Illuminance Asymmetrical



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

(Type II,Short)



LED:

Edison 1LA5

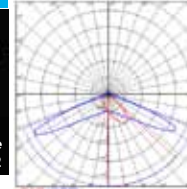
LL22SE-CBZ50150L51

Brightness Asymmetrical



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

(Type I,Short)



LED:

Seoul MJT3030/ 4040/ 5050

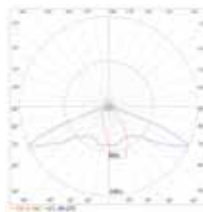
LL30CR-PT60140L02

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

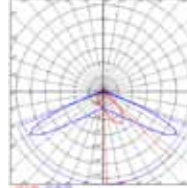
LL28SE-CBZ50150L51

Brightness Asymmetrical



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

(Type I,Short)



LED:

Seoul MJT3030/ 4040/ 5050

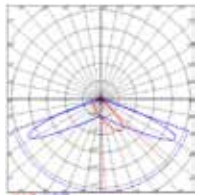
LL16SE-BQL45145L51

Brightness Asymmetrical



LxWxH(mm): 135x112x9.6
FWHM : 45x145°

(Type I,Short)



LED:

Seoul MJT3030/ 4040/ 5050

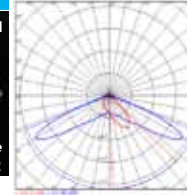
LL36SE-CBZ50150L51

Brightness Asymmetrical



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

(Type I,Short)



LED:

Seoul MJT3030/ 4040/ 5050

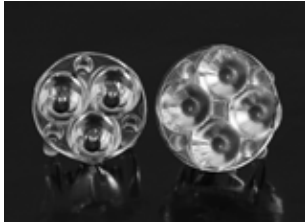


Lens Application

Indoor Lighting

Multi Lens

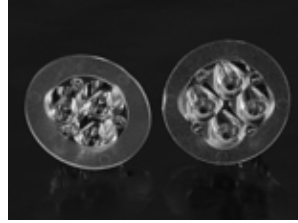
DM/DN Series



LED:
 Cree XPE/ XPG
 Edison Federal
 Lumileds Rebel / Luxeon A
 Nichia NVS19A
 Osram Oslon 80
 Seoul Z5

Part Number	Type	DxH(mm)	FWHM
LL03LU-DMxxL06	3 in 1	23.1x11	15° 25° 40°
LL04LU-DNxxL06	4 in 1	25.4x10.5	

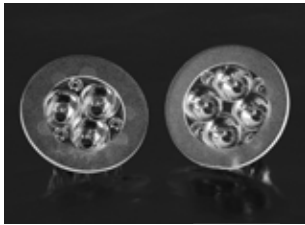
QQ Series



LED:
 Cree XPE/ XPG
 Edison Federal 3045
 Lumileds Rebel / Rebel ES
 Nichia NVS19A / NVS19B
 Osram Oslon 80
 Seoul Z5

Part Number	Type	DxH(mm)	FWHM
LL03NI-QQxxL06	3 in 1	35x10.5	15°
LL04NI-QQxxL06	4 in 1	35x10.5	

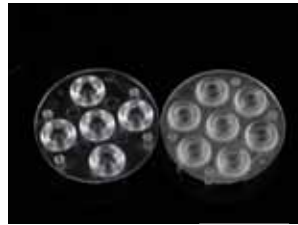
DO Series



LED:
 Cree XPE/ XPG
 Edison Federal
 Lumileds Rebel / Luxeon A
 Nichia NVS19A
 Osram Oslon 80 / Square
 Seoul Z5

Part Number	Type	DxH(mm)	FWHM
LL03LU-DOxxL06	3 in 1	35x10.6	15° 25° 40°
LL04LU-DOxxL06	4 in 1	35x10.4	

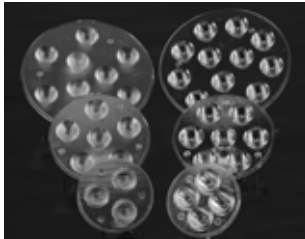
BFR Series



LED:
 Cree XTE
 Nichia NVS19B / 757A

Part Number	Type	DxH(mm)	FWHM
LL05CR-BFRxxL06	5in1	35.8x6.3	25° 40° 60°
LL07CR-BFRxxL06	7in1		

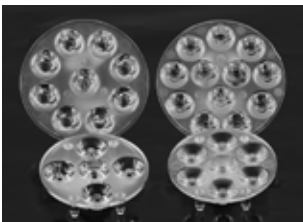
RX Series



Part Number	Type	DxH(mm)	FWHM
LL03CR-RXxxL06	3in1	35x9.6	25° 40° 60°
LL04CR-RXxxL06	4in1	35x9.7	
LL06CR-RXxxL06	6in1	50x9.65	
LL07CR-RXxxL06	7in1	50x10.3	40° 60°
LL09CR-RXxxL06	9in1	70x10.3	
LL12CR-RXxxL06	12in1	70x10.3	

LED:
 Cree XPE/ XPG/ XPG2 / XTE/ XBD
 Edison Federal 3045/3535
 Lumileds Rebel / Rebel ES / Luxeon A
 Nichia NCS19A/NVS19B
 Osram Oslon 80

FR Series

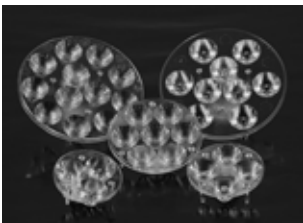


Part Number	Type	DxH(mm)	FWHM
LL05CR-FRxxL06	5in1	35.8x6.5	25° 40° 60°
LL07CR-FRxxL06	7in1	35.8x6.5	
LL09CR-FRxxL06	9in1	45x7 / 45X6.8(60°)	
LL12CR-FRxxL06	12in1	45x7 / 45X6.8(60°)	

LED:

Cree XPE
Edison Federal

ED-GK Series

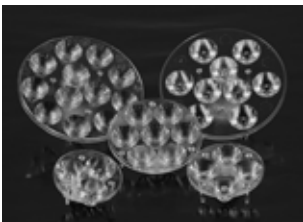


Part Number	Type	DxH(mm)	FWHM
LL03ED-GKxxL06	3in1	33.2x10.2	25° 40° 60°
LL04ED-GKxxL06	4in1	37x10.3	
LL07ED-GKxxL06	7in1	47x10.5 / 47x10.2(25°)	
LL09ED-GKxxL06	9in1	67x10.8 / 67x10.2(25°)	
LL12ED-GKxxL06	12in1	67x10.8 / 67x10.2(25°)	

LED:

Cree XPE/ XPG
Edison Federal 3045
Lumileds Rebel / Rebel ES
Nichia NCS19A/NVS19A/NVS19B

OS-GK Series

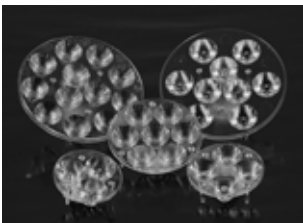


Part Number	Type	DxH(mm)	FWHM
LL03OS-GKxxL06	3in1	33.2x9.8	25° 40° 60° 80°
LL04OS-GKxxL06	4in1	37x9.8	40° 60° 80°
LL07OS-GKxxL06	7in1	47x9.8	
LL09OS-GKxxL06	9in1	67x9.8	
LL12OS-GKxxL06	12in1	67x9.8	

LED:

Lumileds Luxeon T
Nichia NCS19A/NVS19A
Osram Oslon 80 / Square

UY Series



Part Number	Type	DxH(mm)	FWHM
LL03ED-UYxxL06	3in1	33.2x10.3	40° 60°
LL04ED-UYxxL06	4in1	37x10.3	
LL07ED-UYxxL06	7in1	47x10.3	
LL09ED-UYxxL06	9in1	67x10.3	
LL12ED-UYxxL06	12in1	67x10.3	

LED:

Cree XPE/ XPG
Edison Federal 3045
Lumileds Rebel / Rebel ES
Nichia NCS19A/NVS19A/NVS19B



Lens Application

Indoor Lighting

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

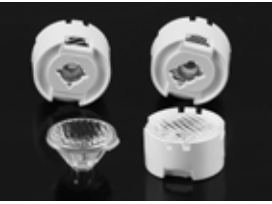


Lens Application

Outdoor Lighting

Wallwasher Lighting

LL01CR-DF3065L06-M2



DxH(mm):
13.5x7.35
Full Angle:
30x65°
Cree XPE/XPG

LL01ED-AO2545L06-M2



DxH(mm):
23.5x17.5
Full Angle:
25x45°
Edison 1LA5

LL01XP-FL3065L06-M2



DxH(mm):
24.3x11.6
Full Angle:
30x65°
Cree XPE2/XPG2/XTE
Nichia NVS19A/B / NCS19B

LL01CR-BRxxL06-M2



DxH(mm):
21.5x13.9
Full Angle:
10x45° 15x50° 15x80° 40x90°
Cree XPE/XPG2

LL01CR-AA2065L06-M2



DxH(mm):
21x12.6
Full Angle:
20x65°
Cree XPE/XPG

LL01ZZ-EX3065L06-M2



DxH(mm):
22.4x9.63
Full Angle:
30x65°
Cree XPE/XPG

LL01CR-CNExxL06-M2



DxH(mm):
23.5x15.8
Full Angle:
10x45° 25x45°
Cree XP-E2/XP-G2/XT-E

LL01NI-BYK2545L19



DxH(mm):
16x8
Full Angle:
25x45°
Cree XPE2 / XPG 2
Nichia NVS19B / NCS19B / 757D

LL01OS-BFV1040L06



DxH(mm):
20.8x12.35
Full Angle:
10x40°
Cree XPE2 / XPG 2/XTE/XBD/ XPL(HI)
Osram OslonSSL80
Lumileds Rebel (ES) / LuxeonZ (ES)
Prolight Phenix3045/3535
Samsung LH351 A/B/Z
Seoul Z5 (P) (M1) (M2) / MJT2525

LL01LU-AFCxxL06



DxH(mm):
19.4x11.8
FWHM:
10° 15° 25° 30° 10x35° 15x30°
Cree XPE/XPL-HI
Nichia NVS19B / NCS19B
Osram Oslon SSL80
Samsung LH351B/Z
Seoul Z5(P)(M1)(M2) / MJT2525
Prolight PHENIX3045

LL01NI-DZ2040L06-M2



DxH(mm):
25x13
FWHM:
20x40°
Cree MX6
Nichia 183A

LL01LU-ABW1050L02



DxWxH(mm):
34x29x3
FWHM :
10x50°
For all single chip LED.



Lens Application

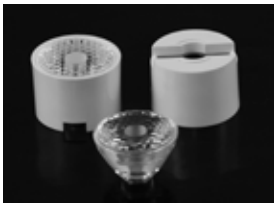
Stage Lighting

LL01OS-MQxxL06-M2



DxH(mm): 21.05x14.75
 Full Angle: 15° 25° 40° 60°
 Osram OslonSSL80/ Square

LL01ED-CVxxL06-M2



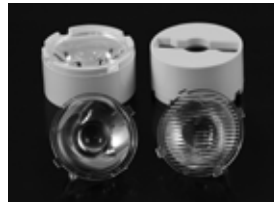
DxH(mm): 21.2x15.1
 FWHM: 15° 25° 45°
 Edison 1LA5

LL01ED-ALxxL06-M2



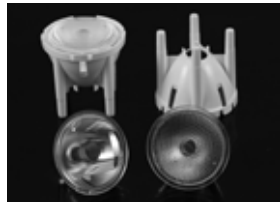
DxH(mm): 21.3x14
 FWHM: 15°
 Full Angle: 30x65°
 Edison 1LA5

LL01ED-ANxxL06-M2



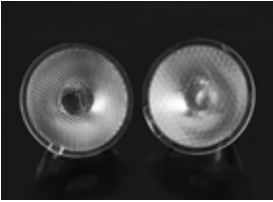
DxH(mm): 25x13.5
 Full Angle: 25° 15x50°
 Edison 1LA5

LL01ED-AJxxL06-M2



DxH(mm): 31x19.3
 Full Angle: 10° 25° 40° 60°
 Cree MCE color/ XML color
 Edison Federal 5050 color
 Osram Ostar

LL01ED-AKxxL06



DxH(mm): 34.4x18.8
 Full Angle: 25° 40°
 Cree MCE color/ XML color
 Edison Federal 5050 color
 Osram Ostar RGBW

LL01ED-BCQxxL06-M1



DxH(mm): 38.1x20.2
 FWHM: 15°
 Full Angle: 30x65°
 Cree XML color
 Edison Federal 5050 color
 Osram Ostar RGBW

LL01CR-BCQxxL06-M1



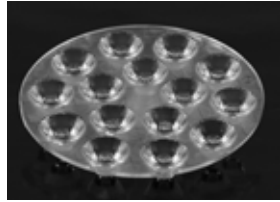
DxH(mm): 38.1x20.9
 FWHM: 15°
 Full Angle: 30x65°
 Cree MCE color

LL01CR-ANWxxL06



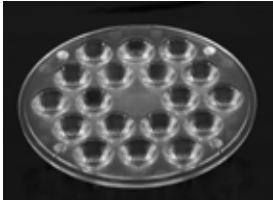
DxH(mm): 45x26.3
 FWHM: 10° 20° 30°
 Cree MCE color
 Osram Ostar RGBW

LL15ED-BHxxL06



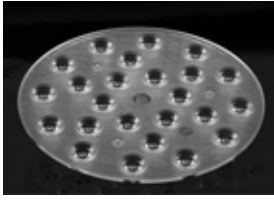
DxH(mm): 95x11.1
 Full Angle: 15° 25° 40°
 Cree XML
 Edison 1LA5

LL18ED-BLxxL06



DxH(mm): 110x13.1
 Full Angle: 15° 25° 40°
 Cree XPE
 Edison 1LA5

LL24ED-ABxxL06



DxH(mm): 174.5x12.5
 Full Angle: 15° 25° 45°
 Cree XPE
 Edison 1LA5

LL36ED-AAxxL06



DxH(mm): 140x12.7
 Full Angle: 15° 25° 45°
 Cree XPE
 Edison 1LA5

LL60ED-BOxxL06



DxH(mm): 180x13.1
 Full Angle: 25° 45°
 Cree XPE
 Edison 1LA5



ES-ARRAY



V6



V8



Vero 10



Vero 13



Vero 18



Vero 29



■ ES-ARRAY

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

■ V6

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01CR-DGxxL06	28.8x16.75	40° 50° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-PVxxL02	45x23.7	45° 80°		
Reflector	LL01ZZ-AOFxxL06-M2	76.4x16.7		38°	V
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		24° 38°	
	LL01CT-AYXxxR35-P	90x50		24° 38°	

■ V8

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AFDxxL06	26x15.5		20°	
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-PVxxL02	45x23.7	45° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CT-AOFxxL06	74.4x13		38°	
	LL01ED-ASAxxL02-P	90.6x22		12°	
	LL01ED-ASAxxL06-P	90.6x22		12°	
Reflector	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		24° 38°	
	LL01CT-AYXxxR35-P	90x50		24° 38°	
	LL01SP-ASOxxR49	90x50		24° 38°	

■ Vero 10

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CT-BBxxL06	69x22.7		24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22		38°	V
	LL01ED-ASAxxL06-P	90.6x22		38°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ED-ABYxxL02	44x14.1		24°	

Reflector	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40		24°	

■ Vero 13

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01CR-CEWxxL02	50x15		12° 24° 38°	
	LL0 1WT-BSSxxL46	44x12.2		24° 32°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	Reflector	LL01CR-AYGxxR49	75x45		15° 24°
LL01CT-AYTxxR35-P		75x45		15° 24° 38°	
LL01SP-ATHxxR49		75x40		15° 38°	
LL01CR-AYMxxR35-P		90x50		24° 38°	
LL01SP-ASOxxR49		90x50		15° 24° 38° 55°	
LL01ZZ-AAAxL49		70x35		24° 38° 55°	
LL01CT-AYXxxR35-P	90x50		15° 24° 38°		

■ Vero 18

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CT-AMYxxL06	76x23		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		24°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ASAxxL02-P	90.6x22		12° 24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
Reflector	LL01SP-ATHxxR49	75x40		15° 30° 38°	
	LL01ED-AKAxxR49	85x23.5		60°	
	LL01CR-AYMxxR35-P	90x 50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
Street Lighting	LL01ED-AU70120L02	94x42x28		70x120° (Asymmetry)	

■ Vero 29

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



■ **CLL010**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		38° 55°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-DGxxL06	28.8x16.75	20° 50°	30° 40° 60°	
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01CT-AMXxxR49	44x11.8		45°	V
	LL01ED-AJMxxR49	35.2x7.8		24° 38°	

■ **CLL020/022**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABHxxL02	50x10.4		60°	
	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01ZZ-AOFxxL06-M2	74.4x13		24° 38°	V
	LL01CT-AZWxxL02-P	76.1x12.7		24° 38°	V
	LL01CT-BBXxxL06	69x22.7		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		38°	
	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01CT-BBXxxL06	69x22.7		24° 38°	
Reflector	LL01CR-BJLxxL02	35x12.55		40°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01CT-ALNxxR49	75.8x20.1		38° 45°	V
	LL01CT-AMXxxR49	44x11.8		45°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	V
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ED-AKYxxR49	50x30		38° 45°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01ED-ALJxxR49	50x19		24° 38° 55°	
	LL01SP-ATHxxR49	75x40		15° 24° 38°	
	LL01TJ-AONxxR49	50x20		60°	
	LL01ZZ-AAAxL49	70x35		24° 38° 55°	

■ **CLL030/032**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxL02-P	90.6x22		12° 24°	
	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	V
Reflector	LL01CT-ALOXxxR49	90.5x23.2		24° 38° 55°	V
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	V
	LL01ED-AKAXxxR49	85x23.5		60°	
	LL01ED-AKXxxR49	116x32		24° 38°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°	
	LL01SP-ASOXxxR49	90x50		15° 24° 38° 55°	
	LL01ZZ-AAAxL49	70x35		24° 38° 55°	
LL01CT-BKYxxR49-BLBxxL51	93x35		15° 24° 36° 75°		

■ **CLL040/042**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	

CLL430



CLL700



CLL710



CLL720



■ CLL430

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABHxxL02	50x10.4		60°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CT-AJZxxR49	50x19		38° 55°	
	LL01CT-ALNxxR49	75.8x20.1		38° 45°	
	LL01CT-AMXxxR49	44x11.8		45°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ED-AKYxxR49	50x30		38° 45°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01ED-ALlxxR49	50x19		24° 38° 55°	
	LL01SP-ATHxxR49	75x40		15° 24° 38°	
LL01TJ-AONxxR49	50x20		60°		
LL01ZZ-AAAxL49	70x35		24° 38° 55°		

■ CLU700

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-CEWxxL02	50x15		12° 24° 38°	
	LL01CR-CHQxxL02	35x10.5		24° 38°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-PVxxL02	45x23.7		45° 60° 80°	

■ CLU710

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-CENxxL02	70x17.5		24°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24° 38°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-PVxxL02	45x23.7		45° 60° 80°	

■ CLU720

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-CENxxL02	70x17.5		24°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24° 38°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-PVxxL02	45x23.7		45° 60° 80°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	

■ XHP35-HI

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BLUxxL06	35x20		3°	
	LL01ZZ-AHAxxL06-M2	50x25.4		5°	V

■ XHP35-HD

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-NExxL06	19.4x14.7	17°		
	LL01NI-ANExxL02	19.4x14.94		10° 20° 30°	
	LL01CR-BLUxxL06	35x20		3°	
	LL01CR-DGxxL06	28.8x16.6	20° 30° 40° 50° 60°		
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	

■ XPL-HI

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-AAFxxL02	11.8x6.65		25°	
	LL01NI-AAFxxL02	11.8x6.5		45°	
	LL01CR-BDFxxL06	11.8x6.45		40° 60° 30x70°	
	LL01OS-BDFxxL06	11.8x6.45		25°	
	LL01CR-DFxxL06	11.8x6.5	80° 100° 30x65°		
	LL01LU-AFCxxL06	19.4x11.8		10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43		10° 15° 25° 30° 50°	
	LL01NI-ANExxL02	19.4x14.94		10° 20° 30°	
	LL01CR-BNExxL06	19.4x14.6	25° 40° 60° 35x70°		
	LL01CR-NExxL06	19.4x14.7	15° 17° 25° 40° 60° 80° 10x45° 25x45°		
	LL01OS-BFVxxL06	20.8x12.35		15° 25° 30° 10x40°	
	LL01CR-BEXxxL06	20.9x9.2	25° 40° 60°		
	LL01ZZ-EXxxL06	21x9.15	10° 25° 40° 60° 30x65°		
	LL01ZZ-AFLxxL02	22.2x10.4		35° 70°	
	LL01ZZ-FLxxL06	22.2x10.6	10° 25° 40° 60° 30x65°		
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01CR-BLUxxL06	35x20		3°	
	LL01ZZ-AHAxxL06	50x25.4		5°	
	LL01CI-WNxxL02	72x12.9		40°	
	LL01CI-WMxxL02	92.5x27.5		40°	
LL01ED-IHxxL02	87x44.25	60°			



XHP35-HI



XPL-HI



XHP35-HD





XHP50



XHP70



XBH



■ **XHP50**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-ADGxxL06-M2	28.8x16.75		12° 24° 36°	V
	LL01CR-PVxxL02-M2	45x23.7	45° 60° 80°		V
	LL01CR-WlxxL02-M2	28.8x17.4	25° 40°		V
	LL01CR-ZExxL02	35x20.4	20° 30° 45°		
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01ED-AJxxL06	28.9x19.35	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-BCQxxL06-M1	34.75x19.25		15°	V
	LL01ED-PMxxL06	34.5x18.6	25°		
6 in 1	LL06ED-BExxL06	43.9x8.6	25°		
	LL06CR-AXNxxL06-M2	76X13		25°	V
	LL06CR-AXMxxL06-M2	76X13		15° 25° 35°	V
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)	

■ **XHP70**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38° 55°	
	LL01CR-BGSxxL06	34x15.7		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-ZExxL02	35x20.4	20° 30° 45°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01ED-PMxxL06	34.5x18.6	25° 45°		
Street Lighting	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)	

■ **XBH**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ADTxxL06	35x10.65		30°	
	LL01CR-BDFxxL06-M2	11.8x6.50		40° 60°	V
	LL01CR-BEXxxL06-M2	20.9x9.2		25° 40° 60°	V
	LL01CR-BNExxL06-M2	19.4x14.6		25° 40° 60°	V
	LL01CR-BRxxL06	19.65x12.5	40° 10x45° 15x50° 15x80° 40x90°		
	LL01CR-DFxxL06	11.8x6.5	60° 80° 100° 30x65°		
	LL01CR-DGxxL06	28.8x16.6	20° 30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.5	30° 40° 60° 80°		
	LL01CR-NExxL06	19.4x14.7	25° 40° 60° 80° 10x45° 25x45°		
	LL01CR-OTxxL06	15x9.6	40° 60° 80°		
	LL01CR-WlxxL02	28.8x17.4	25° 40°		
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.5x18.8	40°		
	LL01ED-ANxxL06	22.6x9.6	15x50°		
	LL01ED-ASxxR06	19.9x10.6	38°		
	LL01ED-ASxxL06	19.9x10.6	60°		
	LL01ED-FMxxL06	19.9x10.55	38°		
	LL01NI-AAFxxL02	11.8x6.5		45° 60°	
	LL01NI-ANExxL02	19.4x15		10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	25° 40° 60° 80°		
	LL01OS-AXxxL02	20x11.5	40° 60°		
LL01OS-CBxxL06	25.6x10	15°			
LL01OS-MQxxL06	19.45x13.7	25° 40° 60°			
LL01ZZ-AFLxxL02	22.2x10.4		35°		
LL01ZZ-EXxxL06	21x9.1	25° 40° 60° 30x65°			
LL01ZZ-FLxxL06	22.2x10.6	10° 40° 60° 30x65°			

■ XPL-HD

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01HS-AAFxxL02-M2	13.5x7.35		45°	V	4 in 1	LL04CR-CECxxL06	50x8.5		25° 50°		
	LL01CR-AFCxxL06-M2	21.3x12.35		25° 10x35° 15x30°	V	6 in 1	LL06ED-BExxL06	43.9x8.6	25°			
	LL01NI-UDxxL02-M2	21.4x15.8		10° 20° 30° 55°	V		LL06CR-AXNxxL06-M2	76x13		25°	V	
	LL01CR-AOxxL06	19.4x13.45		60°			LL06CR-AXMxxL06-M2	76x13		15° 25° 35°	V	
	LL01ED-AOxxL06	19.4x13.45		60° 80°			LL06CR-AXLxxL06-M2	76x13		25°	V	
	LL01NI-NExxL06-M2	21.4x15.8		10x45° 25x45° 25° 60° 80°	V	Street Lighting	LL01CR-DL70130L02	26x12.7x8.65		70x130° (Asymmetry)		
	LL01CR-SQxxL06	19.4x12.6		40° 60° 80°			LL01CR-DL90120L02	26x15.8x9.15		90x120° (Asymmetry)		
	LL01CR-YJxxL02	19.4x12.7		40° 60° 80° 100°			LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)		
	LL01NI-GRxxL06	19.45x13.5		25° 40° 60° 80°			LL01CR-PB70140L02	22.4x11.4x6.9		70x140° (Asymmetry)		
	LL01CR-QGxxL06-M2	21.1x12.4		15° 45°	V		LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)		
	LL01CR-BR1045L06	19.65x12.5		30° 40° 10x45° 15x50° 15x80° 40x90°			LL01OS-AU60140L02	16x8.8x5.3		60x140° (Asymmetry)		
	LL01ED-ALxxL06	19.7x9.9		30x65°			LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)		
	LL01CR-BSxxL06	19.8x12.5		60°			LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)		
	LL01ED-ASxxR06	19.9x10.55		38° 60°			LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)		
	LL01OS-AXxxL02	20x11.5		20° 40° 60°			LL01LU-AEV50150L02	18x12.5x6.3		50x150° (Asymmetry)		
	LL01OS-BFVxxL06	20.8x12.35		15° 25° 10x40°			LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)		
	LL01CR-BEXxxL06-M2	22.4x9.13		40°	V		LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)		
	LL01ZZ-EXxxL06-M2	22.4x9.63		40° 60° 30x65°	V		LL04CR-BXJ80150L02	50x50x7.05		80x150° (Asymmetry)		
	LL01ZZ-AFLxxL02	22.2x10.4			35°		LL04CR-GM85135L02	50x50x6.9		85x135° (Asymmetry)		
	LL01ZZ-AHZxxL02	22.2x10.6			24° 38°		LL04CR-CFN35155L02	50x50x6.5		35x155° (Asymmetry)		
	LL01XP-FLxxL06-M2	24.3x11.6		10° 25° 40° 60° 30x65°	V		LL04CR-CFN60155L02	50x50x7.3		60x155° (Asymmetry)		
	LL01CR-XSxxL06	22.2x10.6		40°			LL04CR-BXJxxL02	50x50x7.3		60° 90° (Symmetry)		
	LL01ED-AQxxL06	22.5x10.45		40°			LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)		
	LL01ED-ANxxL06	22.7x9.6		15x50°			LL14CR-AOC65150L02	260x80.2x11.7		65x150° (Asymmetry)		
	LL01ED-AFDxxL06	26x15.5			15° 20°		LL14LU-ALY90130L19	250x60x9.3		90x130° (Asymmetry)		
	LL01ED-CYxxL06	26.8x20.6		10° 30° 45° 30x65°			LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)		
	LL01CR-ACZxxL02	27.8x10.2			24° 38°							
	LL01XP-DGxxL06-M2	32.8x18		20° 30° 40° 50° 60°	V							
	LL01CR-WlxxL02	28.8x17.4		25° 40°								
	LL01ED-AJxxL06	28.9x19.35		25° 40° 60°								
	LL01ED-ACAxxL14	29.9x12.1			38°							
	LL01ED-CTxxL06	31x11.2		38° 80°								
	LL01ED-ACZxxL02	35x10.7			24° 38°							
	LL01CR-AAxxL06-M2	21x11.4		20x65°	V							
	LL01ED-FM38L06	19.9x10.55		38°								
	LL01LU-LHxxL06	21x9.15		15°								
	LL01OS-CBxxL06	25.6x10		15°								
	LL01CR-ADTxxL06	35x10.65			30°							
	LL01CR-AVCxxL06	28.8x15.95			30°							
	LL01NI-BYKxxL19	16x8			20°							
	LL01CR-CAXxxL06	20.5x20.5			10x90° 25x90°							





MHB



MHD



XP-E



XP-E2



■ MHB

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38°	
	LL01CR-BEXxxL06	9.2x6.8		25°	
	LL01CR-BGSxxL06	34x15.7		24°	
	LL01CR-DGxxL06	28.8x16.6	20° 30° 40° 50°		
	LL01CR-WlxxL02	28.8x17.4	25° 40°		
	LL01CR-XSxxL06	22.2x10.6	25° 40°		
	LL01CR-ZExxL02	35x20.4	20° 30° 45°		
	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01CR-BCQxxL06-M1	38.1x20.9		15° 15x30°	V
	LL01ED-PMxxL06	34.5x18.6	25° 40°		
	LL01ZZ-AFLxxL02	22.2x10.4	35° 50° 70°		
	LL01ZZ-EXxxL06	20.9x9.2	25°		
	LL01ZZ-FLxxL06	22.2x10.6	25°		
	LL01CR-PVxxL02-M2	47.2x25.65	45° 60° 80°		V
	LL01ED-AYxxL06-M2	46x27.1	38°	10°	V
	LL01ED-FGxxL06-M2	46x27.1	38°	10°	V
LL01ZZ-CPRxxL 46	47x8.5		24° 38°		
Street Lighting	LL01OS-EL85135L02	20.3x12.7x7.4		85x135° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15		90x120° (Asymmetry)	

■ MHD

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-PVxxL02-M2	47.2x25.65	45° 60° 80°		V
	LL01ED-ABXxxL06	75.8x24.35		38°	
	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	
	LL01ED-AYxxL06-M2	46x27.1	38°	10°	V
	LL01ED-FGxxL06-M2	46x27.1	38°	10°	V
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ACAxL14	29.9x12		24° 38°	
	LL01ZZ-CPQxxL 46	74.4x13		24° 38°	
Reflector	LL01ED-ALlxxR49	50x19		24° 38° 55°	

■ XP-E / XP-E2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34 x 15.7		24°	
	LL01CR-ACZxxL02	27.8 x 10.2		24° 38°	
	LL01CR-CRxxL06-M2	13.55x7.25	40° 60°		V
	LL01CR-BEXxxL06	20.9 x 9.2	40° 60°		
	LL01CR-BNExxxL06	19.4 x 14.6	40° 35x70°		
	LL01CR-BRxxL06	19.65x12.5	40° 10x45° 15x50° 15x80° 40x90°		
	LL01CR-DFxxL02-M2	13.5 x 7.35	25° 40° 80° 100° 30x65°		V
	LL01XP-DGxxL06-M2	32.8x18	20° 30° 40° 50° 60°		V
	LL01CR-HQxxL06-M2	16 x 10.3	15° 25° 30° 40° 60° 80° 25x45°		V
	LL01CR-NExxxL06-M2	23.5 x 15.8	15° 17° 25° 40° 60° 80° 10x45° 25x45°		V
	LL01CR-OTxxL06-M2	16.6x 10.45	32° 40° 60° 80°		V
	LL01CR-SQxxL06	19.4 x 12.9	40° 60°		
	LL01CR-WlxxL02	28.8 x 16.7		15° 25° 40°	
	LL01CR-YJxxL02	19.4 x 12.6	40° 60°		
	LL01ED-ACZxxL02	35 x 10.7		24° 38°	
	LL01ED-AJxxL06	28.9 x 19.7	25° 40° 60°		
	LL01ED-ALxxL06	19.65 x 11.4	15° 30x65°		
	LL01ED-ANxxL06	22.7 x 9.6	15°x50°		
	LL01ED-CTxxL06	31 x 11.2	38° 80°		
	LL01CR-AFCxxL06-M2	21.3 x 12.4		10° 15° 25° 30° 10x35° 15x30°	V
	LL01CR-AAFxxL02-M2	13.5 x 7.35		25°	V
	LL01NI-ANExxxL02-M2	23.5 x 15.8		10° 20° 30°	V
	LL01NI-GRxxL06	19.45 x 13.5	25° 40° 60° 80°		
	LL01OS-AXxxL02	20 x 11.5	20° 40° 60°		
	LL01OS-MQxxL06	19.45 x 13.7	25° 40° 60°		
	LL01ZZ-EXxxL06-M2	22.4 x 9.7	10° 25° 40° 60° 30x65°		V
	LL01XP-FLxxL06-M2	24.3 x 11.5	10° 25° 40° 60° 30x65°		V
	LL01LU-AAxxL06	19.7 x 13.8	20°x65°		
	LL01LU-LHxxL06	21 x 9.15	15°		
	LL01ZZ-AHAxxL06	50 x 25.4		5°	
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01ED-AKxxL06	34.4x18.8	40°		
	LL01OS-BWxxL06	37.2x15.35	30°		
LL01OS-BYxxL06	37.2x15.35	30°			
LL01ED-FMxxL06	19.9x10.55	38°			
LL01OS-CBxxL06	25.6x10		15°		
LL01CR-AVC30L	28.8 x 15.95		30°	V	
LL01CR-ADI10L06	20 x 18.5		10°		
LL01OS-BFVxxL06	20.8 x 12.35		15° 25° 30° 10x40°		
LL01CR-BLU03L06	35 x 20		3°		
LL01CR-CAXxxL06	20.5x20.5		10x90° 25x90°		

■ XP-E / XP-E2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
3 in 1	LL03CR-AZxxL06	50 x 14.5	25° 45° 60°		
	LL03CR-RXxxL06	35 x 9.6	25° 40° 60°		
	LL03ED-AZxxL06	50.5 x 13	45°		
	LL03ED-UYxxL06	33.2 x 10.3	40°		
	LL03LU-DMxxL06	23.1 x 11		15° 25° 40°	
	LL03LU-DOxxL06	35 x 10.6		15° 25° 40°	
	LL03OS-GKxxL06	33.2 x 9.8	25° 40° 60°		
4 in 1	LL04CR-ABDxxL06	22 x 6.7		24° 36°	
	LL04CR-GPxxL06	22.2 x 6.7	25° 38° 45°		
	LL04CR-RXxxL06	35 x 9.7	25° 40° 60°		
	LL04CR-CECxxL06	50x8.5		25°	
	LL04ED-UYxxL06	37 x 10.3	40°		
	LL04LU-DNxxL06	25.4 x 10.5		15° 25° 40°	
	LL04LU-DOxxL06	35 x 10.4		15° 25° 40°	
	LL04LU-GPxxL06	22.2 x 6.8	45°		
	LL04ED-EXxxL06	25.4 x 10.4	60°		
	LL04ZZ-EXxxL06	25.4 x 10.4	30°		
5 in 1	LL05CR-FRxxL06	35.8 x 6.5	25° 40° 60°		
6 in 1	LL06CR-AXNxxL06-M2	76 x 13		25°	V
	LL06CR-RXxxL06	50 x 9.65	25° 40° 60°		
	LL06ED-ADxxL06	73.3 x 11.5	25° 40° 60°		
	LL06CR-AXMxxL06-M2	76 x 13		15° 25° 35°	V
	LL06CY-TTxxL06	73.3 x 16	45°		
LL06CR-AXLxxL06-M2	76 x 13		25°	V	
7 in 1	LL07CR-FRxxL06	35.8 x 6.5	25° 40° 60°		
	LL07CR-RXxxL06	50 x 10.3	40° 60°		
	LL07ED-UYxxL06	47 x 10.3	40°		
	LL07ZZ-FUxxL06	50.35 x 10.7		15° 25°	
	LL07ZZ-FVxxL06	39.2 x 10.6		15° 25°	
9 in 1	LL09CR-FRxxL06	45 x 7	25° 40° 60°		
	LL09CR-RXxxL06	70 x 10.3	40° 60°		
	LL09ED-UYxxL06	67 x 10.3	40°		
	LL09CY-TTxxL06	90.6 x 18.8	45°		
12 in 1	LL12CR-FRxxL06	45 x 7	25° 40° 60°		
	LL12CR-RXxxL06	70 x 10.3	40° 60°		
	LL12ED-UYxxL06	67 x 10.3	40°		
	LL12OS-GKxxL06	67 x 9.8	40° 60°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
24 in 1	LL24CR-PFxxL02	113.6x76 x 9	15°		
	LL24CR-VExxL02	99x90x10.3	15°		
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1		85x135° (Asymmetry)	
	LL01CR-DL70130L02	26x12.7x8.65		70x130° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15		90x120° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2		85x135° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9		70x140° (Asymmetry)	
	LL01LU-NI75140L02	15.7 x 14 x 5.8		75x140° (Asymmetry)	
	LL01LU-UQ70140L02	18 x 11 x 6.6		70x140° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)	
	LL01OS-AU60140L02	16x8.8x5.3		60x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-CGM85135L02	50x50x6.9		85x135° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05		80 x150° (Asymmetry)	
	LL04CR-BXJxxL02	50x50x7.3		60° 90° (Symmetry)	
	LL20CR-VK60140L02	319.3x52.3x14.6		60x140° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	
LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)		
LL30CR-PT60140L02	235x71x9.4		60x140° (Asymmetry)		
Reflector	LL01CR-YNxxL08-P	19x15.3		10° 20°	



XP-E



XP-E2



■ XP-G/XP-G2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BEXxxL06	20.9 x 9.2	25° 40° 60°			3 in 1	LL03CR-AZxxL06	50x14.5	25° 45° 60°		
	LL01CR-BRxxL06	19.65 x 12.5	40° 15°x80° 40°x90°				LL03CR-RXxxL06	35x9.6	25° 40° 60°		
	LL01CR-DFxxL02-M2	13.5x7.35	25° 40° 60° 80° 100° 30x65°		V		LL03ED-UYxxL06	33.2x10.3	40°		
	LL01XP-DGxxL06-M2	32.8x18	20° 30° 40° 50° 60°		V		LL03LU-DMxxL06	23.1x11		15° 25° 40°	
	LL01CR-HQxxL06-M2	16x10.3	15° 25° 30° 40° 60° 80° 25x45°		V		LL03LU-DOxxL06	35x10.6		15° 25° 40°	
	LL01CR-NExxL06-M2	23.5x15.8	15° 25° 40° 60° 80° 10 x45° 25x45°		V		LL03OS-GKxxL06	33.2x9.8	25° 40° 60°		
	LL01CR-OTxxL06-M2	16.6x10.45	32° 40° 60° 80°		V		LL04CR-RXxxL06	35x9.7	25° 40° 60°		
	LL01CR-SQxxL06	19.4x12.9	40° 60°				LL04CR-CECxxL06	50x8.5		25°	
	LL01CR-YJxxL02	19.4x12.6	40° 60°				LL04ED-UYxxL06	37x10.3	40°		
	LL01ED-AJxxL06	28.9x19.7	40° 60°				LL04LU-DNxxL06	25.4x10.5		15° 25° 40°	
	LL01ED-AKxxL06	34.4x18.8	25° 40°			LL04LU-DOxxL06	35x10.4		15° 25° 40°		
	LL01CR-AAFxxL02-M2	13.5x7.35			25°	V	5 in 1	LL05CR-FRxxL06	35.8x6.5	25° 40° 60°	
	LL01HS-AAFxxL02-M2	13.5x7.35			45°	V	6 in 1	LL06CR-RXxxL06	50x9.65	25° 40° 60°	
	LL01NI-ANExxL02-M2	23.5x15.8			10° 20° 30°	V	LL06ED-ADxxL06	73.3x11.5	25° 40° 60°		
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°				LL06CR-AXMxxL06-M2	76x13		15° 25° 35°	V
	LL01OS-AXxxL02	20x11.5	40°				LL07CR-FRxxL06	35.8x6.5	25° 40° 60°		
	LL01OS-MQxxL06	19.45x13.7	25° 40° 60°				LL07CR-RXxxL06	50x10.3	40° 60°		
	LL01ZZ-EXxxL06-M2	22.4x9.7	10° 25° 40° 60° 30x65°		V	7 in 1	LL07ED-UYxxL06	47x10.3	40°		
	LL01XP-FLxxL06-M2	24.3x11.5	10° 25° 40° 60° 30x65°		V	LL07ZZ-FUxxL06	50.35x10.7		15° 25°		
	LL01ZZ-AHAxxL06	50x25.4			5°		LL07ZZ-FVxxL06	39.2x10.6		15° 25°	
	LL01CR-CRxxL06-M2	13.55x7.25	40° 60°			V	9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°	
	LL01CR-BMxxL06	35.8x15.85	40°				LL09ED-UYxxL06	67x10.3	40°		
	LL01CR-BNExxL06	19.4x14.6	25° 40° 60°				LL12CR-FRxxL06	45x7	25° 40° 60°		
	LL01CR-WBxxL02	28.8x17.4			15° 25° 40°		LL12CR-RXxxL06	70x10.3	40° 60°		
	LL01CR-XSxxL06	22.2x10.6	40°				12 in 1	LL12ED-AGxxL06	112x13.4	45°	
	LL01ED-ANxxL06	22.7x9.6	15x50°				LL12ED-BGxxL06	95x11.2	40°		
	LL01ED-AOxxL06	19.4x13.5	60° 80°				LL12ED-UYxxL06	67x10.3	40°		
	LL01ED-AQxxL06	22.5x10.45	40°				LL12OS-GKxxL06	67x9.8	40° 60°		
	LL01ED-ASxxR06	19.9x10.55	38° 60°				24 in 1	LL24CR-PFxxL02	113.6x76x9	15°	
	LL01OS-BWxxL06	37.2x15.35	30°				LL24CR-VExxL02	99x90x10.3	15°		
	LL01OS-BYxxL06	37.2x15.35	30°								
	LL01CR-CAXxxL06	20.5x20.5			10x90° 25x90°						



XP-G



XP-G2



■ XP-G/XP-G2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1		85x135° (Asymmetry)	
	LL01CR-DL70130L02	26x12.7x8.65		70x130° (Asymmetry)	
	LL01CR-DL90120L02	26x15.8x9.15		90x120° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2		85x150° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9		70x140° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3		50x150° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)	
	LL01LU-NI75140L02	15.7x14x5.8		75x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)	
	LL01OS-AU60140L02	16x8.8x5.3		60x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05		80 x150° (Asymmetry)	
	LL04CR-CFN35155L02	50x50x6.2		35 x155° (Asymmetry)	
LL04CR-CFN60155L02	50x50x7.3		60 x155° (Asymmetry)		
Reflector	LL20CR-VK60140L02	319.3x52.3x14.6		60x140° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4		60x140° (Asymmetry)	

■ MX-3/MX-6

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



**MX-3
MX-6**



■ XT-E



XT-E



Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-AAFxxL02-M2	13.5x7.35		25°	V
	LL01CR-BRxxL06	19.65x12.5	40°		
	LL01CR-DFxxL02-M2	13.5x7.35	80° 100°		V
	LL01XP-DGxxL06-M2	32.8x18	30° 50° 60°		V
	LL01CR-HQxxL06-M2	16x10.3	40° 60° 80°		V
	LL01CR-NExxL06-M2	23.5x15.8	25° 40° 60° 80° 25 x45°		V
	LL01CR-OTxxL06-M2	16.6x10.45	80°		V
	LL01CR-SQxxL06	19.4x12.9	40° 60°		
	LL01CR-WIxxL02	28.8x17.4		25° 40°	
	LL01ED-AKxxL06	34.4x18.8	25°		
	LL01ED-AJxxL06	28.9 x 19.7	25° 40° 60°		
	LL01ED-ASxxR06	19.9x10.55	38° 60°		
	LL01HS-AAFxxL02-M2	13.5x7.35		45° 60°	V
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V
	LL01NI-GRxxL06	19.45x13.5	40° 80°		
	LL01OS-BYxxL06	37.2x15.35	30°		
	LL01OS-MQxxL06	19.45x13.7	25° 40° 60°		
	LL01ZZ-EXxxL06-M2	22.4x9.7	40° 60°		V
	LL01XP-FLxxL06-M2	24.3x11.5	25° 40° 60° 30x65°		V
	LL01CR-XSxxL06	22.2x10.6	40°		
LL01OS-CBxxL06	25.6x10		15°		
LL01NI-BYKxxL19	16x8		20° 30° 40°		
3 in 1	LL03CR-AZxxL06	50x14.5	25° 45°		
	LL03CR-RXxxL06	35x9.6	40° 60°		
	LL03ED-ASxxL06	37.7x10.5	38°		
	LL03ED-CTxxL06	31x11.2	38°		
	LL03ED-UYxxL06	33.2x10.3	40°		
	LL03LU-DOxxL06	35x10.6		25° 40°	
	LL03OS-GKxxL06	33.2x9.8	25° 40° 60°		
	LL03CR-CExxL06	34x9.9	38°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
4 in 1	LL04CR-RXxxL06	35x9.7	40° 60°		
	LL04ED-UYxxL06	37x10.3	40°		
	LL04LU-DNxxL06	25.4x10.5		25° 40°	
	LL04LU-DOxxL06	35x10.4		25° 40°	
5 in 1	LL05CR-BFRxxL06	35.8x6.3		25° 40° 60°	
6 in 1	LL06CR-RXxxL06	50x9.65	40° 60°		
	LL06CY-TTxxL06	73.3x16	45°		
7 in 1	LL07CR-BFRxxL06	35.8x6.3		25° 40° 60°	
	LL07CR-RXxxL06	50x10.3	40° 60°		
	LL07ED-UYxxL06	47x10.3	40°		
	LL07ZZ-FVxxL06	39.2x10.6	30° 60°	25°	
9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09ED-UYxxL06	67x10.3	40°		
	LL09CY-TTxxL06	90.6x18.8	45°		
12 in 1	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL12ED-UYxxL06	67x10.3	40°		
15 in 1	LL15ED-BHxxL06	95x11.1	40°		
18 in 1	LL18ED-BIxxL06	110x13.1	40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		
36 in 1	LL36ED-AAxxL06	140x12.6	45°		
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9		70x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05		80 x150° (Asymmetry)	
	LL04CR-CGM85135L02	50x50x6.9		85 x135° (Asymmetry)	
	LL14CR-AOC65150L02	250x60x9.9		65x150° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	
	LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4		60x140° (Asymmetry)	

■ XB-D

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BDFxxL06-M2	13.5x7.35	40° 60°		V
	LL01CR-BEXxxL06-M2	22.4x9.7	25° 40° 60°		V
	LL01CR-BNExxxL06-M2	23.5x15.8	25° 40° 60° 35x70°		V
	LL01CR-BRxxL06	19.65x12.5	40°		
	LL01CR-DFxxL06	11.8x6.65	80° 100° 30x65°		
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.6	30° 40° 60° 80°		
	LL01CR-NExxL06	19.4x15	25° 40° 60° 80° 10x45° 25x45°		
	LL01CR-OTxxL06	15x9.7	80°		
	LL01CR-WlxxL02	28.8x17.4		25° 40°	
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	40°		
	LL01LU-AFCxxL06	19.4x11.8	15x60° 20x50°		
	LL01XB-AAFxxL02-M2	13.5x7.35		60°	V
	LL01NI-ANExxxL02	19.4 x14.94		20° 30°	
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01OS-HGxxL06	10x6	60°		
	LL01OS-MQxxL06	19.45x13.7	25° 40° 60°		
	LL01ZZ-AFLxxL02	22.2x10.4		35° 50°	
	LL01CR-OSxxL06-M2	22.4x9.13	40° 30x65°		V
LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60°			
LL01NI-BYKxxL19	16x8		20° 30° 40° 60° 2545°		
3 in 1	LL03CR-AZxxL06	50x14.5	25° 45°		
	LL03CR-BDOxxL06	35x10.8		15° 25°	
	LL03CR-RXxxL06	35x9.6	40° 60°		
	LL03ED-UYxxL06	33.2x10.3	40°		
	LL03LU-DMxxL06	23.1x11		25° 40°	
	LL03LU-DOxxL06	35x10.6		25° 40°	
	LL03OS-GKxxL06	33.2x9.8	25° 40° 60°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
4 in 1	LL04CR-RXxxL06	35x9.7	25° 40° 60°		
	LL04ED-UYxxL06	37x10.3	40°		
	LL04LU-DNxxL06	25.4x10.5		25° 40°	
	LL04LU-DOxxL06	35x10.4		25° 40°	
	LL04LU-GPxxL06	22.2x6.8	45°		
	LL04OS-GKxxL06	37x9.8	40° 60°		
5 in 1	LL05CR-BFRxxL06	35.8x6.3		40°	
6 in 1	LL06CR-RXxxL06	50x9.65	40° 60°		
	LL06CR-AXLxxL06-M2	76x13		25°	V
7 in 1	LL07CR-BFRxxL06	35.8x6.3		40°	
	LL07CR-RXxxL06	50x10.3	40° 60°		
	LL07ED-UYxxL06	47x10.3	40°		
	LL07OS-GKxxL06	47x9.8	40° 60°		
	LL07ZZ-FUxxL06	50.35x10.7		25°	
9 in 1	LL07ZZ-FVxxL02	39.2x10.8		30°	
	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09ED-UYxxL06	67x10.3	40°		
	LL09OS-GKxxL06	67x9.8	40° 60°		
12 in 1	LL09ED-ATxxL06	90.6x17.5	40°		
	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL12ED-UYxxL06	67x10.3	40°		
18 in 1	LL12OS-GKxxL06	67x9.8	40° 60°		
Street Lighting	LL18ED-BlxxL06	110x13.1	40°		
	LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
	LL01CR-BAJ85135L02	18x12.5x6.1		85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2		85x150° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01CR-PB70140L02	22.4x11.4x6.9		70x140° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05		80x150° (Asymmetry)	
LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)		



XB-D





XM-L



XM-L2



■ XM-L

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

■ XM-L 2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38°	
	LL01CR-ACZxxL02	27.8x10.2		24° 38°	
	LL01CR-BMxxL06	35.8x15.85	40°		
	LL01CR-BRxxL06	19.65x12.5	40° 10x45° 15x50° 15x80° 40x90°		
	LL01CR-BSxxL06	19.8x12.5	60°		
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-NExxL06	19.4x14.9	15° 80° 10x45°		
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-SQxxL06	19.4x12.9	40° 60° 80°		
	LL01CR-WlxxL02	28.8x17.4		15° 25° 40°	
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01CR-ZExxL02	35x20.4		20°	
	LL01ED-ACZxxL02	35x10.7		24° 38°	
	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-ALxxL06	19.7x9.9	30x65°		
	LL01ED-ANxxL06	22.7x9.6	15°x50°		
	LL01ED-AOxxL06	19.4x13.45	60°		
	LL01ED-AQxxL06	22.5x10.45	40° 60°		
	LL01ED-ASxxL06	19.9x10.15	60°		
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-CYxxL06	26.8x20.6	30° 45°		
	LL01LU-AFCxxL06	19.4x11.8		15x60° 20x50°	
	LL01NI-GRxxL06	19.45x13.5	25° 40° 60° 80°		
	LL01OS-AXxxL02	20x11.5	20° 40° 60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
	LL01ZZ-AHZxxL02-M2	24.3x12.3		38°	V
	LL01ZZ-EXxxL06	21x9.3	40° 30x65°		
LL01ZZ-FLxxL06	22.2x10.6	10° 40° 30x65°			
LL01CR-FoxxL06	35.8x15.75	40°			
LL01LU-AAxxL06	19.7x13.8	20x65°			
LL01LU-LHxxL06	21x9.15	15°			
LL01NI-DZxxL06	22x15.7	20x40°			
LL01OS-CBxxL06	25.6x10	15°			
LL01ZZ-AHAxxL06	50x25.4		5°		



XM-L EZW



XM-L Color



MC-E



MC-E Color



■ XM-L EZW

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24°	
	LL01CR-ACZxxL02	27.8x10.2		24° 38°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-BRxxL06	19.65x12.5	40°		
	LL01CR-ADGxxL06-M2	32.8x18	20° 30° 40° 60°		V
	LL01CR-SQxxL06	19.4x12.9	60°		
	LL01CR-WlxxL02	28.8x17.4		25° 40°	
	LL01ED-ACZxxL02	35x10.7		24° 38°	
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-AQxxL06	22.5x10.5	60°		
	LL01ED-ASxxL06	19.9 x 10.15	60°		
	LL01ED-BBxxL06	35.8x16.5	60°		
	LL01ED-CVxxL06	19.6x12.3	45°		
	LL01ED-CYxxL06	26.8x18.9	30° 45°		
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01OS-AXxxL02	20x11.5	40° 60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
LL01ZZ-AFLxxL02	22.2x10.4		35° 50°		
LL01ZZ-AHZxxL02-M2	24.3x12.3		24° 38°	V	
LL01ZZ-FLxxL06	22.2x10.6	40°			
LL01OS-CBxxL06	25.6x10	15°			
6 in 1	LL06ED-ADxxL06	73.3x11.5	25° 40° 60°		
	LL06CR-AXMxxL06-M2	76x13		15° 25°	V
9 in 1	LL09ED-ATxxL06	90.6x17.5	40°		
12 in 1	LL12ED-AGxxL06	112x13.4	45°		
Street Lighting	LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	

■ XM-L Color

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

■ MC-E

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

■ MC-E Color

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AFLxxL02-M2	24.3x12.3		35° 50°	V
	LL01ED-AFDxxL06	26x15.5		15°	
	LL01CR-DGxxL06-M2	32.8x18	20° 30° 40° 50° 60°		V
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01CR-BCQxxL06-M1	38.1x20.9		15° 15x30°	V
	LL01CR-ZExxL02	35x20.15	30°		
	LL01CR-ANWxxL06	45x26.3		10° 20° 30°	
	LL01CR-PVxxL02	45x23.65	80°		
	LL01CR-ADTxxL06	35x10.65		30°	



XH-G



■ XH-G

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01OS-AAFxxL02-M2	13.5x7.35		60°	V
	LL01CR-NExxL06	19.4x14.9	80°		
	LL01CR-SQxxL06	19.4x12.9	40° 60° 80°		
	LL01CR-YJxxL02	19.4x12.7	40° 60° 80° 100°		
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01ED-CVxxL06	19.6x12.3	15°		
	LL01CR-BRxxL06	19.65x12.5	40° 40x90°		
	LL01CR-BSxxL06	19.8x12.5	60°		
	LL01ED-ASxxR06	19.9x10.55	38° 60°		
	LL01OS-AXxxL02	20x11.5	20° 40° 60°		
	LL01CR-BEXxxL06	20.9x9.2		25° 40°	
	LL01OS-EXxxL06-M2	22.4x9.63	25° 40° 60°		V
	LL01ZZ-AFLxxL02	22.2x10.4		35°	
	LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60°		
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01ED-AQxxL06	22.5x10.45	40° 60°		
	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01ED-CYxxL06	26.8x20.6	30° 45°		
	LL01CR-ACZxxL02	27.8x10.2		24°	
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-WIxxL02	28.8x17.4	25° 40°		
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-CTxxL06	31x11.2	38° 80°		
	LL01CR-ABGxxL02	34x15.7		24° 55°	
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-BCQxxL06	34.75x19.25		15° 15x30°	
	LL01ED-ACZxxL02	35x10.7		24° 38°	
	LL01ED-BBxxL06	35.8x16.5	25° 60°		
	LL01CR-BMxxL06	35.8x15.85	40°		
	LL01OS-BWxxL06	37.2x15.35	30°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01OS-BYxxL06	37.2x15.35	30°		
	LL01LU-AAxL06	19.7x13.8	20x65°		
	LL01ED-BVxxL06	19.9x10.7	60°		
	LL01ED-FMxxL06	19.9x10.55	38°		
	LL01NI-DZxxL06	22x15.7	20x40°		
	LL01OS-CBxxL06	25.6x10	15°		
3 in 1	LL03LU-DMxxL06	23.1x11	25° 40°		
	LL03ED-CTxxL06	31x11.2	38° 80°		
	LL03ED-GKxxL06	33.2x10.2	40°		
	LL03CR-RXxxL06	35x10.5	40° 60°		
	LL03ED-BCxxL06	43.9x9.5	25°		
	LL03CR-AZxxL06	50x14.5	25° 45°		
4 in 1	LL03ED-AZxxL06	50.5x13	25° 45° 60°		
	LL03ED-BAxxL06	50.5x13	45° 60°		
	LL04LU-DNxxL06	25.4x10.5	25° 40°		
	LL04LU-DOxxL06	35x10.4	25° 40°		
	LL04CR-GPxxL06	22.2x6.7	25° 38° 45°		
	LL04LU-GPxxL06	22.2x6.8	15° 25° 45°		



MK-R



MK-R2



MT-G



MT-G2



■ MK-R

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		22°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-ADPxxL06	75.8x35.2		15° 24° 38°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38°	
	LL01CR-BRxxL06	19.65x12.5	40°		
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-WlxxL02	28.8x17.4		25° 40°	
	LL01CR-ZExxL02	35x20.4		20° 30° 45°	
	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
LL01ED-CYxxL06	26.8x20.6	30°			
6 in 1	LL01LU-AFLxxL02-M2	24.3x11.5		35° 50° 70°	V
	LL06ED-ADxxL06	73.3x11.5		60°	
	LL06CR-AXMxxL06-M2	76x13		25° 35°	V
Street Lighting	LL06CR-AXLxxL06-M2	76x13		25°	V
	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	

■ MK-R2

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

■ MT-G/MT-G2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38° 55°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-ADPxxL06	75.8x35.2		15° 24° 38°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-PVxxL02-M2	47.2x25.65	45° 60° 80°		V
	LL01CR-ZExxL02-M2	37.1x20.7		20° 30° 45°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-AYxxL06-M2	46x27.1	38°	10°	V
	LL01CR-AFLxxL02-M2	24.3x11.5		35° 50° 70°	V
	LL01CR-AQHxxL06	44x14.1		38°	



CXA
13xx



CXA
15xx



■ CXA13xx

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-AYxxL06	43.8x24.5	10° 38°		
	LL01ZZ-AFLxxL02	22.2x10.4		35° 50°	
	LL01CR-CHQxxL02	35x10.5		24°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01CR-CEWxxL02	50x15		12° 24° 38°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01ZZ-CPRxxL 46	47x8.5		24° 38°	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CT-AJZxxR49	50x19		38° 55°	
	LL01CT-AMXxxR49	44x11.8		45°	
	LL01ED-AJMxxR49	35.2x7.8		24° 38°	
	LL01ED-ALlxxR49	50x19		24° 55°	

■ CXA15xx

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		55°	
	LL01CR-ABHxxL06	50x10.4		40° 60°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01ED-ABXxxL06	75.8x24.35		38°	
	LL01ED-ASAxxL06-P	90.6x22		38°	
	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01CT-AMYxxL06	75.8x23		38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01CR-BGSxxL06	34x15.7		24°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01CR-CEWxxL02	50x15		12° 24° 38°	
LL01CR-CEOxxL02	90x19.5		12° 24°		
LL01CR-CEN12L02	70x17.5		12° 24°		
Street Lighting	LL01CR-BZT80140L83-Mx	67x35x17.5		80x140° (Asymmetry)	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AJZxxR49	50x19		38° 55°	
	LL01CT-ALNxxR49	75.8x20.1		38° 45°	
	LL01CT-ALOxxR49	90.5x23.2		24° 38° 45°	
	LL01CT-AMXxxR49	44x11.8		45°	
	LL01ED-AJMxxR49	35.2x7.8		24° 38°	V
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01ED-ALlxxR49	50x19		24° 38° 55°	
	LL01SP-ATHxxR49	75x40		15° 24° 38°	
LL01ZZ-AAAxL49	70x35		24° 38° 55°		



**CXA
18xx**



**CXA
25xx**



**CXA
30xx**



■ **CXA1816 / 1820**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01CR-CEOxxL02	90x19.5		12° 24°	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CT-ALOXxR49	90.5x23.2		24° 38° 45°	
	LL01ED-AKAxxR49	85x23.5		60°	V
	LL01ED-ALJxxR49	50x19		24° 55°	
	LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40		15° 24° 38°	
	LL01CR-BGCxxR49 -BKGI5L02	75x45		15° 24° 38°	
	LL01CR-BDJ80R49	90x40		80°	
	LL01CR-BIYxxR49 -BIZ120L02	100x57		13° 24°	

■ **CXA1830**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AZWxxL02-P	76.1x12.7		15° 24°	
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
Reflector	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01ED-AKXxxR49	116x32		24° 38°	

■ **CXA25xx**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxL06-P	90.6x22	45° 60° 80°	12° 24° 38°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
Reflector	LL01ED-AKAxxR49	85x23.5		60°	V
	LL01ED-AKXxxR49	116x32		24° 38°	V
	LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°	V
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
Street Lighting	LL01ED-AU70120L02	94x42x28.4		70x120° (Asymmetry)	

■ **CXA30xx**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01CT-APGxxL06	84.6x18		24° 38°	
Reflector	LL01ED-AKAxxR49	85x23.5		60°	
	LL01ED-AKXxxR49	116x32		24° 38°	
	LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°	



1LA5



■ 1LA5

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BRxxL06	19.65x12.5	30° 40° 50° 40x90°		
	LL01CR-DGxxL06	28.8x16.75	30° 40° 50° 60°		
	LL01ED-AHxxL06-M2	21.3x14	30° 45° 60°		V
	LL01ED-AJxxL06-M2	31x19.3	10° 25° 40° 60°		V
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-ALxxL06-M2	21.3x14	15° 30x65°		V
	LL01ED-ANxxL06-M2	25x13.5	15x50°		V
	LL01ED-AOxxL06-M2	23.5x17.5	30° 40° 60° 80° 25x45°		V
	LL01ED-BAxxL06-M2	26.6x12.8	15° 40° 60°		V
	LL01ED-ASxxL06-M2	21.9x12.3	15° 38° 60°		V
	LL01ED-BBxxL06	35.8x16.5	25° 40° 60°		
	LL01ED-CTxxL06	31x11.2	38° 80°		
	LL01ED-CVxxL06-M2	21.5x15.0	15° 25° 45°		V
	LL01OS-AXxxL02	20x11.5	40° 60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
	LL01ZZ-EXxxL06	21x8.75	25°		
	LL01ZZ-FLxxL06	22.2x10.6	25° 40°		
	LL01ED-BJxxL06	19.7x11.9	38°		
	LL01ED-BPxxL06-M2	21.3x14	45°		V
	LL01ED-BV60L06-M2	21.3x14	60°		V
	LL01ED-FMxxL06	19.9x10.55	38°		
	LL01ED-IHxxL06	87x44.25	60°		
	LL01ED-ZBxxL06	19.6x10.4	15°		
	LL01LU-AAxxL06	19.7x13.8	20°x65°		
	LL01OS-CBxxL06	25.6x10	15°		
	LL01ZZ-AHAXxxL06	50 x 25.4			5°
	3 in 1	LL03ED-AFxxL06	50.5x20	30° 45° 60° 40x70°	
LL03ED-ASxxL06		37.7x10.5	38°		
LL03ED-AZxxL06		50.5x13	25° 45° 60°		
LL03ED-BAxxL06		50.5x13	25° 45° 60°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
3 in 1	LL03ED-CTxxL06	31x11.2	38° 80°		
	LL03ED-EKxxL06	35x9.2	25° 40° 60°		
	LL03ED-AIHxxL06	37x8.7	30°		
	LL03ED-ALHxxL06	34.9x10.4	30°		
6 in 1	LL06CR-AXNxxL06-M2	76x13		25°	V
	LL06ED-ADxxL06	73.3x11.5	8° 25° 40° 60°		
	LL06CR-AXMxxL06-M2	76x13		15° 25° 35°	V
9 in 1	LL06CR-AXLxxL06-M2	76x13		25°	V
	LL09ED-ACxxL06	95.4x13.5	15° 25°		
	LL09ED-BZxxL06	90.75x16.5	15° 25°		
12 in 1	LL09ED-ATxxL06-M2	90.6x17.5	40°		V
	LL09ED-BQxxL06	90.6x16.5	25° 60°		
	LL12ED-AGxxL06	112x13.4	25° 45°		
15 in 1	LL12ED-BGxxL06	95x11.2	15° 25° 40°		
	LL12ED-BQxxL06	90.6x16.6	25°		
18 in 1	LL15ED-BHxxL06	95x11.1	15° 25° 40°		
24 in 1	LL18ED-BLxxL06	110x13.1	15° 25° 40°		
36 in 1	LL24ED-ABxxL06	174.5x12.7	15° 25° 40°		
60 in 1	LL36ED-AAxxL06	140x12.6	15° 25° 45°		
Street Lighting	LL60ED-BOxxL06	180x13.1	25° 45°		
	LL01ED-AU40130L02	18.95x14.8x8.25		40x130° (Asymmetry)	
	LL01ED-AU50130L02	30x11x11.4		50x130° (Symmetry)	
	LL01ED-AU70135L02	24x12.3x9.2		70x135° (Symmetry)	
	LL01ED-LP70130L02	20x11.7x6.9		70x130° (Asymmetry)	
	LL01ED-ZP55140L02	19.15x10.8x9.4		55x140° (Asymmetry)	
	LL01SH-AU75135L02	24x13.2x9.6		75x135° (Symmetry)	
	LL04LZ-NO85140L02	160x 25x9.55		85x140° (Asymmetry)	
	LL12ED-VT85160L02	158x50x9.4		85x160° (Asymmetry)	
	LL24ED-AU75135L02	135x112x9.6		75x135° (Asymmetry)	

■ EPCX-HR96

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-IHxxL06	87x44.25	60°		
	LL01CR-BAAXxL02	74 x 3		24°	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01ED-AKY24R49	50.5x30		24° 38° 45°	
	LL01ED-ALJxxR49	50x19		24° 38° 55°	
	LL01ZZ-AAAXxL49	70x35		24° 38° 55°	

■ EPSX-HRB8

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06	84.6x18		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAXxL06-P	90.6x22		24° 38°	
	LL01ED-IHxxL06	87x44.25	60°		
Reflector	LL01CT-AL0xxR49	90.5x23.2		24° 45°	
	LL01ED-AKAXxR49	85x23.5		60°	
	LL01ED-AKVxxR49	50x29.5		36°	
	LL01ED-ALAXxR49	75x20.1		24° 38°	

■ EPSX-HRBF

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAXx06-P	90.6x22		24° 38°	
	LL01ED-IHxxL06	87x44.25	60°		
Reflector	LL01ED-AKAXxR49	85x23.5		60°	
	LL01ED-AKXxxR49	116x32		24° 38°	
	LL01ED-ALJxxR49	91.5x23.2		45°	

■ EPSX-HRBJ

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-APGxxL06-M2	84.6x18		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAXxL06-P	90.6x22		24° 38°	
	LL01ED-IHxxL06	87x44.25	60°		
Reflector	LL01ED-AKAXxR49	85x23.5		60°	
	LL01ED-AKXxxR49	116x32		24° 38°	

■ EPSX-VF23

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Reflector	LL01ED-AJMxxR49	35.2x7.8		24° 38°	



EPCX-HR96



EPSX-HRB8



EPSX-HRBF



EPSX-HRBJ



EPSX-VF23





Federal 5050



Federal 3535



■ Federal 5050

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

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

■ Federal 3535

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01CR-BRxxL06	19.65x12.5	40°			
	LL01HS-DFxxL02-M2	13.5x7.35	100°		V	
	LL01XP-DGxxL06-M2	32.8x18	30° 40° 50° 60°		V	
	LL01CR-HQxxL06	14.8x9.5	40° 60°			
	LL01CR-NExxL06	19.4x15	25° 40° 60° 10x45° 25x45°			
	LL01CR-OTxxL06	15x9.7	40° 60° 80°			
	LL01ED-AKxxL06	34.4x18.8	25° 40°			
	LL01NI-GRxxL06	19.45x13.5	60°			
	LL01OS-BYxxL06	37.2x15.35	30°			
	LL01OS-MQxxL06	19.45x13.7	40°			
	LL01CR-EXxxL06-M2	22.4x9.7	40° 60°		V	
	LL01ED-FMxxL06	19.9x10.55	38°			
	3 in 1	LL03CR-AZxxL06	50x14.5	25° 45°		
		LL03CR-RXxxL06	35x9.6	40° 60°		
		LL03LU-DMxxL06	23.1x11	25° 40°		
	4 in 1	LL03LU-DOxxL06	35x10.6	25° 40°		
LL04CR-RXxxL06		35x9.7	40° 60°			
LL04LU-DNxxL06		25.4x10.5		25° 40°		
6 in 1	LL04LU-DOxxL06	35x10.4		25° 40°		
	LL04LU-GPxxL06	22.2x6.8	45°			
	LL06CR-RXxxL06	50x9.65	40° 60°			
7 in 1	LL06CR-AXLxxL06-M2	76x13		25°	V	
	LL07CR-RXxxL06	50x10.3	40° 60°			
9 in 1	LL07ZZ-FUxxL06	50.35x10.7	25°			
	LL07ZZ-FVxxL06	39.2x10.8	25° 30°			
12 in 1	LL09CR-RXxxL06	70x10.3	40° 60°			
18 in 1	LL12CR-RXxxL06	70x10.3	40° 60°			
	LL18ED-BlxxL06	110x13.1	40°			



Federal 3045



Federal 5050 color



■ **Federal 3045**

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

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
9 in 1	LL09ED-GKxxL06	67x10.8	25° 40° 60°		
	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09ED-ATxxL06	90.6x17.5	40°		
12 in 1	LL12ED-GKxxL06	67x10.8	25° 40° 60°		
	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL12ED-BGxxL06	95x11.2	40°		
15 in 1	LL15ED-BHxxL06	95x11.1	40°		
18 in 1	LL18ED-BLxxL06	110x13.1	40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		
36 in 1	LL36ED-AAxxL06	140x12.6	45°		
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1		80x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	

■ **Federal 5050 color**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01ED-BCQxxL06-M1	38.1x21.2		15° 15x30°	V

JU1215 COB(4W)



JU1215 COB(7W)



JU1215 COB(10W)



JU2024 COB(15W)



JU1215 COB(4W)

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
Reflector	LL01ED-AJMxxR49	35.2x7.8		24° 38°	
	LL01CT-AMXxxR49	44x11.8		45°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
	LL01ED-ALixxR49	50x19		24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5		36°	

JU1215 COB(10W)

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
Reflector	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01CT-AMXxxR49	44x11.8		45°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
	LL01ED-ALixxR49	50x19		24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ZZ-AAAxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30°	
	LL01CT-ALNxxR49	75.8x20.1		30° 42°	
	LL01ED-AKAxR49	85x23.5		60°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
LL01CT-AYXxxR35-P	90x50		15° 24° 38°		
LL01SP-ASOxxR49	90x50		15° 24° 38° 55°		
LL01CT-ALOxxR49	90.5x23.2		24° 38° 45°		
LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°		

JU1215 COB(7W)

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
Reflector	LL01CT-AMXxxR49	44x11.8		45°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
	LL01ED-ALixxR49	50x19		24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ZZ-AAAxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
LL01CT-ALNxxR49	75.8x20.1		30° 42°		

JU2024 COB(15W)

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
Reflector	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ZZ-AAAxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30°	
	LL01ED-AKAxR49	85x23.5		60°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01CT-ALOxxR49	90.5x23.2		24° 38° 45°	
LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°		
LL01ED-AKXxxR49	116x32		24° 38°		

Lextar

PB04

PB07/10

PB15

PB20/30

PB40

■ PB04

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

■ PB07/10

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

■ PB15

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

■ PB20/30

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CT-AMYxxL06	76x23		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	
	LL01ED-ASAxL06-P	90.6x22		12° 24° 38°	
	LL01ED-ASAxL02-P	90.6x22		24° 38°	
Reflector	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01ED-AKAXxR49	85x23.5		60°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
Street Lighting	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01ED-AKXxxR49	116x32		24° 38°	
	LL01ED-AU70120L02	94x42x28.4		70x120° (Asymmetry)	

■ PB40

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



COB
10W/13W
17W/24W



5152



H35A



■ COB 10W/13W/17W/24W

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24°	
	LL01CT-APGxxL06	84.6x18		24° 38°	
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01ED-ASAxxL02-P	90.6x22		12° 24°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01ZZ-AAAxxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	

■ 5152

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

■ H35A

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35		25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35		45° 60°	V
	LL01HS-DFxxL02-M2	13.5x7.35	100°		V
	LL01CR-HQxxL06	14.8x9.5	60° 80°		
	LL01CR-AFCxxL06-M2	21.3x12.35		15x30°	V
	LL01NI-NExxL06-M2	21.4x15.8	25° 40° 60° 80°		V
	LL01OS-MQxxL06	19.45x13.7	25° 40° 60°		
	LL01CR-EXxxL06-M2	23x10.63	40° 60°		V
	LL01XP-FLxxL06-M2	24.3x11.6	10° 40° 60°		V
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01XP-DGxxL06-M2	32.8x18	20° 30° 40° 50° 60°		V
	LL01ED-CTxxL06	31x11.2	38°		
	LL01ED-BBxxL06	35.8x16.5	60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
LL01ED-FMxxL06	19.9x10.55	38°			
LL01OS-CBxxL06	25.6x10	15°			
Street Lighting	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL30CR-PT60140L02	235x71x9.4		60x140° (Asymmetry)	

■ H35C1

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35		25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35		45° 60°	V
	LL01CR-BDFxxL06	11.8x6.45		40° 60° 30x70°	
	LL01HS-DFxxL02-M2	13.5x7.35	80° 100°		V
	LL01CR-HQxxL06	14.8x9.5	30° 40° 60° 80°		
	LL01CR-OTxxL06	15x9.65	40° 60°		
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V
	LL01NI-BNExxL06-M2	23.5x15.8		25° 40°	V
	LL01NI-NExxL06-M2	21.4x15.8	15° 17° 25° 40° 60° 80° 10x45° 25x45°		V
3 in 1	LL03ED-UYxxL06	33.2x10.3	40°		
	LL03OS-GKxxL06	33.2x9.8	40° 60°		
	LL03CR-RXxxL06	35x10.5	40° 60°		
4 in 1	LL04CR-RXxxL06	35x10.5	40° 60°		
	LL04ED-UYxxL06	37x10.3	40°		
	LL04OS-GKxxL06	37x9.8	40° 60°		
6 in 1	LL06CR-RXxxL06	50x10.5	40° 60°		
7 in 1	LL07ZZ-FVxxL06	39.2x10.6	15° 25° 30° 60°		
	LL07ED-UYxxL06	47x10.3	40°		
	LL07OS-GKxxL06	47x9.8	40° 60°		
	LL07CR-RXxxL06	50x10.3	40° 60°		
	LL07ZZ-FUxxL06	50.35x10.7	25°		
9 in 1	LL09ED-UYxxL06	67x10.3	40°		
	LL09OS-GKxxL06	67x9.8	40° 60°		
	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09ED-ATxxL06	90.6x17.5	40°		
12 in 1	LL12ED-UYxxL06	67x10.3	40°		
	LL12OS-GKxxL06	67x9.8	40° 60°		
18 in 1	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL18ED-BLxxL06	110x13.1	40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Street Lighting	LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL24CR-AU75135L02	100X120X10.2		75x135° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)	
	LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	





■ L2C1-1202

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-ACAxxL14	29.9x12		24°	
	LL01CR-ZExxL02	35 x 20.4		20° 30° 45°	
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01ED-ABY24L02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01CR-PVxxL02	45x23.7		45° 60° 80°	
	LL01CR-ABH40L02	50x10.4		40°	
	LL01CT-AOFxxL02	74.4x13		24° 38°	
	LL01SP-AVAxxL06	42x9.65		40°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01NI-BNXxxL02	44x14.6		38°	
	LL01CI-WNxxL02	72x12.9		40°	
	LL01CI-WMxxL02	92.5x27.5		40°	

■ LHC1-1202/1203

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01CR-PVxxL02	45x23.7		45° 60° 80°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		38°	
	LL01CR-BAY24L02	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 24°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01NI-QLxxL06	30x17		25°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01SP-AVAxxL06	42x9.65		40°	
	LL01NI-BNXxxL02	44x14.6		38°	
	LL01CI-WNxxL02	72x12.9		40°	
	LL01CI-WMxxL02	92.5x27.5		40°	
	Reflector	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°
LL01SP-ATHxxR49		75x40		15° 24° 38°	
LL01ZZ-AAxxL49		70x35		38° 55°	
LL01CT-AJZxxR49		50x19		36° 50°	
LL01ED-AKYxxR49		50x30		24° 38° 45°	
LL01ED-ALlxxR49		50 x 19		24° 38° 55°	
LL01ZZ-AAxxL49		70 x 35		38° 55°	
LL01SP-ATHxxR49		75 x 40		15° 24° 38°	
LL01SP-ASOxxR49	90 x 50		15° 24° 38° 55°		

■ LHC1-1204

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01SP-AVAxxL06	42x9.65		40°	
	LL01CI-WNxxL02	72x12.9		40°	
Reflector	LL01CI-WMxxL02	92.5x27.5		40°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01SP-ATHxxR49	75x40		15° 24° 38°	
	LL01ZZ-AAxxL49	70x35		24° 38° 55°	

■ LHC1-1205

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01CR-ABHxxL02	50x10.4		40°	
	LL01CT-AMYxxL06	75.8x23		24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01SP-AVAxxL06	42x9.65		40°	
	LL01CI-WNxxL02	72x12.9		40°	
	LL01CI-WMxxL02	92.5x27.5		40°	
Reflector	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01CR-AYM15R35-P	90x50		15° 24° 38°	
	LL01CT-AYX15R35-P	90x50		15° 24° 38° 55°	
	LL01ZZ-AAxxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
LL01SP-ATHxxR49	75x40		15° 24° 30° 38°		

■ LHC1-1208

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01CT-AMYxxL06	75.8x23		24°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01SP-AVAxxL06	42x9.65		40°	
	LL01CI-WNxxL02	72x12.9		40°	
	LL01CI-WMxxL02	92.5x27.5		40°	
	LL01ED-IHxxL02	87x44.25		60°	
Reflector	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	
	LL01CR-AYM15R35-P	90x50		15° 24° 38°	
	LL01CT-AYX15R35-P	90x50		15° 24° 38°	
	LL01ZZ-AAxxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
LL01SP-ATHxxR49	75x40		15° 24° 30° 38°		

■ Rebel

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BRxxL06	19.65x12.5	10x45° 15x50° 15x80° 40x90° 40°		
	LL01LU-DFxxL06-M2	13.5x7.35	80° 100° 30x65°		V
	LL01CR-DGxxL06	28.8x16.75	30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.5	40° 60° 80°		
	LL01CR-NExxL06	19.4x15	25° 40° 60° 80° 10x45° 25x45°		
	LL01ED-AJxxL06	28.9x19.7	45° 60°		
	LL01ED-AKxxL06	34.4x18.8	40°		
	LL01ED-CTxxL06	31x11.2	38° 80°		
	LL01OS-AFC15L06	19.4x11.43		10° 15° 25° 30°	
	LL01LU-AFCxxL06-M2	21.3x12.4		10° 15° 25° 30° 10x35° 15x30°	V
	LL01NI-AAFxxL02	11.8x6.5		45° 60°	
	LL01NI-GRxxL06	19.45x13.5		40° 60° 80°	
	LL01OS-AXxxL02	20x11.5		20° 40° 60°	
	LL01OS-BWxxL06	37.2x15.35		30°	
	LL01OS-BYxxL06	37.2x15.35		30°	
	LL01OS-MQxxL06	19.45x13.7		40° 60°	
	LL01LU-QDxxL06-M2	23x9.63		25° 40° 60° 30x65°	V
	LL01LU-FLxxL06-M2	24.3x11.5		10° 25° 40° 60° 30x65°	V
	LL01ED-FMxxL06	19.9x10.55		38°	
	LL01LU-AAxxL06	19.7x13.8		20x65°	
LL01LU-LHxxL06-M2	22.4x9.63		15°	V	
LL01ZZ-AHAxxL06	50x25.4			5°	
3 in 1	LL03CR-AZxxL06	50x14.5		25° 45°	
	LL03CR-RXxxL06	35x9.6		40° 60°	
	LL03ED-UYxxL06	33.2x10.3		40°	
	LL03LU-DMxxL06	23.1x11		15° 25° 40°	
	LL03LU-DOxxL06	35x10.6		15° 25° 40°	
	LL03OS-GKxxL06	33.2x9.8		25° 40° 60°	
4 in 1	LL04CR-RXxxL06	35x9.7		40° 60°	
	LL04ED-UYxxL06	37x10.3		40°	
	LL04LU-DNxxL06	25.4x10.5		15° 25° 40°	
	LL04LU-DOxxL06	35x10.4		15° 25° 40°	
	LL04LU-GPxxL06	22.2x6.8		15° 25° 45°	
	LL04OS-GKxxL06	37x 9.8		40° 60°	
	LL04ZZ-EXxxL06	25.4x10.4		30°	

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
6 in 1	LL06CR-CKxL06	73.2x13.5		25°	
	LL06CR-RXxxL06	50x9.65		40° 60°	
	LL06ED-ADxxL06	73.3x11.5		25° 40° 60°	
	LL06CR-AXMxxL06-M2	76x13			15° 25° V
	LL06CR-AXLxxL06-M2	76x13			25° V
7 in 1	LL07CR-RXxxL06	50x10.3		40° 60°	
	LL07ED-UYxxL06	47x10.3		40°	
	LL07OS-GKxxL06	47x9.8		40° 60°	
	LL07ZZ-FUxxL06	50.35x10.7			15° 25°
	LL07ZZ-FVxxL06	39.2x10.6			15° 25°
9 in 1	LL09CR-RXxxL06	70x10.3		40° 60°	
	LL09ED-UYxxL06	67x10.3		40°	
	LL09OS-GKxxL06	67x9.8		40° 60°	
	LL09ED-ATxxL06	90.6x17.5		40°	
12 in 1	LL12CR-RXxxL06	70x10.3		40° 60°	
	LL12ED-AGxxL06	112x13.4		45°	
	LL12ED-UYxxL06	67x10.3		40°	
LL12OS-GKxxL06	67x9.8		40° 60°		
15 in 1	LL15ED-BHxxL06	95x11.1		40°	
18 in 1	LL18ED-BLxxL06	110x13.1		25° 40°	
24 in 1	LL24ED-ABxxL06	174.5x12.7		45°	
36 in 1	LL36ED-AAxxL06	140x12.6		45°	
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95			80x150° (Asymmetry)
	LL01CR-AU85135L02	18x10.2x6.1			85x135° (Asymmetry)
	LL01CR-FT60135L02	18x9.3x5.9			60x135° (Symmetry)
	LL01CR-KM6090L02	17.55x11.6x8.6			60x90° (Symmetry)
	LL01CR-OG85150L02	18x8.95x6.2			85x150° (Symmetry)
	LL01CR-OW70130L02	17.4x12.75x7.2			70x130° (Asymmetry)
	LL01LU-AIK45135L02	18x12.5x7.05			45x135° (Asymmetry)
	LL01LU-UQ70140L02	18x11x6.6			70x140° (Asymmetry)
	LL01ZZ-AGX45155L02	18x12.5x7			45x155° (Asymmetry)
	LL24CR-AU75135L02	120x100x10.2			75x135° (Asymmetry)
LL04CR-BXJ45155L02	50x50x6.95			45x155° (Asymmetry)	
LL04CR-BXJ80150L02	50x50x7.05			80x150° (Asymmetry)	





■ Rebel ES

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BRxxL06	19.65x12.5	40° 10x45° 15x50° 15x80° 40x90°		
	LL01LU-DFxxL06-M2	13.5x7.35	80° 100° 30x65°		V
	LL01CR-DGxxL06	28.8x16.75	30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.5	40° 60° 80°		
	LL01CR-NExxL06	19.4x15	25° 40° 60° 80° 10x45° 25x45°		
	LL01ED-AJxxL06	28.9x18.55	60°		
	LL01LU-AFCxxL06-M2	21.3x12.4	15x60° 20x50°		V
	LL01NI-AAFxxL02	11.8x6.5		60°	
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01OS-AXxxL02	20x11.4	60°		
	LL01OS-MQxxL06	19.45x13.7	40° 60°		
	LL01LU-EXxxL06-M2	22.4x9.7	25° 40° 60° 30x65°		V
	LL01LU-FLxxL06-M2	24.3x11.5	10° 25° 40° 60° 30x65°		V
	LL01LU-LHxxL06-M2	22.4x9.63	15°		V
LL01ZZ-AHAxxL06	50x25.4			5°	
3 in 1	LL03CR-AZxxL06	50x14.5	45° 60°		
	LL03CR-RXxxL06	35x9.6	40° 60°		
	LL03ED-UYxxL06	33.2x10.3	40°		
4 in 1	LL04CR-RXxxL06	35x9.7	40° 60°		
	LL04ED-UYxxL06	37x10.3	40°		
	LL04LU-GPxxL06	22.2x6.8	15° 25° 45°		
	LL04DD-AMGxxL06	35x7		38°	
6 in 1	LL06CR-RXxxL06	50x9.65	40° 60°		
	LL06ED-ADxxL06	73.3x11.5	8° 25° 40° 60°		
7 in 1	LL07CR-RXxxL06	50x10.3	40° 60°		
	LL07ED-BFxxL06	43.9x8.55	25°		
	LL07ED-GKxxL06	47x10.2	25° 40°		
	LL07ED-UYxxL06	47x10.3	40°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09ED-BZxxL06	90.75x16.5	15° 25°		
	LL09ED-UYxxL06	67x10.3	40°		
12 in 1	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL12ED-UYxxL06	67x10.3	40°		
15 in 1	LL15ED-BHxxL06	95x11.1	40°		
18 in 1	LL18ED-BIxxL06	110x13.1	40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	25° 45°		
36 in 1	LL36ED-AAxxL06	140x12.6	45°		
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01CR-OG85150L02	18x8.95x6.2		85x150° (Symmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3		50x150° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)	
	LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL14LU-ALY90130L19	250x60x9.3		90x130° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	
LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)		

■ Luxeon A

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01OS-HGxxL06	10x6	60°			
	LL01NI-AAFxxL02	11.8x6.5		60°		
	LL01LU-DFxxL06-M2	13.5x7.35	60° 80° 30x65°		V	
	LL01CR-HQxxL06	14.8x9.5	40° 60°			
	LL01CR-OTxxL06	15x9.7	40° 60° 80°			
	LL01CR-NExxL06	19.4x15	40° 60° 80°			
	LL01CR-SQxxL06	19.4x12.9	40° 60°			
	LL01CR-YJxxL02	19.4x12.6	40° 60°			
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°			
	LL01OS-MQxxL06	19.45x13.7	40° 60°			
	LL01CR-BRxxL06	19.65x12.5	40° 15x50° 15x80°			
	LL01ED-ASxxR06	19.9x10.55	38°			
	LL01OS-AxxL02	20x11.5	40° 60°			
	LL01LU-QDxxL06-M2	22.4x9.63	25° 40°		V	
	LL01LU-FLxxL06-M2	24.3x11.6	40° 60°		V	
	LL01ED-ANxxL06	22.7x9.6	15x50°			
	LL01ED-CYxxL06	26.8x20.6	45°			
	LL01CR-DGxxL06	28.8x16.6	30° 40° 60°			
	LL01ED-AJxxL06	28.9x19.7	40°			
	LL01ED-AKxxL06	34.4x18.8	25° 40°			
	LL01ED-BBxxL06	35.8x16.5	60°			
	LL01OS-BWxxL06	37.2x15.35	30°			
	LL01OS-BYxxL06	37.2x15.35	30°			
	LL01LU-AAxxL06	19.7x13.8	20x65°			
	LL01ED-BVxxL06	19.9x10.7	60°			
	LL01ED-FMxxL06	19.9x10.55	38°			
	LL01OS-CBxxL06	25.6x10	15°			
	LL01ZZ-AHAxxL06	50x25.4		5°		
	3 in 1	LL03LU-DMxxL06	23.1x11	25° 40°		
		LL03CR-RXxxL06	35x10.5	40° 60°		
LL03LU-DOxxL06		35x10.6	25° 40°			
LL03CR-AZxxL06		50x14.5	45°			
LL03CR-HKxxL06		35x8.2	40°			

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
4 in 1	LL04LU-DNxxL06	25.4x10.5	40°		
	LL04CR-ABDxxL06	22x6.7		24°	
	LL04CR-GPxxL06	22.2x6.8	38° 45°		
	LL04CR-RXxxL06	35x10.5	40° 60°		
	LL04LU-DOxxL06	35x10.4	25° 40°		
	LL04ED-EXxxL06	25.4x10.4	60°		
6 in 1	LL06CR-RXxxL06	50x10.5	40° 60°		
	LL06ED-ADxxL06	73.3x11.5	60°		
7 in 1	LL07ZZ-FVxxL06	39.2x10.8	25° 30°		
	LL07CR-RXxxL06	50x10.3	40° 60°		
9 in 1	LL07ZZ-FUxxL06	50.35x10.7	25°		
	LL09CR-RXxxL06	70x10.3	40° 60°		
12 in 1	LL12CR-RXxxL06	70x10.3	40° 60°		
18 in 1	LL18ED-BLxxL06	110x13.1	40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		
Street Lighting	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
	LL01OS-AU60140L02	16x8.8x5.3		60x140° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	
	LL01LU-AEV50150L02	18x12.5x6.3		15x150° (Asymmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	



PHILIPS
LUMILEDS

LuxeonM



LuxeonMZ



LuxeonR



LuxeonS



■ Luxeon M

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

■ Luxeon MZ

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

■ Luxeon R

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01NI-AAFxxL02	11.8x6.5		60°	
	LL01LU-BDFxxL06-M2	13.5x7.35		40° 60°	V
	LL01LU-DFxxL06-M2	13.5x7.35	80° 100°		V
	LL01CR-HQxxL06	14.8x9.5	40° 60°		
	LL01CR-OTxxL06	15x9.7	40° 60° 80°		
	LL01LU-AFCxxL06	19.4x11.8		15X30°	
	LL01NI-ANExxL02	19.4x14.94		20° 30°	
	LL01CR-BNExxL06	19.4x14.6		40° 60°	
	LL01CR-NExxL06	19.4x15	40° 60° 80° 25X45°		
	LL01NI-GRxxL06	19.45x13.5	80°		
	LL01OS-MQxxL06	19.45x13.7	25° 40° 60°		
	LL01OS-AXxxL02	20x11.4	60°		
	LL01CR-BEXxxL06	20.9x9.2		40° 60°	
	LL01LU-QDxxL06-M2	22.4x9.63	25° 60°		V
	LL01LU-FLxxL06-M2	24.3x11.6	25° 30X65°		V
	LL01ED-CYxxL06	26.8x20.6	30° 45°		
	LL01CR-DGxxL06	28.8x16.65	30° 40° 60°		
	LL01ED-BBxxL06	35.8x16.5	60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
LL01LU-AAxxL06	19.7x13.8	20X65°			
LL01OS-CBxxL06	25.6x10	15°			

■ Luxeon S

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

■ Luxeon T/Tx

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BEXxL06	20.9x9.2	60°		
	LL01CR-BMxxL06	35.8x15.85	40°		
	LL01CR-BNExxL06	19.4x14.6	40° 35x70°		
	LL01CR-BRxxL06	19.65x12.5	10x45° 15x50° 15x80° 40x90°		
	LL01CR-DFxxL06	11.8x6.65	80° 100° 30x65°		
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.4	60°		
	LL01CR-NExxL06	19.4x15	15° 17° 25° 40° 60° 80° 10x45° 25x45°		
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-SQxxL06	19.4x12.9	40° 60° 80°		
	LL01CR-WlxxL02	28.8x17.4		25° 40°	
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01CR-YJxxL02	19.4x12.7	40° 60° 80° 100°		
	LL01CR-ZExxL02	35x20.4		20°	
	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	40°		
	LL01ED-ALxxL06	19.7x9.9	30x65°		
	LL01ED-ANxxL06	22.7x9.6	15x50°		
	LL01ED-AOxxL06	19.4x13.45	60°		
	LL01ED-ASxxR06	19.9x10.55	38°		
	LL01ED-CTxxL06	31x11.2	80°		
	LL01ED-CYxxL06	26.8x20.6	30°		
	LL01LU-AFCxxL06	19.4x11.8	20x50°		
	LL01CR-AAFxxL02	11.8x6.65		25°	
	LL01NI-AAFxxL02	11.8x6.65		45° 60°	
	LL01NI-ANExxL02	19.4x14.94		10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01OS-AXxxL02	20x11.5	20° 40° 60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	10° 30°		
	LL01OS-MQxxL06	19.45x13.7	15° 25° 40° 60°		
	LL01ZZ-AFLxxL02	22.2x10.4		35°	
	LL01ZZ-AHZxxL02	22.2x10.6		24° 38°	
	LL01ZZ-EXxxL06	21x9.3	40° 30x65°		
	LL01NI-BYKxxL19	16x8		20° 30° 40° 60°	

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01ZZ-FLxxL06	22.2x10.6	10° 25° 40° 60°			
	LL01CR-ADTxxL06	35x10.65	40°			
	LL01CR-FOxxL06	35.8x15.75	40°			
	LL01ED-FMxxL06	19.9x10.55	38°			
	LL01LU-AAxxL06	19.7x13.8	20°x65°			
	LL01LU-LHxxL06	21x9.15	15°			
	LL01NI-DZxxL06	22x15.7	20°x40°			
	LL01OS-CBxxL06	25.6x10	15°			
	LL03CR-AZxxL06	50x14.5	25° 45°			
	LL03CR-RXxxL06	35x9.6	25° 40° 60°			
	LL03ED-BCxxL06	43.9x9.5		15° 25°		
	LL03ED-CTxxL06	31x11.2	38° 80°			
	LL03ED-UYxxL06	33.2x10.3	40° 60°			
	LL03LU-DMxxL06	23.1x11	15° 25°			
	LL03LU-DOxxL06	35x10.6	15° 25°			
	LL03OS-GKxxL06	33.2x9.8	40° 60° 80°			
	LL04CR-RXxxL06	35x9.7	40° 60°			
	LL04ED-BDxxL06	43.9x9.5		15°		
	LL04LU-DNxxL06	25.4x10.5		15° 25°		
	LL04LU-DOxxL06	35x10.4		15° 25°		
	LL04LU-GPxxL06	22.2x6.8		15°		
	LL04OS-GKxxL06	37x9.8	40° 60° 80°			
	6 in 1	LL06CR-RXxxL06	50x9.65	40° 60°		
	7 in 1	LL07CR-RXxxL06	50x10.3	40° 60°		
		LL07OS-GKxxL06	47x9.8	40° 60° 80°		
	9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09OS-GKxxL06	67x9.8	40° 60° 80°			
12 in 1	LL12CR-RXxxL06	70x10.3	40° 60°			
	LL12OS-GKxxL06	67x9.8	40° 60° 80°			
Street Lighting	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)		
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)		
	LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)		
	LL01OS-AU60140L02	16x8.8x5.33		60x140° (Asymmetry)		
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)		
	LL04CR-BXJ80150L02	50x50x7.05		80x150° (Asymmetry)		
	LL04CR-CFN35155L02	50x50x6.5		35x155° (Asymmetry)		
	LL04CR-CFN60155L02	50x50x7.3		60x155° (Asymmetry)		
	LL04CR-BXJ60L02	50x50x7.3		60° (Symmetry)		
	LL04CR-BXJ90L02	50x50x7.3		90° (Symmetry)		





■ Luxeon Z / ES

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

■ CXM 6 / 7

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38° 55°	
	LL01CR-ZExxL02	35x20.4	20° 30° 45°		
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
Reflector	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
	LL01ED-ALlxxR49	50x19		24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5		36°	

■ CXM 11

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24° 38°	
Reflector	LL01ED-AKVxxR49	50.5x29.5		36°	
	LL01ZZ-AAAxL49	70x35		24° 38°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	

■ CXM 9

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24° 38°	
Reflector	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ED-ALlxxR49	50x19		24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5		36°	

■ CXM 14

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CI-ZOxxL06	60x15.2	25° 40°		
	LL01CT-BBxxL06	69x22.7		24° 38°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24° 38°	
	LL01ED-AKVxxR49	50.5x29.5		36°	
Reflector	LL01ZZ-AAAxL49	70x35		24° 38°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	

CXM 6/7



CXM 9



CXM 11



CXM 14



■ CXM 18

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
Reflector	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	

CXM 18



■ CXM 27

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-APGxxL06	84.6x18		24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
Reflector	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	

CXM 27



SBM 40 (RGBW)



■ SBM 40(RGBW)

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



066A
036B



036A
024B



121A
060B



216A
108B
130B



■ 066A / 036B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 38° 55°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24°	
	LL01CT-AMYxxL06	76x23		24°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15°	
	LL01ED-ASAxxL02-P	90.6x22		12° 24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
LL01SP-AVAxxL06	42x9.65		40°		
Reflector	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	

■ 121A / 060B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-BBXxxL06	69x22.7		24° 38°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01CT-AMYxxL06	76x23		24°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24°	
	LL01CT-APGxxL06	84.6x18		24° 38°	
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01ED-ASAxxL02-P	90.6x22		12° 24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01SP-AVAxxL06	42x9.65		40°	
	Reflector	LL01CR-AYGxxR49	75x45		15° 24° 38°
LL01CT-AYTxxR35-P		75x45		15° 24° 38°	
LL01SP-ATHxxR49		75x40		15° 24° 30° 38°	
LL01CR-AYMxxR35-P		90x50		15° 24° 38°	
LL01CT-AYXxxR35-P		90x50		15° 24° 38°	
LL01SP-ASOxxR49		90x50		15° 24° 38° 55°	

■ 036A / 024B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-ABGxxL02	34x15.7		24° 38° 55°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01SP-AVAxxL06	42x9.65		40°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
Reflector	LL01ED-ALLxxR49	50x19		24° 38° 55°	
	LL01ED-AKVxxR49	50.5x29.5		36°	

■ 216A / 108B / 130B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-BBXxxL06	69x22.7		24° 38°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01CT-AMYxxL06	76x23		24°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24°	
	LL01CT-APGxxL06	84.6x18		24° 38°	
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01ED-ASAxxL02-P	90.6x22		12° 24° 38°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	Reflector	LL01CR-AYGxxR49	75x45		15° 24° 38°
LL01CT-AYTxxR35-P		75x45		15° 24° 38°	
LL01SP-ATHxxR49		75x40		15° 24° 30° 38°	
LL01CR-AYMxxR35-P		90x50		15° 24° 38°	
LL01CT-AYXxxR35-P		90x50		15° 24° 38°	
LL01SP-ASOxxR49		90x50		15° 24° 38° 55°	

■ NVSxx19A

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01CR-BRxxL06	19.65x12.5	10x45° 15x50° 15x80° 40x90°			
	LL01CR-B\$xxL06	19.8x12.5	60°			
	LL01HS-DFxxL02-M2	13.5x7.35	80° 100° 30x65°		V	
	LL01XP-DGxxL06-M2	32.8x18	20° 30° 40° 50° 60°		V	
	LL01CR-HQxxL06	14.8x9.5	15° 40° 60° 80°			
	LL01CR-CNExxL06-M2	23.5x15.8	17° 25° 40° 60° 80° 10x45° 25x45°		V	
	LL01CR-SQxxL06	19.4x12.9	40° 60°			
	LL01ED-AJxxL06	28.9x19.7	40° 60°			
	LL01ED-AKxxL06	34.4x18.8	25° 40°			
	LL01ED-AQxxL06	22.5x10.45	40°			
	LL01ED-ASxxL06	19.9x10.15	60°			
	LL01ED-BBxxL06	35.8x16.5	60°			
	LL01ED-CTxxL06	31x11.2	38°			
	LL01ED-CYxxL06	26.8x20.6	30° 45°			
	LL01CR-AFCxxL06-M2	21.3x12.4	15x60° 20x50°		V	
	LL01HS-AAFxxL02-M2	13.5x7.35		25° 45° 60°	V	
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V	
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°			
	LL01OS-AXxxL02	20x11.5	40° 60°			
	LL01OS-BWxxL06	37.2x15.35	30°			
	LL01OS-BYxxL06	37.2x15.35	30°			
	LL01OS-MQxxL06	19.45x13.7	40°			
	LL01CR-EXxxL06-M2	22.4x9.7	10° 25° 40° 60° 30x65°		V	
	LL01XP-FLxxL06-M2	24.3x11.5	25° 40° 30x65°		V	
	LL01ED-FMxxL06	19.9x10.55	38°			
	LL01LU-AAxxL06	19.7x13.8	20°x65°			
	LL01OS-CBxxL06	25.6x10	15°			
	LL01ZZ-AHAxxL06	50x25.4		5°		
	3 in 1	LL03ED-BAxxL06	50.5x13	45°		
		LL03ED-GKxxL06	33.2x10.2	40°		
LL03LU-DMxxL06		23.1x11		15° 25°		
LL03LU-DOxxL06		35x10.6		15° 25°		
LL03LU-MKxxL06		23.1x11	15° 25°			
LL03NI-QQxxL06		35x10.5	25°			
LL03OS-GKxxL06		33.2x9.8	25° 60° 80°			
4 in 1	LL04CR-GPxxL06	22.2x6.7	38°			
	LL04ED-GKxxL06	37x10.3	40°			
	LL04LU-DNxxL06	25.4x10.5		15° 25°		

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
4 in 1	LL04LU-DOxxL06	35x10.4		15° 25°	
	LL04LU-GPxxL06	22.2x6.8	45°		
	LL04OS-GKxxL06	37x9.8	40° 60° 80°		
6 in 1	LL06CR-AXNxL06-M2	76x13		25°	V
	LL06ED-ADxxL06	73.3x11.5	25° 40° 60°		
	LL06CR-AXMxxL06-M2	76x13		25°	V
	LL06CR-AXLxxL06-M2	76x13		25°	V
7 in 1	LL07ED-GKxxL06	47x10.5	40°		
	LL07OS-GKxxL06	47x9.8	40° 60° 80°		
	LL07ZZ-FUxxL06	50.35x10.7	25°		
	LL07ZZ-FVxxL06	39.2x10.6	25° 30° 60°		
9 in 1	LL09ED-BZxxL06	90.75x16.5	25°		
	LL09ED-GKxxL06	67x10.8	40°		
	LL09OS-GKxxL06	67x9.8	40° 60° 80°		
	LL09ED-ATxxL06	90.6x17.5	40°		
12 in 1	LL12ED-AGxxL06	112x13.4	45°		
	LL12ED-GKxxL06	67x10.8	40°		
	LL12OS-GKxxL06	67x9.8	40° 60° 80°		
15 in 1	LL15ED-BHxxL06	95x11.1	40°		
18 in 1	LL18ED-BLxxL06	110x13.1	40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		
36 in 1	LL36ED-AAxxL06	140x12.6	45°		
Street Lighting	LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)	
	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x6.95		80x150° (Asymmetry)	
	LL12ED-VT85160L02	158x50x9.4		85x160° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	



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■ NCSxx19A

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BRxxL06	19.65x12.5	40° 10°x45° 15°x50° 15°x80° 40°x90°		
	LL01HS-DFxxL02-M2	13.5x7.35	80° 100° 30°x65°		V
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.6	15° 25° 30° 40° 60° 80°		
	LL01CR-CNExxL06-M2	23.5x15.8	17° 25° 40° 60° 80° 25°x45°		V
	LL01CR-SQxxL06	19.4x12.9	40° 60°		
	LL01CR-YJxxL02	19.4x12.6	40° 60° 80°		
	LL01ED-AJxxL06	28.9x19.7	40° 60°		
	LL01ED-AKxxL06	34.4x18.8	40°		
	LL01ED-ASxxL06	19.9x10.15	60°		
	LL01ED-BBxxL06	35.8x16.5	60°		
	LL01ED-CTxxL06	31x11.2	38°		
	LL01CR-AFCxxL06-M2	21.3x12.4	15°x60°		V
	LL01HS-AAFxxL02-M2	13.5x7.35		25°	V
	LL01RP-AAFxxL02-M2	13.5x7.35		45° 60°	V
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V
	LL01OS-AXxxL02	20x11.5	40° 60°		
	LL01OS-MQxxL06	19.45x13.7	40° 60°		
	LL01ZZ-EXxxL06	21x9.15	10° 25° 40° 60° 30°x65°		
	LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60°		
LL01ED-FMxxL06	19.9x10.55	35°			
LL01ZZ-AHxxL06	50x25.4		5°		
3 in 1	LL03CR-RXxxL06	35x9.6	40° 60°		
	LL03ED-BAXxxL06	50.5x13	45°		
	LL03ED-GKxxL06	33.2x10.2	40°		
	LL03ED-UYxxL06	33.2x10.3	40°		
	LL03LU-DMxxL06	23.1x11		15° 25°	
	LL03LU-DOxxL06	35x10.6		15° 25°	
	LL03LU-MKxxL06	23.1x11		15° 25°	
4 in 1	LL03NI-QQxxL06	35x10.5		25°	
	LL03OS-GKxxL06	33.2x9.8		25° 60° 80°	
	LL04CR-RXxxL06	35x9.7		40° 60°	
	LL04ED-GKxxL06	37x10.3		40°	
	LL04ED-UYxxL06	37x10.3		40°	
	LL04LU-DNxxL06	25.4x10.5		15° 25°	
	LL04LU-DOxxL06	35x10.4		15° 25°	
LL04OS-GKxxL06	37x9.8	40° 60° 80°			

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
6 in 1	LL06CR-RXxxL06	50x9.65	40° 60°		
	LL06ED-ADxxL06	73.3x11.5	25° 40° 60°		
	LL06CR-AXMxxL06-M2	76x13		15° 25°	V
	LL06CR-AXLxxL06-M2	76x13		25°	V
7 in 1	LL07CR-RXxxL06	50x10.3	40° 60°		
	LL07ED-GKxxL06	47x10.5	40°		
	LL07ED-UYxxL06	47x10.3	40°		
	LL07OS-GKxxL06	47x9.8	40° 60° 80°		
	LL07ZZ-FUxxL06	50.35x10.7		25°	
LL07ZZ-FVxxL06	39.2x10.8	30° 60°	25°		
9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL09ED-GKxxL06	67x10.8	40°		
	LL09ED-UYxxL06	67x10.3	40°		
	LL09OS-GKxxL06	67x9.8	40° 60° 80°		
12 in 1	LL09ED-ATxxL06	90.6x17.5	40°		
	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL12ED-AGxxL06	112x13.4	25°		
	LL12ED-GKxxL06	67x10.8	40°		
	LL12ED-UYxxL06	67x10.3	40°		
15 in 1	LL12OS-GKxxL06	67x9.8	40° 60° 80°		
	LL15ED-BHxxL06	95x11.1	40°		
18 in 1	LL18ED-BbxxL06	110x13.1	25° 40°		
24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		
Street Lighting	LL01CR-AU85135L02	18x10.2 x 6.1		85x135° (Asymmetry)	
	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)	
	LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)	
	LL01ZZ-AGX45155L02	18x12.5x7		45x155° (Asymmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	



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NVSxx
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■ NVSxx19B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-CRxxL06-M2	13.55x7.25	40° 60°		V	4 in 1	LL04CR-RXxxL06	35x9.7	40° 60°		
	LL01CR-BMxxL06	35.8x15.85	40°				LL04ED-GKxxL06	37x10.3	40°		
	LL01CR-BRxxL06	19.65x12.5	40° 10x45° 15x50° 15x80° 40x90°				LL04LU-DNxxL06	25.4x10.5		15° 25°	
	LL01HS-DFxxL02-M2	13.5x7.35	80° 100° 30x65°		V		LL04LU-DOxxL06	35x10.4		15° 25°	
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°			LL04OS-GKxxL06	37x9.8	40° 60°			
	LL01CR-HQxxL06	14.8x9.6	15° 30° 40° 60° 80°			5 in 1	LL05CR-BFRxxL06	35.8x6.3	25° 40° 60°		
	LL01CR-CNExxL06-M2	23.5x15.8	17° 25° 40° 60° 80° 10x45° 25x45°			V	6 in 1	LL06CR-RXxxL06	50x9.65	40° 60°	
	LL01CR-SQxxL06	19.4x12.9	40° 60°			7 in 1	LL07CR-BFRxxL06	35.8x6.3		25° 40° 60°	
	LL01CR-WIxxL02	28.8x17.4	15° 25° 40°			LL07CR-RXxxL06	50x10.3	40° 60°			
	LL01CR-XSxxL06	22.2x10.6	40°			LL07ED-GKxxL06	47x10.5	40°			
	LL01CR-YJxxL02	19.4x12.7	80° 100°			LL07OS-GKxxL06	47x9.8	40° 60°			
	LL01ED-AFDxxL06	26x15.3			20°	9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL01ED-AJxxL06	28.9x19.8	10° 25° 40° 60°			LL09ED-GKxxL06	67x10.8	40°			
	LL01ED-ALxxL06	19.7x9.9	30x65°			LL09OS-GKxxL06	67x10.8	40° 60°			
	LL01ED-ANxxL06	22.6x9.9	25°			LL12CR-RXxxL06	70x10.3	40° 60°			
	LL01ED-ASxxR06	19.9x10.55	38°			12 in 1	LL12ED-GKxxL06	67x10.8	40°		
	LL01ED-ASxxL06	19.9x10.15	60°			LL12OS-GKxxL06	67x9.8	40° 60°			
	LL01ED-BBxxL06	35.8x16.5	60°			24 in 1	LL24ED-ABxxL06	174.5x12.7	45°		
	LL01ED-CTxxL06	31x11.2	38°			LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)		
	LL01CR-AFCxxL06-M2	21.3x12.4	15x60° 20x50°			V	LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)	
	LL01HS-AAFxxL02-M2	13.5x7.35			25°	V	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01RP-AAFxxL02-M2	13.5x7.35			45° 60°	V	LL01CR-OG85150L02	18x8.95x6.2		85x150° (Symmetry)	
	LL01NI-ANExxL02-M2	23.5x15.8			10° 20° 30°	V	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01NI-GRxxL06	19.45x13.5	25° 40° 60° 80°			LL01CR-PB70140L02	22.4x11.4x6.9		70x140° (Asymmetry)		
	LL01OS-BWxxL06	37.2x15.35	30°			LL01LU-AEV50150L02	18x12.5x6.3		50x150° (Asymmetry)		
	LL01OS-BYxxL06	37.2x15.35	30°			LL01LU-AIK45135L02	18x12.5x7.05		45x135° (Asymmetry)		
	LL01OS-MQxxL06	19.45x13.7	15° 25° 40° 60°			LL01LU-UQ70140L02	18x11x6.6		70x140° (Asymmetry)		
	LL01ZZ-AFLxxL02	22.2x10.4			50°	Street Lighting	LL01OS-AU60130L02	30.1x14.3x8.5		60x130° (Symmetry)	
	LL01CR-EXxxL06-M2	22.4x9.7	10° 25° 40° 60° 30x65°			V	LL01OS-AU60140L02	16x8.8x5.3		60x140° (Asymmetry)	
	LL01XP-FLxxL06-M2	24.3x11.5	10° 25° 40° 60° 30x65°			V	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL01ED-FMxxL06	19.9x10.55	38°			LL04CR-BXJ80150L02	50x50x6.95		80x150° (Asymmetry)		
	LL01ED-ZBxxL06	19.6x10.4	15°			LL14LU-ALY90130L19	250x60x9.3		90x130° (Asymmetry)		
LL01LU-LHxxL06	21x9.15	15°			LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)			
LL01OS-CBxxL06	25.6x10	15°			LL24LU-JT60120L02	126x110x10.5		60x120° (Asymmetry)			
LL01ZZ-AHAxxL06	50x25.4			5°	LL24OS-JT110150L02	126x110x9		110x150° (Asymmetry)			
3 in 1	LL03CR-RXxxL06	35x9.6	40° 60°			LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)		
	LL03ED-GKxxL06	33.2x10.2	40°			LL30CR-PT60140L02	235x71x9.4		60x140° (Asymmetry)		
	LL03LU-DMxxL06	23.1x11	15° 25°								
	LL03LU-DOxxL06	35x10.6	15° 25°								
	LL03OS-GKxxL06	33.2x9.8	25° 40° 60°								

■ NCSxx19B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01HS-AAFxxL02-M2	13.5x7.35		25° 45° 60°	V	
	LL01CR-BDFxxL06	11.8x6.45		40° 60° 30x70°		
	LL01HS-DFxxL02-M2	13.5x7.35	80° 100° 30x65°		V	
	LL01CR-HQxxL06	14.8x9.5	40° 60° 80°			
	LL01LU-AFCxxL06	19.4x11.8		10x35° 15x30°		
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V	
	LL01CR-SQxxL06	19.4x12.9	40° 60°			
	LL01CR-YJxxL02	19.4x12.7	80° 100°			
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°			
	LL01OS-MQxxL06	19.45x13.7	25° 40° 60°			
	LL01CR-EXxxL06-M2	23x10.63	10° 25° 40° 60° 30x65°		V	
	LL01XP-FLxxL06-M2	24.3x11.6	10° 25° 40° 60° 30x65°		V	
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°			
	LL01CR-WlxxL02	28.8x17.4	15° 25° 40°			
	3 in 1	LL01ED-AJxxL06	28.9x19.8	10° 25° 40° 60°		
LL01ZZ-AHAXxL06		50x25.4		5°		
LL03LU-DMxxL06		23.1x11	15° 25°			
LL03ED-GKxxL06		33.2x10.2	40°			
LL03OS-GKxxL06		33.2x9.8	25° 40° 60°			
LL03CR-RXxxL06		35x10.5	40° 60°			
4 in 1		LL04LU-DNxxL06	25.4x10.5	15° 25°		
		LL04CR-RXxxL06	35x10.5	40° 60°		
		LL04LU-DOxxL06	35x10.4	25°		
		LL04NI-DOxxL02	35x10.5	25° 40°		
		LL04ED-GKxxL06	37x10.3	40°		
		LL04OS-GKxxL06	37x9.8	40° 60°		
6 in 1		LL06CR-RXxxL06	50x10.5	40° 60°		
		LL07ED-GKxxL06	47x10.5	40°		
7 in 1		LL07OS-GKxxL06	47x9.8	40° 60°		
	LL07CR-RXxxL06	50x10.3	40° 60°			
	LL07ZZ-FUxxL06	50.35x10.7	25°			
	LL09ED-GKxxL06	67x10.8	40°			
9 in 1	LL09OS-GKxxL06	67x9.8	40° 60°			
	LL09CR-RXxxL06	70x10.3	40° 60°			
	LL12ED-GKxxL06	67x10.8	40°			
12 in 1	LL12OS-GKxxL06	67x9.8	40° 60°			
	LL12CR-RXxxL06	70x10.3	40° 60°			





NF2x
757A/D



■ NF2x757A/D

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

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
5 in 1	LL05CR-BFRxxL06	35.8x6.3		25° 40° 60°	
6 in 1	LL06CR-RXxxL06	50x9.65	60°		
	LL06ED-ADxxL06	73.3x11.5	25° 40°		
7 in 1	LL06CR-AXMxxL06-M2	76x13		15° 25°	V
	LL07CR-BFRxxL06	35.8x6.3		25° 40° 60°	
	LL07CR-RXxxL06	50x10.3	60°		
9 in 1	LL07ED-GKxxL06	47x10.5	40°		
	LL07OS-GKxxL06	67x9.8	60° 80°		
	LL09CR-RXxxL06	70x10.3	60°		
12 in 1	LL09ED-GKxxL06	67x10.8	40°		
	LL09OS-GKxxL06	67x9.8	60° 80°		
15 in 1	LL12CR-RXxxL06	70x10.3	60°		
18 in 1	LL12ED-GKxxL06	67x10.8	40°		
24 in 1	LL12OS-GKxxL06	67x9.8	60° 80°		
Street Lighting	LL15ED-BHxxL06	95x11.1	40°		
	LL18ED-BlxxL06	110x13.1	40°		
	LL24ED-ABxxL06	174.5x12.7	45°		
Street Lighting	LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL04CR-BXJ90L02	50x50x7.05		90° (Symmetry)	

Oslo Square

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ACZxxL02	27.8x10.2		24° 38°	
	LL01OS-BDFxxL06-M2	13.5x7.35	40° 60°		V
	LL01CR-BEXxxL06	20.9x9.2	40° 60°		
	LL01CR-BMxxL06	35.8x15.85	40°		
	LL01CR-BNExxL06	19.4x14.6	25° 40° 60° 35x70°		
	LL01CR-BRxxL06	19.65x12.5	40° 10x45° 15x50° 15x80° 40x90°		
	LL01OS-BDFxL06-M2	11.8x6.65	40° 60° 80° 100° 30x65°		V
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-HQxxL06	14.8x9.6	30° 40° 60° 80°		
	LL01CR-NExxL06	19.4x15	15° 25° 40° 60° 80° 10x45° 25x45°		
	LL01CR-OTxxL06	15x9.7	80°		
	LL01CR-SQxxL06	19.4x12.9	40° 60°		
	LL01CR-WIxxL02	28.8x17.4		25° 40°	
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01CR-YJxxL02	19.4x12.6	40° 60°		
	LL01CR-ZExxL02	35x20.4		20° 45°	
	LL01ED-ACZxxL02	35x10.7		24° 38°	
	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-AJxxL06	28.9x19.7	40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-ALxxL06	19.65x11.4	15° 30x65°		
	LL01ED-ANxxL06	22.7x9.6	15x50°		
	LL01ED-AOxxL06	19.4x13.45	60°		
	LL01ED-ASxxR06	19.9x10.55	38°		
	LL01ED-ASxxL06	19.9x10.15	60°		
	LL01ED-CTxxL06	31x11.2	38°		
	LL01ED-CYxxL06	26.8x20.6	30° 45° 30x65°		
	LL01OS-AFCxxL06-M2	19.4x11.8	15x60° 20x50°		V
	LL01OS-AAFxxL06-M2	13.5x7.35		25° 45° 60°	V
	LL01NI-ANExxL02	19.4x14.94		10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01OS-AXxxL06	20x11.5	20° 40° 60°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
LL01OS-HGxxL06	10x6	40°			
LL01OS-MQxxL06-M2	21.05x14.75	15° 25° 40° 60°		V	
LL01OS-EXxxL06-M2	22.4x9.7	10° 25° 40° 60° 30x65°		V	
LL01ZZ-FLxxL06	24.3x11.5	10° 40° 60°		V	
LL01CR-ADTxL06	35x10.65	40°			
LL01CR-FOxxL06	35.8x15.75	40°			
LL01ED-FMxxL06	19.9x10.55	38°			
LL01OS-CBxxL06	25.6x10	15°			

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





Osion
SSL80



■ Osion SSL80

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01OS-BDFxxL06-M2	13.5x7.35	40° 60° 100°		V	6 in 1	LL06CR-AXNxxL06-M2	76x13		25°	V	
	LL01CR-BRxxL06	19.65x12.5	40°				LL06CR-RXxxL06	50x9.65	40° 60°			
	LL01CR-DGxxL06	28.8x16.65	30° 40° 60°				LL06ED-ADxxL06	73.3x11.5	25° 40° 60°			
	LL01CR-HQxxL06	14.8x9.6	15° 30° 40° 60° 80°				LL06CR-AXMxxL06-M2	76x13		15° 25° 35°	V	
	LL01CR-NExxL06	19.4x15	40° 60° 80° 25x45°				LL06CR-AXLxxL06-M2	76x13		25°	V	
	LL01ED-AJxxL06	28.9x19.7	40° 60°			7 in 1	LL07CR-RXxxL06	50x10.3	40° 60°			
	LL01ED-AKxxL06	34.4x18.8	40°				LL07ED-UYxxL06	47x10.3	40°			
	LL01ED-BBxxL06	35.8x16.5	60°				LL07OS-GKxxL06	47x9.8	40° 60° 80°			
	LL01ED-CTxxL06	31x11.2	38°				LL07ZZ-FUxxL06	50.35x10.7	15° 25°			
	LL01OS-AFCxxL06-M2	21.3x12.4		10° 15° 25° 30° 10x35° 15x30°	V		LL07ZZ-FVxxL06	39.2x10.6	15° 25°			
	LL01OS-AAFxxL06-M2	13.5x7.35			25°	V	9 in 1	LL09CR-RXxxL06	70x10.3	40° 60°		
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°			LL09ED-UYxxL06		67x10.3	40°			
	LL01OS-AXxxL02	20x11.5	40° 60°			LL09OS-GKxxL06		67x9.8	40° 60° 80°			
	LL01OS-BWxxL06	37.2x15.35	30°			12 in 1	LL12CR-RXxxL06	70x10.3	40° 60°			
	LL01OS-BYxxL06	37.2x15.35	30°				LL12ED-AGxxL06	112x13.4	45°			
	LL01OS-HGxxL06	10x6	40° 60°				LL12ED-UYxxL06	67x10.3	40°			
	LL01OS-MQxxL06-M2	21.05x14.75	15° 25° 40° 60°		V		LL12OS-GKxxL06	67x9.8	40° 60° 80°			
	LL01OS-EXxxL06-M2	22.4x9.7	10° 25° 40° 60° 30x65°		V	24 in 1	LL24ED-ABxxL06	174.5x12.7	45°			
	LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60°			36 in 1	LL36ED-AAxxL06	140x12.6	45°			
	LL01ED-FMxxL06	19.9x10.55	38°			60 in 1	LL60ED-BOxxL06	180x13.1	45°			
LL01OS-CBxxL06	25.6x10	15°			Street Lighting	LL01CR-APM80150L02	18x12.5x6.95		80x150° (Asymmetry)			
LL01ZZ-AHAxxL06	50x25.4		5°			LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)			
LL01OS-BFVxxL06	20.8x12.35		15° 25° 30° 15x40°			LL01CR-FT60135L02	18x9.3x5.9		60x135° (Symmetry)			
3 in 1	LL03CR-RXxxL06	35x9.6	40° 60°				LL01CR-KM6090L02	17.55x11.6x8.6		60x90° (Symmetry)		
	LL03ED-UYxxL06	33.2x10.3	40°				LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)		
	LL03LU-DMxxL06	23.1x11	15° 25° 40°				LL01OS-AU60140L02	16x5.3		60x140° (Asymmetry)		
	LL03LU-DOxxL06	35x10.6	15° 25° 40°				LL04CR-BXJ80150L02	50x50x7.05		80x150° (Asymmetry)		
LL03OS-GKxxL06	33.2x9.8	25° 40° 60° 80°				LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)			
4 in 1	LL04CR-GPxxL06	22.2x6.7	25° 38° 45°				LL28CR-UI65140L14	259.2x79.7x12.2		65x140° (Asymmetry)		
	LL04CR-RXxxL06	35x9.7	40° 60°				LL30CR-PT60140L02	235x71x9.4		60x140° (Asymmetry)		
	LL04ED-UYxxL06	37x10.3	40°									
	LL04LU-DNxxL06	25.4x10.5		15° 25° 40°								
LL04LU-DOxxL06	35x10.4		15° 25° 40°									
LL04OS-GKxxL06	37x9.8	40° 60° 80°										

Oslon SSL150

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BExxL06	20.9x9.2		25° 40° 60°	
	LL01CR-BRxxL06	19.65x12.5	40° 15x50°		
	LL01OS-BDFxxL06-M2	13.5x7.35	25° 60° 80° 30x65°		V
	LL01CR-DGxxL06	28.8x16.65	30° 40° 60°		
	LL01CR-HQxxL06	14.8x9.5	40° 60°		
	LL01CR-NExxL06	19.4x15	25° 40° 60°		
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-ASxxR06	19.9x10.55	38° 60°		
	LL01ED-BBxxL06	35.8x16.5	60°		
	LL01ED-CTxxL06	31x11.2	38°		
	LL01ED-CVxxL06	19.6x12.3	25°		
	LL01NI-ANExxL02	19.4x14.94		10° 20° 30°	
	LL01NI-GRxxL06	19.45x13.5	40°		
	LL01OS-AXxxL02	20x11.5	40°		
	LL01OS-BWxxL06	37.2x15.35	30°		
	LL01OS-BYxxL06	37.2x15.35	30°		
	LL01OS-EXxxL06-M2	22.4x9.7	25° 40° 30x65°		V
	LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60° 30x65°		
	LL01ED-FMxxL06	19.9x10.55	38°		
LL01OS-CBxxL06	25.6x10	15°			
LL01ZZ-AHAxxL06	50x25.4		5°		
3 in 1	LL03ED-CTxxL06	31x11.2			
	LL03ED-UYxxL06	33.2x10.3	38°		
	LL03LU-DMxxL06	23.1x11		40°	
4 in 1	LL03LU-DOxxL06	35x10.6		25° 40°	
	LL04ED-UYxxL06	37x10.3	25° 40°		
	LL04LU-DNxxL06	25.4x10.5	40°		
6 in 1	LL04LU-DOxxL06	35x10.4	25° 40°		
	LL06CR-AXNxxL06-M2	76x13		25°	V
	LL06ED-ADxxL06	73.3x11.5	25°		
	LL06CR-AXMxxL06-M2	76x13		25°	V
7 in 1	LL06CR-AXLxxL06-M2	76x13		25°	V
	LL07ED-UYxxL06	47x10.3	40°		
9 in 1	LL09ED-UYxxL06	67x10.3	40°		
	LL12ED-AGxxL06	112x13.4	40°		
12 in 1	LL12ED-BGxxL06	95x11.2	45°		
	LL12ED-UYxxL06	67x10.3	40°		
18 in 1	LL18ED-BIxxL06	110x13.1	40°		
	LL01CR-AU85135L02	18x10.2x6.1		85x135° (Asymmetry)	
Street Lighting	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL24CR-AU75135L02	120x100x10.2		75x135° (Asymmetry)	

OSTAR

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ABGxxL02	34x15.7		24° 55°	
	LL01CR-ACZxxL02	27.8x10.2		24°	
	LL01CR-DGxxL06	28.8x16.75	30° 40° 50° 60°		
	LL01CR-NExxL06	19.4x4.9	80°		
	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-SQxxL06	19.4x12.9	40° 60°		
	LL01CR-WIxxL02	28.8x17.4		25° 40°	
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01CR-YJxxL02	19.4x12.7	40° 100°		
	LL01CR-ZExxL02	35x20.4		20° 45°	
	LL01ED-ACZxxL02	35x10.7		24° 38°	
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01ED-AOxxL06	19.4x13.45	60°		
	LL01ED-AQxxL06	22.5x10.5	60°		
	LL01ED-ASxxR06	19.9x10.55	38° 60°		
	LL01ED-BBxxL06	35.8x16.5	60°		
	LL01ED-CYxxL06	26.8x20.6	30° 45°		
	LL01NI-GRxxL06	19.45x13.5	40° 60° 80°		
	LL01OS-AXxxL02	20x11.5	40° 60°		
LL01OS-BWxxL06	37.2x15.35	30°			
LL01OS-BYxxL06	37.2x15.35	30°			
LL01ZZ-AFLxxL02	22.2x10.4		35°		
LL01ZZ-AHZxxL02	22.2x10.6		38°		
LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60°			
LL01CR-ADTxxL06	35x10.65	40°			
LL01OS-CBxxL06	25.6x10	15°			
3 in 1	LL03CR-AZxxL06	50x14.5	45°		
Street Lighting	LL01CR-DL90120L02	26x15.8x9.15		90x120° (Asymmetry)	
	LL01CR-OW70130L02	17.4x12.75x7.2		70x130° (Asymmetry)	
	LL01CR-XW70140L02	32x17.6x9.8		70x140° (Asymmetry)	
	LL01LU-AGV80150L02	32x18.5x9.5		80x150° (Asymmetry)	



Osion
SSL150



OSTAR





Duris S5



Duris S8



SOLER IQ S13



SOLER IQ S19



OSTAR RGBW



■ **Duris S5**

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

■ **Duris S8**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AFLxxL02	22.2x10.4		35°	
	LL01ZZ-FLxxL06	22.2x10.6	25° 40°		
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01ED-AFDxxL06	26x15.5		15°	
	LL01CR-DGxxL06	28.8x16.6	20° 30° 40° 50° 60°		
	LL01ED-AJxxL06	28.9x19.7	40° 60°		
	LL01ED-ACAxxL14	29.9x12.1		38°	
	LL01CR-ABGxxL02	34x15.7		24°	
	LL01ED-AKxxL06	34.4x18.8	25°		
	LL01ED-BCQxxL06	34.75x19.25		15° 15x30°	
	LL01CR-ZExxL02	35x20.4	20°		
	LL01OS-CBxxL06	25.6x10	15°		
	LL01CR-BGSxxL06	34x15.7		24°	
LL01CR-ADTxxL06	35x10.65		30°		
Street Lighting	LL04CR-BXJ80150L02	50x50x7.05		80x150° (Asymmetry)	

■ **SOLER IQ S13**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24°	
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01ED-ASAxxL02-P	90.6x22		12° 24°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
	LL01CR-BGCxxR49	75x45		24° 38°	

■ **SOLER IQ S19**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01CT-AMYxxL06	76x23		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24°	
	LL01CT-APGxxL06-M2	84.6x18		24° 38°	V
	LL01ED-ASAxxL02-P	90.6x22		12° 24°	
	LL01ED-ASAxxL06-P	90.6x22		12° 24° 38°	
Reflector	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYYxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	

■ **OSTAR RGBW**

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

■ CI series

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

■ BI / N series

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CT-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CT-AMYxxL06	76x23		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01ZZ-AAAxxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
LL01SP-ASOxxR49	90x50		15° 24° 38° 55°		

■ S series

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

■ HORNET

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ZZ-AFLxxL02	22.2x10.4	35° 50° 70°		
	LL01ZZ-AHZxxL02	22.2x10.6	24° 38°		
	LL01ZZ-FLxxL06	22.2x10.6	10° 25°		
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-WlxxL02	28.8x17.4	15° 25°		

■ HORNET color

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



CI series



BI series



N series



S series



HORNET



HORNET color





PHENIX 3020



PHENIX 3045



PHENIX 3535



PROEON



PROEON color



PHENIX 3020

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

PHENIX 3045

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

PHENIX 3535

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

PROEON

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

PROEON Color

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

■ LC026B / 033B / 040B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CT-AMYxxL06	76x23		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		15° 24° 38°	
	LL01CT-APGxxL06-M2	90.8x22		24° 38°	V
	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01ED-ASAXxL02-P	90.6x22		12° 24° 38°	
	LL01ED-ASAXxL06-P	90.6x22		12° 24° 38°	
Reflector	LL01SP-AVAXxL06	42x9.65		40°	
	LL01ZZ-AAAXxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	

■ LH351Z

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-AAFxxL02-M2	13.5x7.35		25° 45° 60°	V
	LL01CR-DFxxL06-M2	13.5x7.35	80° 100° 30x65°		V
	LL01CR-OTxxL06	15x9.7	40° 60° 80°		
	LL01CR-AFCxxL06-M2	21.3x12.35		10x35° 15x30°	V
	LL01CR-AFCxxL06-M2	21.3x12.35		15° 25° 30°	V
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V
	LL01CR-BNExxL06	19.4x14.6		25° 40° 35x70°	
	LL01CR-NExxL06-M2	23.5x15.8	17° 25° 40° 60° 25x45°		V
	LL01OS-BFVxxL06	20.8x12.35		15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2		60°	
	LL01ZZ-EXxxL06-M2	22.4x9.63		10° 25° 40°	V
	LL01ZZ-AFLxxL02	22.2x10.4		35° 50°	
	LL01XP-FLxxL06-M2	24.3x11.6	10° 25° 60° 30x65°		V
	3 in 1	LL03ED-GKxxL06	33.2x10.2	25° 40°	
LL03CR-RXxxL06		35x10.5	40° 60°		
4 in 1	LL04CR-RXxxL06	35x10.5	40° 60°		
	LL04ED-GKxxL06	37x10.3	25° 40°		
6 in 1	LL06CR-RXxxL06	50x10.5	40° 60°		
7 in 1	LL07ED-GKxxL06	47x10.5	25° 40°		
	LL07CR-RXxxL06	50x10.3	40° 60°		
9 in 1	LL09ED-GKxxL06	67x10.8	25° 40°		
	LL09CR-RXxxL06	70x10.3	40° 60°		
12 in 1	LL12CR-RXxxL06	70x10.3	40° 60°		
	LL12ED-GKxxL06	67x10.8	25° 40°		
Street Lighting	LL04CR-BXJ45155L02	50x50x6.95		45x155° (Asymmetry)	
	LL04CR-BXJ80150L02	50x50x7.05		80x150° (Asymmetry)	

■ LC013B / 019B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-FGxxL06	43.8x24.5	38°	10°	
	LL01CR-PVxxL02	45x23.7	45° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CI-ZOxxL06	60x15.2		25° 40°	
	LL01CT-BBXxxL06	69x22.7		24° 38°	
	LL01ZZ-AOFxxL06-M2	76.4x16.7		24° 38°	V
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01CT-AMYxxL06	76x23		24° 38°	
	LL01CR-BAYxxL06	76x22.5		24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		15° 24° 38°	
	LL01SP-AVAXxL06	42x9.65		40°	
	LL01ZZ-AHAXxL06	50x25.4		5°	
	LL01ED-IHxxL02	87x44.25		60°	
Reflector	LL01CI-AAKxxL06	68.8x19.25		25°	
	LL01CI-ZMxxL06	68.8x19.18		40°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CT-AJZxxR49	50x19		36° 50°	
	LL01ZZ-AAAXxL49	70x35		24° 38° 55°	
	LL01CR-AYGxxR49	75x45		15° 24° 38°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		15° 24° 30° 38°	
	LL01CR-AYMxxR35-P	90x50		15° 24° 38°	
	LL01CT-AYXxxR35-P	90x50		15° 24° 38°	
LL01SP-ASOxxR49	90x50		15° 24° 38° 55°		

■ LH934A

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



LC026B
LC033B
LC040B



LC013B
LC019B



LH351Z



LH934A



LH351A

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-AAFxxL02	11.8x6.65		25°	
	LL01NI-AAFxxL02	11.8x6.5		45° 60°	
	LL01CR-DFxxL06	11.8x6.65	80° 100° 30x65°		
	LL01CR-HQxxL06	14.8x9.6	15° 25° 30° 40° 60° 80° 25x45°		
	LL01CR-OTxxL06	15x9.7	40° 60° 80°		
	LL01LU-AFCxxL06	19.4x11.8		10x35° 15x30°	
	LL01OS-AFCxxL06	19.4x11.43		15° 25° 30°	
	LL01NI-ANExxL02	19.4x14.94		10° 20° 30°	
	LL01CR-BNExxL06	19.4x14.6		25° 40° 60° 35x70°	
	LL01CR-NExxL06	19.4x15	25° 40° 60° 80° 10x45° 25x45°		
	LL01CR-SQxxL06	19.4x12.9	40° 60° 80°		
	LL01CR-YJxxL02	19.4x12.7	40° 60° 80° 100°		
	LL01ED-CVxxL02	19.6x12.3	15°		
	LL01OS-BFVxxL06	20.8x12.35		15° 25° 30° 10x40°	
	LL01CR-BEXxxL06	20.9x9.2		60°	
	LL01ZZ-EXxxL06	21x9.3	10° 25° 40° 30x65°		
	LL01ZZ-AFLxxL02	22.2x10.4		35° 50°	
	LL01ZZ-FLxxL06	22.2x10.6	10° 25° 60° 30x65°		
LL01CR-XSxxL06	22.2x10.6	40°			
LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°			
LL01CR-WlxxL02	28.8x17.4	15° 25° 40°			
3 in 1	LL03LU-DMxxL06	23.1x11	15° 25°		
	LL03ED-CTxxL06	31x11.2	38°		
	LL03ED-GKxxL06	33.2x10.2	25° 40°		
	LL03OS-GKxxL06	33.2x9.8	40° 60° 80°		
	LL03CR-RXxxL06	35x10.5	40° 60°		
	LL03LU-DOxxL06	35x10.6	15° 25°		
4 in 1	LL04CR-GPxxL06	22.2x6.7	25° 38° 45°		
	LL04LU-GPxxL06	22.2x6.8	15° 25° 45°		
	LL04LU-DNxxL06	25.4x10.5	15° 25°		
	LL04CR-RXxxL06	35x10.5	40° 60°		
	LL04LU-DOxxL06	35x10.4	15° 25°		
	LL04ED-GKxxL06	37x10.3	25° 40°		
6 in 1	LL04OS-GKxxL06	37x9.8	40° 60° 80°		
	LL06CR-RXxxL06	50x10.5	40° 60°		
7 in 1	LL07ED-GKxxL06	47x10.5	25° 40°		
	LL07OS-GKxxL06	47x9.8	40° 60° 80°		
	LL07CR-RXxxL06	50x10.3	40° 60°		

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



LH351A



LH351B

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-AAFxxL02	11.8x6.65	25°		
	LL01NI-AAFxxL02	11.8x6.5	45° 60°		
	LL01CR-DFxxL06	11.8x6.65	80° 100° 30x65°		
	LL01CR-HQxxL06	14.8x9.6	25° 30° 40° 60° 80° 25x45°		
	LL01CR-OTxxL06	15x9.7	40° 60° 80°		
	LL01LU-AFCxxL06	19.4x11.8	10x35° 15x30°		
	LL01OS-AFCxxL06	19.4x11.43	10° 15° 25° 30°		
	LL01NI-ANExxL02	19.4x14.94	10° 20° 30°		
	LL01CR-BNExxL06	19.4x14.6	25° 40° 35x70°		
	LL01CR-NExxL06	19.4x15	25° 40° 60° 25x45°		
	LL01CR-SQxxL06	19.4x12.9	40° 60°		
	LL01CR-YJxxL02	19.4x12.7	40° 60°		
	LL01ED-CVxxL02	19.6x12.3	15°		
	LL01OS-BFVxxL06	20.8x12.35	15° 25° 30° 10x40°		
	LL01CR-BExxxL06	20.9x9.2	60°		
	LL01ZZ-EXxxL06	21x9.3	10° 25° 40° 30x65°		
	LL01ZZ-AFLxxL02	22.2x10.4	35° 50°		
	LL01ZZ-FLxxL06	22.2x10.6	10° 25° 40° 60° 30x65°		
LL01CR-XSxxL06	22.2x10.6	40°			
3 in 1	LL03LU-DMxxL06	23.1x11	15° 25°		
	LL03ED-CTxxL06	31x11.2	38°		
	LL03ED-GKxxL06	33.2x10.2	25° 40°		
	LL03OS-GKxxL06	33.2x9.8	40° 60° 80°		
	LL03CR-RXxxL06	35x10.5	40° 60°		
	LL03LU-DOxxL06	35x10.6	15° 25°		
4 in 1	LL04CR-GPxxL06	22.2x6.7	25° 38° 45°		
	LL04LU-GPxxL06	22.2x6.8	15° 25° 45°		
	LL04LU-DNxxL06	25.4x10.5	15° 25°		
	LL04ED-GKxxL06	37x10.3	25° 40°		
7 in 1	LL04OS-GKxxL06	37x9.8	40° 60° 80°		
	LL07ED-GKxxL06	47x10.5	25° 40°		
9 in 1	LL07OS-GKxxL06	47x9.8	40° 60° 80°		
	LL09ED-GKxxL06	67x10.8	25° 40°		
12 in 1	LL09OS-GKxxL06	67x9.8	40° 60° 80°		
	LL12ED-GKxxL06	67x10.8	25° 40°		
	LL12OS-GKxxL06	67x9.8	40° 60° 80°		

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





ZC4
ZC6



ZC12
ZC18



ZC25
ZC40



■ ZC4 / ZC6

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-PVxxL02	45x23.7	45° 60° 80°		
	LL01CR-ABHxxL02	50x10.4		40° 60°	
	LL01CR-BGSxxL06	34x15.7		24°	
	LL01CR-BJLxxL02	35x12.55		40°	
	LL01WT-BSSxxL46	44x12.2		24° 32°	
	LL01SP-AVAxxL06	42x9.65		40°	
Reflector	LL01CT-AMXxxR49	44x11.8		45°	
	LL01ED-AKYxxR49	50x30		24° 38° 45°	
	LL01ED-ALlxxR49	50x19		24° 38° 55°	
	LL01ZZ-AAAxL49	70x35		24° 38° 55°	

■ ZC12 / ZC18

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

■ ZC25 / ZC40

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

MJT2525

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

MJT3030

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



MJT2525



MJT3030





MJT4040



MJT5050



MJT4040

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

MJT5050

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

A4

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-ALxxL06	19.65x11.4	15°		
	LL01CR-BRxxL06	19.65x12.5	30° 40° 10x45° 15x50° 15x80° 40x90°		
	LL01ED-ALxxL06	19.7x9.9	30x65°		
	LL01CR-BSxxL06	19.8x12.5	10°		
	LL01ZZ-EXxxL06	21x8.75	25°		
	LL01ZZ-FLxxL06	22.2x10.6	25° 60°		
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01ED-AQxxL06	22.5x10.5	40° 60°		
	LL01ED-ANxxL06	22.7x9.6	15x50°		
	LL01ED-AFDxxL06	26x15.3		20°	
	LL01ED-CYxxL06	26.8x20.6	30° 45°		
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-WlxxL02	28.8x17.4	25° 40°		
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AKxxL06	34.4x18.8	25° 40°		
	LL01CR-ZExxL02	35x20.4	20° 30° 45°		
	LL01ED-BBxxL06	35.8x15.9	25°		
	LL01OS-BWxxL06	37.2x15.35	10° 30°		
	LL01OS-BYxxL06	37.2x15.35	10° 30°		
	LL01ED-AYxxL06	43.8x24.5	38°	10°	
	LL01ED-ABYxxL02	44x14.1	24°		
	LL01ED-ZBxxL06	19.6x10.4	15°		
	LL01ED-FMxxL06	19.9x10.55	38°		
	LL01LU-LHxxL06	21x9.15	15°		
	LL01OS-CBxxL06	25.6x10	15°		
	LL01CR-ADTxxL06	35x10.65	30°		
	LL01ZZ-AHAxxL06	50x25.4			5°

Z5

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01CR-BMxxL06	19.4x13.5	40°			
	LL01XP-DGxxL06-M2	32.8x18	30° 40°		V	
	LL01ED-AJxxL06	28.8x19.8	25° 40° 60°			
	LL01ED-AKxxL06	34.6x18.7	25° 40°			
	LL01ED-ASxxR06	19.9x10.6	38°			
	LL01ED-ASxxL06	19.9x10.6	60°			
	LL01ED-BBxxL06	35.7x15.9	60°			
	LL01ED-CTxxL06	31x11.2	38°			
	LL01ED-FMxxL06	19.9x10.6	38°			
	LL01NI-GRxxL06	19.4x13.5	40° 60°			
	LL01OS-AXxxL02	19.7x11.5	40°			
	LL01OS-BWxxL06	37.2x15.4	30°			
	LL01OS-BYxxL06	37.2x15.4	30°			
	LL01OS-CBxxL06	25.6x10	15°			
	LL01ZZ-EXxxL06-M2	22.4x9.7	25° 40° 60°		V	
	LL01XP-FLxxL06-M2	24.3x11.5	25° 40° 60°		V	
	3 in 1	LL03ED-GKxxL06	33.2x10.3	40°		
		LL03LU-DMxxL06	23.1x10.9		25° 40°	
	4 in 1	LL03LU-DOxxL06	35x10.5		25°	
		LL04ED-GKxxL06	37x10.3	40°		
		LL04LU-DNxxL06	25.4x10.4		25°	
	6 in 1	LL04LU-DOxxL06	35x10.4		25°	
		LL06CR-AXNxL06-M2	76 x 13		25°	V
		LL06ED-ADxxL06	73.3x13.9	60°		
		LL06CR-AXMxxL06-M2	76 x 13		15° 25°	V
7 in 1	LL06CR-AXLxxL06-M2	76 x 13		25°	V	
	LL07ED-GKxxL06	47x10.7	40°			
	LL07ZZ-FUxxL06	50.3x10.8		25°		
9 in 1	LL007ZZ-FVxxL06	39.1x10.6		25°		
	LL09ED-ACxxL06	95x12.8	25°			
	LL09ED-ATxxL06	90.6x16.5	40°			
12 in 1	LL09ED-GKxxL06	67x9.8	40°			
	LL12ED-AGxxL06	122x13.5	45°			
15 in 1	LL12ED-GKxxL06	67.8x10.8	40°			
	LL15ED-BHxxL06	95x11.1	40°			
24 in 1	LL24ED-ABxxL06	174.5x12.5	45°			
36 in 1	LL36ED-AAxxL06	140x12.7	45°			



A4



Z5





Z5P



Z5M1



Z5P

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

Z5M1/M2

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01HS-AAFxxL02-M2	13.5x7.35		25°	V
	LL01HS-AAFxxL02-M2	13.5x7.35		45° 60°	V
	LL01HS-DFxxL02-M2	13.5x7.35	80° 100°		V
	LL01CR-AFCxxL06-M2	21.3x12.35		10x35° 15x30°	V
	LL01CR-AFCxxL06-M2	21.3x12.35		10° 15° 25° 30°	V
	LL01NI-ANExxL02-M2	23.5x15.8		10° 20° 30°	V
	LL01CR-BNExxL06	19.4x14.6		40° 35x70°	
	LL01NI-NExxL06-M2	21.4x15.8	17° 25° 40° 60° 80°		V
	LL01OS-BFVxxL06	20.8x12.35		15° 25° 30°	
	LL01CR-BEXxxL06	20.9x9.2		60°	
	LL01CR-EXxxL06-M2	23x10.63	25° 40° 60° 30x65°		V
	LL01XP-FLxxL06-M2	24.3x11.6	25° 40° 60° 30x65°		V
	LL01NI-BYKxxL19	16x8		30° 40° 60° 25x45°	
	3 in 1	LL03OS-GKxxL06	33.2x9.8	40° 60° 80°	
LL03CR-RXxxL06		35x10.5	60°		
LL03ED-UYxxL06		33.2x10.3	40°		
4 in 1	LL04LU-DNxxL06	25.4x10.5	25°		
	LL04CR-RXxxL06	35x10.5	60°		
	LL04OS-GKxxL06	37x9.8	40° 60° 80°		
	LL04ED-UYxxL06	37x10.3	40°		
6 in 1	LL04CR-CECxxL06	50x8.5		25°	
	LL06CR-RXxxL06	50x10.5	60°		
7 in 1	LL07OS-GKxxL06	47x9.8	40° 60° 80°		
	LL07CR-RXxxL06	50x10.3	60°		
	LL07ZZ-FVxxL06	39.2x10.8	25° 30° 60°		
	LL07ED-UYxxL06	47x10.3	40°		
9 in 1	LL07ZZ-FUxxL06	50.35x10.7	25°		
	LL09OS-GKxxL06	67x9.8	40° 60° 80°		
	LL09CR-RXxxL06	70x10.3	60°		
12 in 1	LL09ED-UYxxL06	67x10.3	40°		
	LL12ED-UYxxL06	67x10.3	40°		
Street Lighting	LL12OS-GKxxL06	67x9.8	40° 60° 80°		
	LL12CR-RXxxL06	70x10.3	60°		
Street Lighting	LL04CR-BXJ60L02	50x50x7.05		60° (Symmetry)	
	LL04CR-BXJ90L02	50x50x7.05		90° (Symmetry)	
	LL04CR-BXJ45155L02	50x50x6.95		45 x 155° (Asymmetry)	
	LL04CR-CFN60155L02	50x50x7.3		60 x 155° (Asymmetry)	

■ Petite Zenigata

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-ACZxxL02	27.8x10.2		24° 38°	
	LL01ED-ABYxxL02	44x14.1		24°	
	LL01CR-AQHxxL02	44x14.1		38° 45°	
	LL01CR-BEXxxL06	20.9x9.2		25°	
	LL01CR-DGxxL06	28.8x16.75	20° 30° 40° 50° 60°		
	LL01CR-WLxxL02	28.8x17.4		25° 40°	
	LL01CR-XSxxL06	22.2x10.6	40°		
	LL01ED-ACZxxL02	35x10.7		24° 38°	
	LL01ED-AFDxxL06	26x15.5		15° 20°	
	LL01ED-AJxxL06	28.9x19.7	25° 40° 60°		
	LL01ED-AQxxL06	22.5x10.5	40° 60°		
	LL01ED-ASxxL06	19.9x10.55	38°		
	LL01ED-ASxxR06	19.9x10.55	38°		
	LL01ED-ASxxL06	19.9x10.15	60°		
	LL01ED-CVxxL06	19.6x12.3	15° 25° 45°		
	LL01ED-CYxxL06	26.8x20.6	30° 45° 30x65°		
	LL01OS-AXxxL02	20x11.5	20° 40° 60°		
	LL01ZZ-AFLxxL02	22.2x10.4		35° 50°	
	LL01ZZ-EXxxL06	21x9.15	40° 30x65°		
	LL01ZZ-FLxxL06	22.2x10.6	25° 40° 60°		
LL01SP-AVAxxL06	42x9.65		40°		
Reflector	LL01CT-AMXxxR49	44x11.8		45°	
	LL01ED-AJMxxR49	35.2x7.8		38°	

■ Mini Zenigata

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder	
Single	LL01CR-ABHxxL02	50x10.4		40° 60°		
	LL01CR-BAYxxL06	75.8x22.5		24° 38°		
	LL01CR-PVxxL02	45x23.7	45° 60° 80°			
	LL01CR-ZExxL02	35x20.4		20° 30° 45°		
	LL01CT-AMYxxL06	75.8x23		24°		
	LL01CT-AOFxxL06	74.4x13		24° 38°		
	LL01CT-APGxxL06	84.6x18		24° 38°		
	LL01ED-ABXxxL06	75.8x24.35		24° 38°		
	LL01ED-ASAxxL06-P	90.6x22		24° 38°		
	LL01SP-AVAxxL06	42x9.65		40°		
	LL01CR-BJLxxL02	35x12.55		40°		
	Reflector	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
		LL01CIOTxxR2-P	50x30		20° 33° 45°	
		LL01CT-AJZxxR49	50x19		38° 55°	
		LL01CT-ALNxxR49	75.8x20.1		38° 45°	
LL01CT-ALOxxR49		90.5x23.2		24° 38° 45°		
LL01CT-AMXxxR49		44x11.8		45°		
LL01ED-AJMxxR49		35.2x7.8		24° 38°		
LL01ED-AKAxxR49		85x23.5		60°		
LL01ED-AKVxxR49		50.5x29.5		36°		
LL01ED-AKYxxR49		50x30		24° 38° 45°		
LL01ED-ALlxxR49		50x19		24° 38° 55°		
LL01ZZ-AAAxxL49		70x35		24° 38° 55°		



■ **Mega Zenigata**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01CR-BAYxxL06	75.8x22.5		24° 38°	
	LL01CT-AMYxxL06	75.8x23		24°	
	LL01CT-AOFxxL06	74.4x13		24° 38°	
	LL01CT-APGxxL06	84.6x18		24° 38°	
	LL01ED-ABXxxL06	75.8x24.35		24° 38°	
	LL01ED-ASAxL06-P	90.6x22		24° 38°	
	LL01SP-AVAxxL06	42x9.65		40°	
Reflector	LL01CT-AZNxxL02-P	88.5x15		15° 24° 38°	
	LL01BR-TYRxxR34-P	45x19.4		24° 34° 50°	
	LL01CIOTxxR2-P	50x30		20° 33° 45°	
	LL01CT-ALOXxxR49	90.5x23.2		24° 38° 45°	
	LL01ED-AKAxxR49	85x23.5		60°	
	LL01ED-AKXxxR49	116x32		24° 38°	
	LL01ED-ALAxR49	75x20.1		24° 38°	
	LL01ED-ALJxxR49	91.5x23.2		24° 38° 45°	
	LL01SP-ASOxxR49	90x50		15° 24° 38° 55°	V
	LL01SP-ATHxxR49	75x40		15° 24° 38°	V
LL01ZZ-AAAxL49	70x35		38° 55°		

■ **XTM 9mm LES**

Type	Part Number	DxH(mm)	Full Angle	FWHM	Holder
Single	LL01ED-AY10L06	43.8x24.5	38°	10°	
	LL01CR-CENxxL02	70x17.5		12°	
	LL01CR-CEWxxL02	70x15		12° 24° 38°	
	LL01CR-CEOxxL02	90x19.5		12°	
	LL01CT-AZNxx02	88.5x15		15° 24° 38°	
	LL01CT-AZWxxL02-P	76.1x12.7		12° 15° 24°	
Reflector	LL01CR-AYGxxR49	75x45		15° 24°	
	LL01CT-AYTxxR35-P	75x45		15° 24° 38°	
	LL01SP-ATHxxR49	75x40		38°	

■ **XTM 19mm LES**

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

SHARP

Mega Zenigata



XICATO

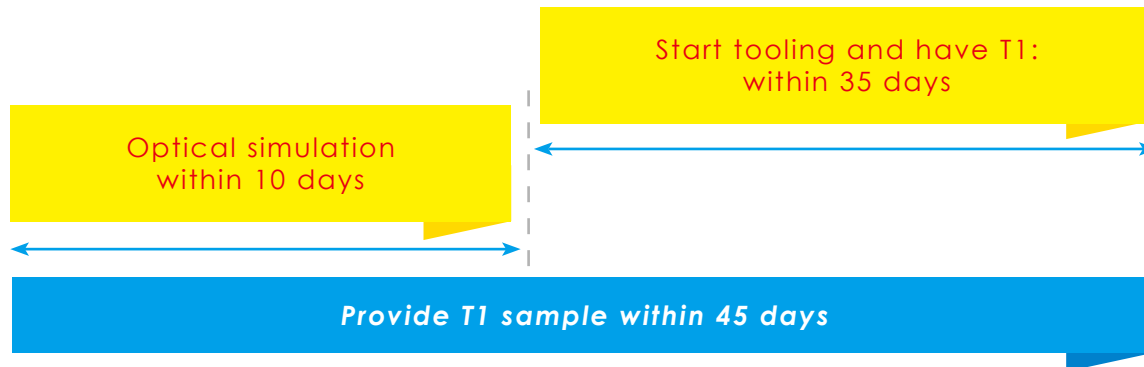
XTM 9mmLES



XTM 19mmLES



- ▶ **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:**





Elliptical Beam
Lens



Single
Street Lens



Silicone
Street Lens



Area Lighting



COB Lens



Hybrid Lens



Fresnel Lens



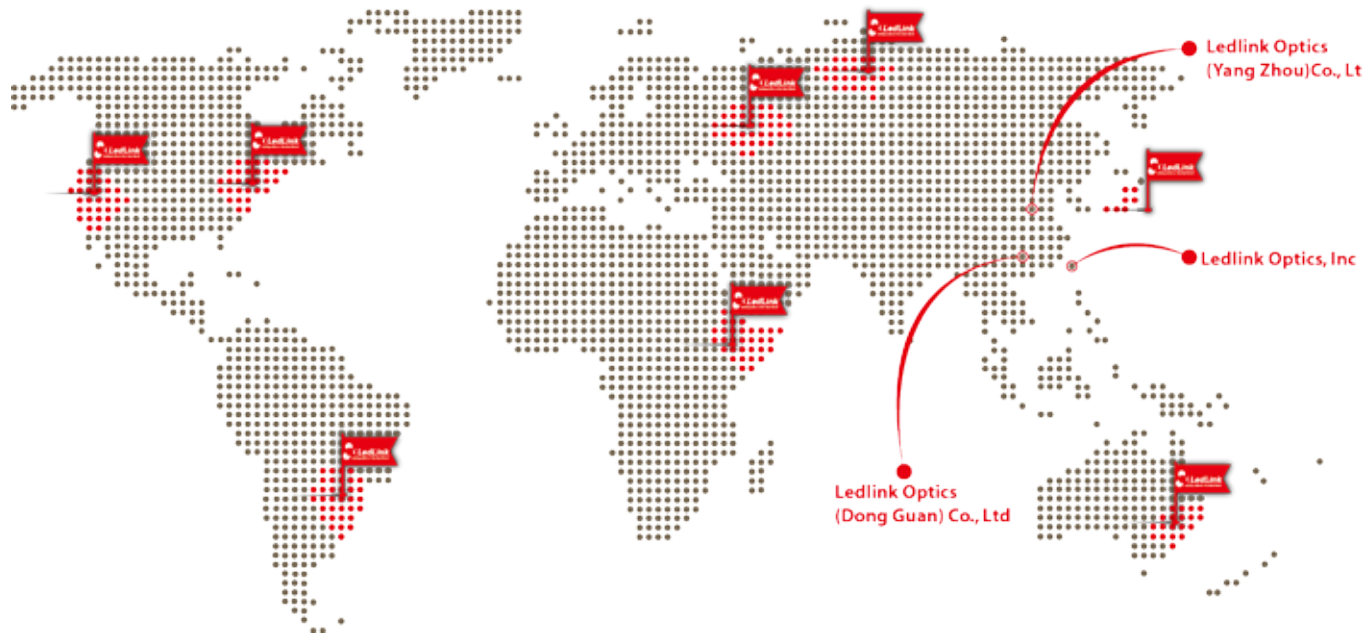
Plastic Plating Reflector
Aluminum Reflector



Ultra-Thin Hybrid
Lens



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