



Landscape Lighting

Ver 18.04

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Elliptical beam lens



Color mixing lens

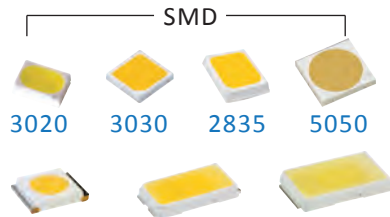


Waterproof lens

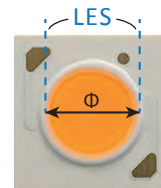


Narrow beam lens

LED Package size



COB LED



LES: Light Emitting Surface



Elliptical beam lens

Tape available ✓ New product

Part number	Angle	Dimensions (mm)	LED
LL01CR-BDFxxL06-M2 T	Full angle 30°x65° 30°x70°	13.5x7.35	2525
LL01OS-BDFxxL06-M2 T	Full angle 30°x65° 30°x70°	13.5x7.35	3030
LL01LU-DFxxL06-M2 T	Full angle 30°x65°	13.5x7.35	3045
LL01CR-DFxxL06-M2 T	Full angle 30°x65°	13.5x7.35	3535
✓ LL01ZZ-DCJxxL06	FWHM 30°x50°	15x8.5	5050(SMD)
✓ LL01ZZ-DBIxxL06-M2	FWHM 30°x60°	15.3x9.1	5050(SMD)
✓ LL01ZZ-DBTxxL06	FWHM 30°x60° 30°x50°	16x8.5	2835(SMD)/ 3030(SMD)
LL01CR-HQxxL06-M2	Full angle 25°x45°	16x10.3	3535
LL01CR-SNxxL06-M2 T	Full angle 25°x45°	16.2x10.3	3535
LL01NI-BYK2545L19 T	FWHM 25°x45°	16x16x8	2525/3535/3030(SMD)
LL01CR-CAXxxL06	FWHM 10°x90° 25°x90°	20.5x20.5x13.9	2525/3535/3030(SMD)
LL01OS-BFV1040L06	FWHM 10°x40°	20.8 x 12.35	3045/3535/3030(SMD)
LL01LU-AFCxxL06-M2 T	FWHM 10°x35° 10°x60° 15°x30°	21.3x12.35	3045
LL01OS-AFCxxL06-M2 T	FWHM 10°x35° 10°x60° 15°x30°	21.3x12.35	3030
LL01CR-AFCxxL06-M2 T	FWHM 10°x35° 10°x60° 15°x30°	21.3x12.35	3535
LL01ED-BLxxL06-M2	Full angle 30°x65°	21.3x14	1LA5

Tape available ✓ New product

Part number	Angle	Dimensions (mm)	LED
LL01NI-NExxL06-M2 T	Full angle 10°x45° 25°x45°	21.4x15.8	3535
LL01CR-OSxxL06-M2 T	Full angle 30°x65° 30x85°	22.4x9.13	2525
LL01ZZ-EXxxL06-U2 T	Full angle 30°x65° 30°x85°	22.4x9.63	3535
LL01LU-EXxxL06-M2 T	Full angle 30°x65° 30°x85°	22.4x9.63	3045
LL01OS-EXxxL06-M2 T	Full angle 30°x65° 30°x85°	22.4x9.63	3030
✓ LL01ZZ-DBOxxL06	FWHM 15°x30° 10°x45° 10°x60°	22.5x12.4	3030(SMD)
✓ LL01ZZ-DCCxxL06	FWHM 10°x30° 10°x45° 10°x60°	22.5x12.4	3535
LL01CR-CRI1055L02-M2	FWHM:10°x55°	22x22x13.15	3030/3535
LL01CR-EXxxL06-M2 T	Full angle 30°x65° 30°x85°	23x10.63	3535
LL01CR-NExxL06-M2 T	FWHM 10°x45° 25°x45°	23.5 x 15.8	3535
LL01CR-CNExxL06-M2 T	Full angle 10°x45° 25°x45°	23.5 x 15.8	3535
✓ LL01CR-CAX3585L02	FWHM 35°x85°	24x19x10.5	3535/3030(SMD)
LL01CR-CSS1226L06	FWHM 12°x26°	24x24x13.6	3535
LL01LU-FLxxL06-M2 T	Full angle 30°x65°	24.3x11.6	3045
LL01CR-FLxxL06-M2	Full angle 30°x65°	24.3x12.15	7090
LL01XP-FLxxL06-M2 T	Full angle 30°x65°	24.3x11.6	3535
✓ LL01CR-DBJ2090L19	FWHM 20°x85°	26x20x12.6	3030(SMD)/3535 5050(SMD)
✓ LL01CR-BLUxxL06-M2 T	FWHM 5°x20°	38.2x22.2	3535
LL01LU-ABW1050L02-M1	FWHM 10°x50°	39.35x34.4x35.35	All single chip LED.
✓ LL01ZZ-DBGxxL06-M2	FWHM 15°x55°	37.5x20	2525/3030(SMD) 3535/5050(SMD)



Color mixing lens

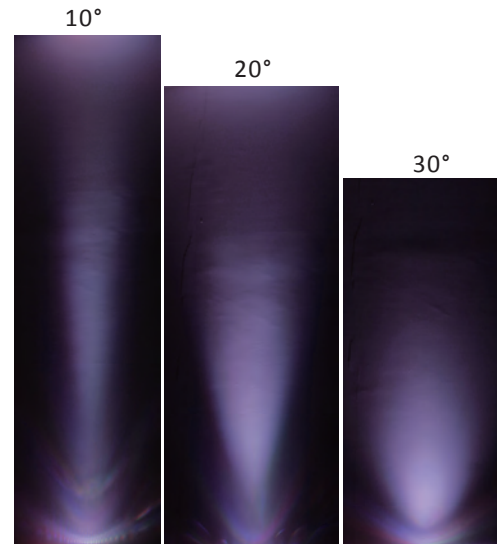
Lens

Part number	Angle	DxH (mm)	LED
LL01ED-AFDxxL06	FWHM 15° 20°	26x15.5	3535/5050(SMD)
LL01ED-AKxxL06	Full angle 25° 40°	34.4x18.8	3030(SMD)/7070/5050(SMD)/ LES:Φ6
LL01CR-ANWxxL06	FWHM 10° 20° 30°	45x26.3	7090/Ostar RGBW
LL01CR-BJH10L06	FWHM 10°	45x26.3	5050

With holder

Part number	Angle	DxH (mm)	LED
LL01CR-WYxxL02-U2	FWHM 25° 40° 80° 100°	19.4x12.6	5050(SMD)
LL01ED-CVxxL06-M2	FWHM 15°	21.2x15.1	3535
LL01ED-CVxxL02-M2	FWHM 25° 45°	21.2x15.1	3535
LL01ED-BCQxxL06-Mx	FWHM 15° 30° 40° 15°x30° 30°x50°	38.1x20.2	5050
LL01CR-BCQxxL06-Mx	FWHM 15° 30° 40° 15°x30° 30°x50°	38.1x20.9	5050/7090

Wall wash effect:



Waterproof lens



LL01NI-BYKxxL19-T

FWHM 20° 30° 40° 60° 25x45°
LxWxH(mm) 16x16x8
LED 2525/3535/3030(SMD)



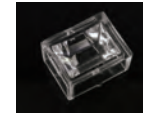
LL01CR-CAXxxL06

FWHM 10x90° 25x90°
LxWxH(mm) 20.5x20.5x13.9
LED 3030(SMD)/3535



LL01OS-BFVxxL06

FWHM 10° 10x40° 15° 25° 30°
DxH(mm) 20.8 x 12.35
LED 2525/3045/3535/3030



LL01CR-CAX3585L02

FWHM 35x85°
LxWxH(mm) 24x19x10.5
LED 3535



LL01CR-AXSxxL06-T

FWHM 10° 30° 60° 30x65°
DxH(mm) 38 x 18.15
LED 5050(SMD)

▼ New product



LL01ZZ-DCJxxL06

FWHM 30° 40° 60° 30°x50°
DxH(mm) 15 x 8.5
LED 5050(SMD)



LL01ZZ-DBWxxL06

FWHM 24° 30° 40° 60° 25°x45° 30°x60°
DxH(mm) 15.5 x 7.15
LED 3030(SMD)



LL01ZZ-DBTxxL06

FWHM 24° 36° 60° 30°x60° 30°x50°
DxH(mm) 16 x 8.5
LED 2835/3030(SMD)



LL01ZZ-DBOxxL06

FWHM 15° 24° 30° 40° 60° 15°x30° 15°x45° 15°x60°
DxH(mm) 22.5 x 12.4
LED 3030(SMD)



LL01ZZ-DCCxxL06

FWHM 10° 15° 24° 36° 60° 10°x30° 15°x45° 15°x60°
DxH(mm) 22.5 x 12.4
LED 3535



Narrow beam lens T Tape available



LL01CR-BLUxxL06 T
 FWHM 3° 5° 5°x20°
 DxH(mm) 35 x 20
 LED 2525/3535/5050(SMD)/9090/LES:Φ6



LL01CR-BLUxxL06-M2 T
 FWHM 3° 5° 5°x20°
 DxH(mm) 38.2x22.2
 LED 2525/3535/5050



LL01CR-CTKxxL02-P
 FWHM 10° 15°
 DxH(mm) 49.5x7.8
 LED 3535/LES:Φ6.7



LL01ED-FGxxL06-M2
 FWHM 10°
 DxH(mm) 43.8x24.5
 LED 5050(SMD)/7070(SMD)/9090

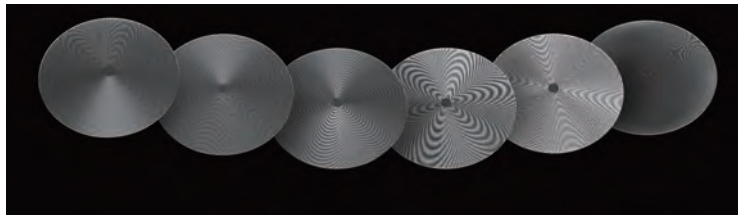


LL01ZZ-AHAxxL06-M2 T
 FWHM 5° 10°
 DxH(mm) 52 x 27
 LED 3535/5050(SMD)



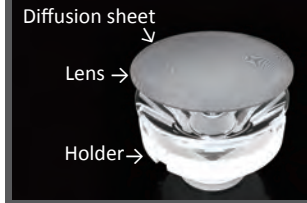
LL01ZZ-DBG10L06-M2
 FWHM 10°
 DxH(mm) 37.5 x 20
 LED 2525/3030/3535/5050

Diffusion sheet



LL01ZZ-DCKxxL52
 FWHM 15° 20° 30° 40° 60°
 15°x60° 30°x60°
 DxH(mm) 48.4x0.8
 LED 3535/5050(SMD)
 Lens available: LL01ZZ-AHA05L06-M2

Assembly instruction:



Windowsill lens



LL01CR-CZPxxL52
 FWHM 03°x115° 05°x100°
 LxWxH(mm) 55x40x28
 LED 3030/3535



LL01CR-DEZ10115L06
 FWHM 10°x115°
 LxWxH(mm) 25x20x13.75
 LED 3535/5050





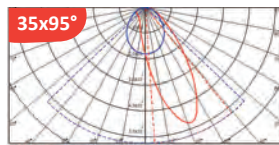
Linear lens

LL24NI-CRO3595L06

Asymmetric

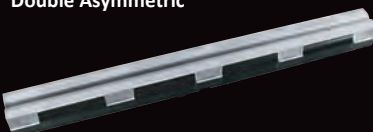


LxWxH(mm) 280x26.6x11.8
FWHM 35°x95°
LED 2835/3030/5630

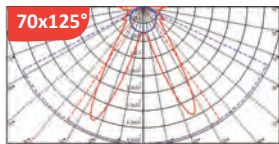


LL24NI-CRO70125L06

Double Asymmetric



LxWxH(mm) 280x26.6x10.5
FWHM 70°x125°
LED 2835/3030/5630

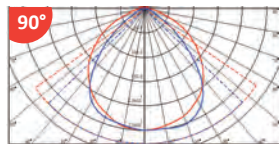
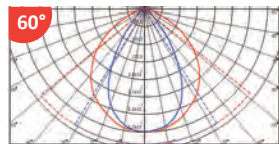


LL24NI-CROxxL06

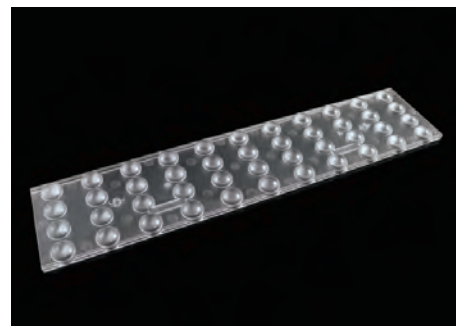
Symmetric



LxWxH(mm) 280x26.63x9.43
FWHM 60° 90°
LED 2835/3030/5630

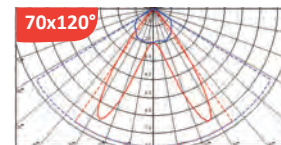
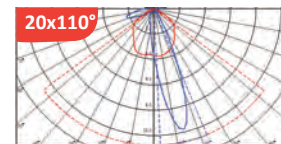
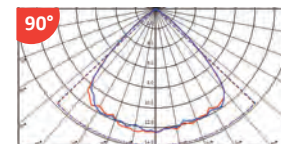
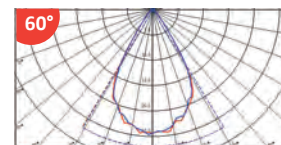
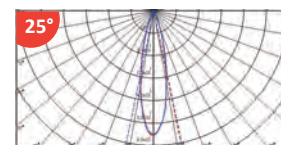


Linear lens



LxW(mm) 280x62

Part number	Beam angle (FWHM)	H (mm)	LED Package size
LL44ZZ-DCPxxL52	25 °	9.35	2835 3030 3535
	60°	10	
	90 °	7.5	
	20°x110° (Asymmetric)	9.07	
	70°x120° (Double Asymmetric)	8.63	



Single lens series

Tape available

DF / BDF / AAF Series

Part number	Angle	DxH(mm)	LED
LL01CR-DFxxL06-M2 T	Full angle 25° 40° 60° 80° 100° 30°x65°	13.5x7.35	3535
LL01HS-DFxxL06-M2 T	Full angle 25° 40° 60° 80° 100° 30°x65°	13.5x7.35	3535
LL01CR-BDFxxL06-M2 T	Full angle 25° 40° 60° 80° 100° 30°x65° 30°x70°	13.5x7.35	2525
LL01OS-BDFxxL06-M2 T	Full angle 25° 40° 60° 80° 100° 30°x65° 30°x70°	13.5x7.35	3030
LL01CR-AAFxxL02-M2 T	FWHM 25° 45° 60°	13.5x7.35	3535
LL01HS-AAFxxL02-M2 T	FWHM 25° 45° 60°	13.5x7.35	3535
LL01NI-AAFxxL02-M2 T	FWHM 25° 45° 60°	13.5x8.05	5050(SMD)

AFC Series

Part number	Angle	DxH(mm)	LED
LL01OS-AFCxxL06-M2 T	FWHM 10° 15° 25° 30° 50° 60° 80° 10°x35° 10°x45° 10°x60° 15°x30°	21.3x12.35	3030
LL01CR-AFCxxL06-M2 T	FWHM 10° 15° 25° 30° 50° 60° 80° 10°x35° 10°x45° 10°x60° 15°x30°	21.3x12.35	3535

Tape available

EX / BEX Series

Part number	Angle	DxH(mm)	LED
LL01CR-OSxxL06-M2 T	Full angle 25° 40° 60° 30x65° 30°x85°	22.4x9.13	2525
LL01CR-BEXxxL06-M2 T	Full angle 25° 40° 60°	22.4x9.13	2525
LL01ZZ-EXxxL06-U2 T	Full angle 10° 25° 40° 60° 110° 30x65° 30°x85°	22.4x9.63	3535
LL01OS-EXxxL06-M2 T	Full angle 10° 25° 40° 60° 110° 30x65° 30°x85°	22.4x9.63	3030
LL01CR-KCxxL06-M2	Full angle 10° 25° 40° 60° 110° 30x65° 30°x85°	23x9.63	3535
LL01CR-EXxxL06-M2 T	Full angle 10° 25° 40° 60° 110° 30x65° 30°x85°	23x10.63	3535

DG /ADG Series

Part number	Angle	DxH(mm)	LED
LL01LU-DGxxL06-M2	Full angle 20° 30° 40° 50° 60° 100° 30°x85°	32.8x17.3	7070
LL01CR-ADGxxL06-M2 T	FWHM 12° 24° 36°	32.8x18	5050(SMD)
LL01XP-DGxxL06-M2	Full angle 20° 30° 40° 50° 60° 100° 30°x85°	32.8x18	3535

NE / ANE / BNE Series T Tape available

Part number	Angle	DxH(mm)	LED
LL01CR-KDxxL06-M2	Full angle 15° 17° 25° 40° 60° 80° 10°x45° 25°x45°	19.5x17.1	3535
LL01NI-NExxL06-M2 T	Full angle 15° 17° 25° 40° 60° 80° 10°x45° 25°x45°	21.4x15.8	3535
LL01NI-BNExxL06-M2 T	Full angle 25° 40° 60°	21.4x15.8	3535
LL01NI-UDxxL02-M2 T	FWHM 10° 20° 30°	21.4x15.8	3535
LL01CR-CNExxL06-M2 T	Full angle 15° 17° 25° 40° 60° 80° 10°x45° 25°x45°	23.5x15.8	3535
LL01NI-ANExxL02-M2 T	FWHM 10° 20° 30°	23.5x15.8	3535
LL01CR-BNExxL06-M2	Full angle 25° 40° 60°	23.5x15.8	2525
LL01CR-NExxL06-M2 T	Full angle 15° 17° 25° 40° 60° 80° 10°x45° 25°x45°	23.5x15.8	3535

FL / AFL Series

Part number	Angle	DxH(mm)	LED
LL01LU-AFLxxL02-M2 T	FWHM 35° 50° 70°	23.6x12.5	7070(SMD)
LL01XP-FLxxL06-M2 T	Full angle 10° 25° 40° 60° 30°x65°	24.3x11.6	3535
LL01ZZ-AFLxxL02-M2	FWHM 35° 50° 70°	24.3x12.3	7090
LL01CR-FLxxL06-M2	Full angle 10° 25° 40° 60° 30°x65°	24.3x12.15	7090

Other Series T Tape available ✓ New product

Part number	Angle	DxH(mm)	LED
✓ LL01ZZ-DBIxxL06-M2	FWHM 30° 45° 60° 30°x60°	15.3x9.1	5050(SMD)
LL01NI-BYKxxL19	FWHM 20° 30° 40° 60° 25°x45°	16x16x8	2525/3535/3030(SMD)
LL01CR-HQxxL06-M2	Full angle 15° 25° 30° 40° 60° 80° 16°x50° 25°x45°	16x10.3	3535
LL01CR-SNxxL06-M2 T	Full angle 15° 25° 30° 40° 60° 80° 25°x45°	16.2x10.3	3535
LL01CR-OTxxL06-M2	Full angle 32° 40° 60° 80°	16.6x10.45	3535
LL01CR-SQxxL06-M2 T	Full angle 40° 60° 80°	21x13.9	5050
LL01CR-YJxxL02-M2 T	Full angle 40° 60° 80° 100°	21x13.9	5050(SMD)
LL01OS-MQxxL06-M2	Full angle 15° 25° 40° 60°	21.05x14.75	3030
LL01ED-ALxxL06-M2	FWHM 15° / Full angle 30°x65°	21.3x14	1LA5
LL01CR-CRI1055L02-M2	FWHM:10°x55°	22x22x13.15	3030/3535
✓ LL01ZZ-DDOxxL06-M2	FWHM 15° 24° 30° 40° 60° 15°x30°	22.5x12.4	3030
LL01ED-ACM2020L02	FWHM 20°x20°	26x16.42	3535/5050
LL01CR-ACZxxL02	FWHM 24° 38°	27.8x10.2	3030(SMD)/3535 5050(SMD)
LL01ED-ACZxxL02	FWHM 24° 38°	35x10.7	3030(SMD)/3535 5050(SMD)
LL01CR-ZExxL02-M2 T	FWHM 20° 30° 45°	37.1x20.7	7070/9090
✓ LL01ZZ-DBGxxL06-M2	FWHM 10° 15° 24° 36° 60° 15°x50°	37.5x20	2525/3030(SMD) 3535/5050