

AnyCasting's True Color Lens series has been applied to various products designed for LED lighting in a wide range of industrial environments. The True Color Lens series is the product of optical design optimized for different user environments and ultra-precision molding, and new product will be added to the series continuously.

AnyCasting's specialized lens design techniques are based on the latest plastic molding technology and offer high quality with micro and nano-patterned optical lenses.

AnyCasting's LED Optic Solution Development is engaged in ongoing R&D on ultra-precision pattern-applied optical uniform color temperature. AnyCasting is a proud supplier of high quality LED lighting lenses for different applications to meet the diverse needs of our clients. AnyCasting's LED Optic Solution Department provides optical solutions suitable for the diverse application required by clients to help them to achieve their objectives quickly and efficiently.

Through innovative R&D, AnyCasting supplies its clients with the highly technical plastic goods used in optical, bio, and TV BLU products. AnyCasting's advanced plastic molding technology has allowed it to take plastic Molding quality to a new level.

2017 AnyCasting LED Optics

TIR / Street / Array / Asymmetry Lens



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ANYCASTING

AnyCasting Co., Ltd.

AnyCasting's True-Color Lens series has been applied to various products designed for LED lighting in a wide range. The True-Color Lens series is the product of optical design optimized for different user environments and ultra-precision molding, and new products will be continuously added to the series.

General Lens



High Power TIR Lens

AnyCasting's TIR LED lenses are compact and provide superior optical quality. Color temperature differences have been minimized and optical efficiency has been increased for diverse applications.



Street Lights Lens

Street lights lenses offer diverse solutions to customers with optical designs that are suitable for a variety of outdoor environments and installation conditions.



Security Lights Lens

The security lights lenses provide environment suitable for safe walking on various road conditions based on high illuminance.



Array Lens

The 10 points and 12 points standard array lenses are designed on the basis of Korea Expressway Corporation's (government) street light and tunnels, and we offer vary array lenses that meet IESNA.



Tunnel Lens

The 10 points standard array lens is designed on the basis of Korea Expressway Corporation's (government) tunnels and we provide optimal and right lens solution.

Specialty Lens



Automobile Lights Lens

The aspheric plastic projection lenses used in LED headlights have addressed the issues of glass lenses.



Indoor Lights Lens

Patterned nanostructures with a DMTC (Digital Molding Temperature Control system) are applied to the indoor lights lens surface.



Marine Lights Lens

We supply light concentrating plastic lenses suitable for marine environments.



Construction Lights Lens

With a patterned nanostructured lens, it is able to create a pleasant and beautiful space and visual effect using light.



Concentrating Photovoltaic Lens (CPV)

Patterned nanostructures with DMTC are applied to the surface of the Fresnel lens to provide a high quality lens.

Advanced Plastic-Molding Technology



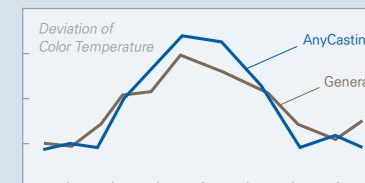
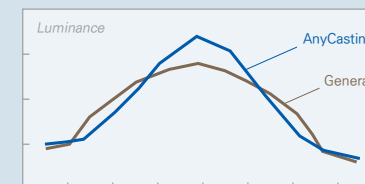
General

Without nano-pattern
Yellow Ring
Luminance : 164 lx
Beam Angle : 60 °

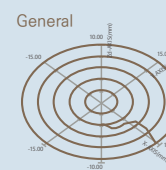


AnyCasting

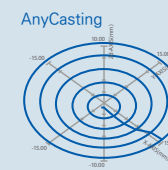
With nano-pattern
No Yellow Ring
Luminance Increase by 4.5 %
Beam Angle : 60 °



Comparison of General Molding with DMTC Molding



General molding 54 μm



DMTC molding 15.74 μm

Comparison of SEM Picture




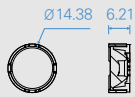
General Injection :
Nano-Pattern cannot be formed




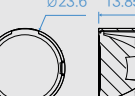
AnyCasting DMTC Injection :
1 μm Pattern can be transmitted


Introduction of TIR Lens

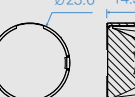
3030 PKG			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 14.38 × 6.21	20 ~ 60°	PMMA / PC	88 ~ 92	3030 Flat Type PKG

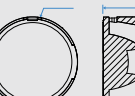
3535 PKG			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			□ 33.0 × 19.3	7°	PMMA / PC	88 ~ 92	CREE : Xlamp Series (XTE-HE, XPG3) LG INNOTEK : H35C1(G2) LUMILEDS : Rebel + Luxeon Series NICHIA : 119B, 757D OSRAM : OSOLON Square SAMSUNG : LH351B, LH351D SEOUL Semi : Z5M/M2, Z5P
			□ 20.5 × 11.83	10°			
			Ø 18.48 × 8.23	15°			
			Ø 14.38 × 6.21	20 ~ 80°			

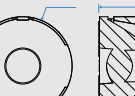
5050 PKG			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 24.48 × 15.53	10 ~ 13°	PMMA / PC	88 ~ 92	CREE : XML, XML2
			Ø 18.61 × 9.43	20 ~ 70°			

7070 PKG			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 27.6 × 13.85	15 ~ 20°	PMMA / PC	88 ~ 92	CREE : MKR LUMILEDS : Luxeon M OSRAM : GW P7STA LG INNOTEK : G4M
			Ø 23.6 × 13.85	30 ~ 70°			

XPL G4L			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 24.48 × 15.53	15°	PMMA / PC	88 ~ 92	CREE : XPL, XPL2, XPL-HI LG INNOTEK : 3535 G4L
			Ø 14.38 × 6.21	30 ~ 60°			

XHP50			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 27.6 × 14.35	15 ~ 20°	PMMA / PC	88 ~ 92	CREE : XHP50, XHP50 G2
			Ø 23.6 × 14.35	30 ~ 70°			

XHP70			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 32.0 × 15.0	20 ~ 60°	PC	88	CREE : XHP70

NEMA			SIZE(mm)	FWHM	Material (Lens/Holder)	Efficiency(%)	Remark
			Ø 35.0 × 19.5	10 ~ 20°	PC	88	CREE : XHP50/70, XPL/Hi, MKR LG INNOTEK : 3535 G2, G4L OSRAM : Luxeon M SAMSUNG : LH351B, LH351D

Total Internal Reflective Lens

TIR stands for Total Internal Reflection.

Most typical lenses in the AnyCasting standard product range are the cone-like lenses.

TIR lenses have a nice round light distribution of a circular symmetrical design.

These lenses capture more of the LED light and direct to target point and

make sure the light is going to the place need it most.

The optic collimates the light and sends a concentrated beam in the same direction.

With a TIR optic in place, a reflector is not needed.



NEMA

National Electrical Manufacturers Associations

Compatible PKG use XPL, MKR, XHP50,70
High efficiency by Optimized Design
Application : Sports Lighting, Floodlighting..etc

The National Electrical Manufacturers Association (NEMA) is the association of electrical equipment and medical imaging manufacturers, founded in 1926 and headquartered in Rosslyn, Virginia. Nearly 400 members strong, its companies manufacture a diverse set of products including power transmission and distribution equipment, lighting systems, factory automation and control systems, and medical diagnostic imaging systems. In the sports lighting application, the lighting fixtures need to satisfy the required beam angle by NEMA, wherein the beam angle is specified between Type 1 through Type 7, based on the field angle defined as 10% of luminous intensity.

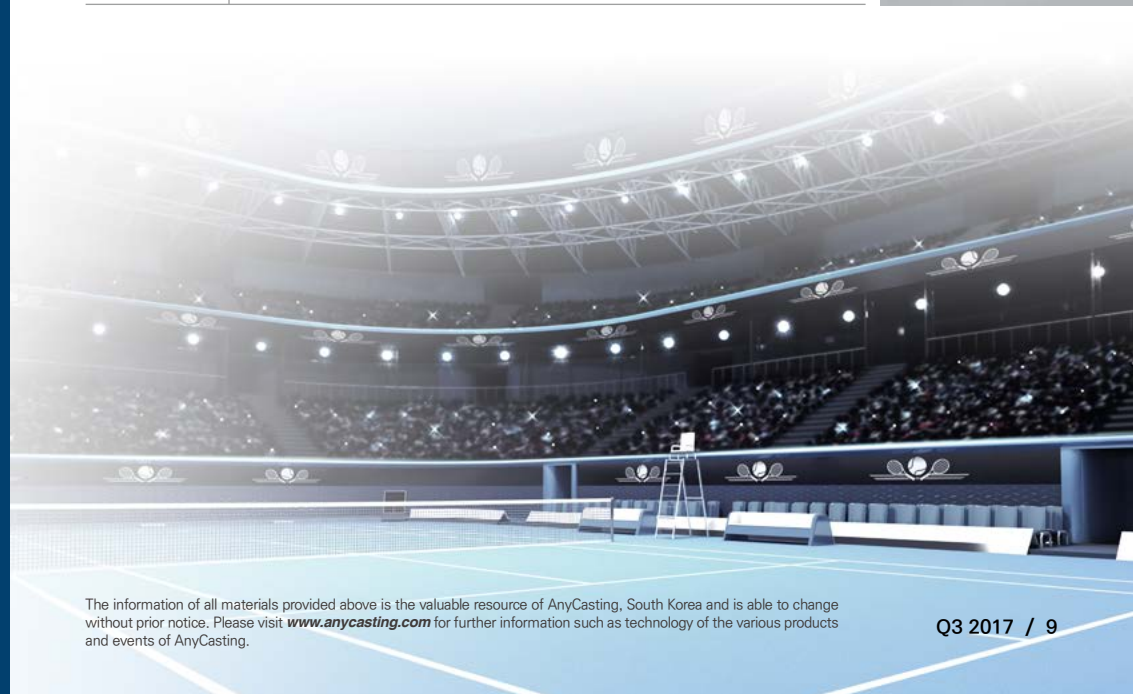
Angle Regulations		Type 4	46° ~ 70°
Type 1	10° ~ 18°	Type 5	70° ~ 100°
Type 2	18° ~ 29°	Type 6	100° ~ 130°
Type 3	29° ~ 46°	Type 7	130° ~

Optical Characteristic				
Part No.	TC1001B5LPL	TC1501B5LP5	TC1001B5LLM	TC2001B5LP7
Light Distribution Curve				
PKG	XPL	XHP 50	LUXEON M	XHP 70
Size	Ø35.0 X 19.5 mm			
Beam Angle	11.4	14.1	12	19.5
Field Angle	18.0	26.1	28.8	35.5
NEMA Type	1	2	2	3
Efficiency	90%			
Illuminance Chart				

NEMA Lens

NEMA Lens

Manufacturer	Part No.	PKG	NEMA class	Beam Angle (FWHM)	Field (Field)
CREE	TC1001B5LPL	XPL	NEMA 1	10	18
	TC1001B5LPL2	XPL-2	NEMA 2	10	21.8
	TC1001B5LP3	XHP35	NEMA 2	10	20
	TC1501B5LP5	XHP50	NEMA 2	15	26
	TC1501B5LP52	XHP50-2	NEMA 3	15	29.2
	TC2001B5LP7	XHP70	NEMA 3	20	35
	TC1501B5LBA	MHB-A	NEMA 2	15	25.4
	TC1501B5LBB	MHB-B	NEMA 2	15	25.6
LUMILEDS	TC1501B5LKR	MKR	NEMA 3	15	28.9
	TC1001B5LLM	Luxeon-M	NEMA 3	10	27.7
LG Innotek	TC1001B5LL2	H35C1	NEMA 1	10	17
NICHIA	TC1001B5LN2	NVSW219CTE	NEMA 2	10	19.8
SAMSUNG	TC1001B5LCB	351B	NEMA 2	10	17.5
	TC1001B5LC3	351C	NEMA 2	10	17.5
	TC1001B5LCD	351D	NEMA 2	10	19.5
	TC1001B5LO3	GW P7STA1 PM	NEMA 3	10	28.6
OSRAM	TC2001B5LO4	GW P7LM32 EM	NEMA 3	20	40
	TC1501B5LO5	GW P7LP32 EM	NEMA 3	15	38.9
	TC1501B5LO6	GW P9LR31 EM	NEMA 3	15	30.8
	TC1501B5LO7	GW P9LR32 EM	NEMA 3	15	30.3
	TC1501B5LO8	GW P9LT32 EM	NEMA 3	15	30



CREE PKG

Cree XP-E PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501XSPE	Pattern	15	Ø14.38x6.21	90	PC / PC
TP2001XSPE	Pattern	20	Ø14.38x6.21	88	PC / PC
TP3501XSPE	Pattern	35	Ø14.38x6.21	90	PC / PC
TP4001XSPE	Pattern	40	Ø14.38x6.21	88	PC / PC
TP4501XSPE	Pattern	45	Ø14.38x6.21	90	PC / PC
TP5001XSPE	Pattern	50	Ø14.38x6.21	90	PC / PC
TP5501XSPE	Pattern	55	Ø14.38x6.21	88	PC / PC
TP7001XSPE	Pattern	70	Ø14.38x6.21	90	PC / PC
TP1001EXMPE	Pattern	10	Ø18.48x8.22	92	PMMA / PC
TP1501EXMPE	Pattern	15	Ø18.48x8.23	92	PMMA / PC
TP2001EXSPE	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP3001EXSPE	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP4001EXSPE	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP4501EXSPE	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP5501EXSPE	Pattern	55	Ø14.38x6.21	92	PMMA / PC

Cree XP-E2 PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1001PXPE2	Pattern	10	Ø18.48x8.22	88	PC / PC
TP1501XSPE2	Pattern	15	Ø14.38x6.21	90	PC / PC
TP2001XSPE2	Pattern	20	Ø14.38x6.21	88	PC / PC
TP3501XSPE2	Pattern	35	Ø14.38x6.21	90	PC / PC
TP4001XSPE2	Pattern	40	Ø14.38x6.21	88	PC / PC
TP4501XSPE2	Pattern	45	Ø14.38x6.21	90	PC / PC
TP5501XSPE2	Pattern	55	Ø14.38x6.21	90	PC / PC
TP7001XSPE2	Pattern	70	Ø14.38x6.21	88	PC / PC
TP1501EXSPE2	Pattern	15	Ø18.48x8.22	92	PMMA / PC
TP2001EXSPE2	Pattern	20	Ø18.48x8.23	92	PMMA / PC
TP3001EXSPE2	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP4001EXSPE2	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP5001EXSPE2	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP6501EXSPE2	Pattern	65	Ø14.38x6.21	92	PMMA / PC
TP7001EXSPE2	Pattern	70	Ø14.38x6.21	92	PMMA / PC

Cree XPG2 PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001IXSG2	Pattern	20	Ø14.38x6.21	90	PC / PC
TP4001IXSG2	Pattern	40	Ø14.38x6.21	90	PC / PC
TP4501IXSG2	Pattern	45	Ø14.38x6.21	90	PC / PC
TP5001IXSG2	Pattern	50	Ø14.38x6.21	90	PC / PC
TP6001IXSG2	Pattern	60	Ø14.38x6.21	90	PC / PC
TP7501IXSG2	Pattern	75	Ø14.38x6.21	90	PC / PC
TP2001EXSG2	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP3501EXSG2	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4001EXSG2	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP5001EXSG2	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP6001EXSG2	Pattern	60	Ø14.38x6.21	92	PMMA / PC
TP7501EXSG2	Pattern	75	Ø14.38x6.21	92	PMMA / PC

Cree XPG PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC0701MXNXG	Clear	7	□33.0x19.3	88	PC / PC
TC1001MXNXG	Clear	10	□20.5x11.8	88	PC / PC
TP1501MXMXG	Pattern	15	Ø18.48x8.22	88	PC / PC
TP2001EXSXG	Pattern	20	Ø14.38x6.21	88	PC / PC
TP2001IXSXG	Pattern	20	Ø14.38x6.21	90	PC / PC
TP3501IXSXG	Pattern	35	Ø14.38x6.21	90	PC / PC
TP4501IXSXG	Pattern	45	Ø14.38x6.21	90	PC / PC
TP6001IXSXG	Pattern	60	Ø14.38x6.21	90	PC / PC
TP2201MXSXG	Pattern	22	Ø18.48x8.22	92	PMMA / PC
TP3001MXSXG	Pattern	30	Ø18.48x8.23	92	PMMA / PC
TP3501EXSXG	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4201EXSXG	Pattern	42	Ø14.38x6.21	92	PMMA / PC
TP5501EXSXG	Pattern	55	Ø14.38x6.21	92	PMMA / PC
TP6001EXSXG	Pattern	60	Ø14.38x6.21	92	PMMA / PC
TC6001MXSXG	Clear	60	Ø14.38x6.21	92	PMMA / PC
TP6501EXSXG	Pattern	65	Ø14.38x6.21	92	PMMA / PC
TP7501EXSXG	Pattern	75	Ø14.38x6.21	92	PMMA / PC

Cree XPG3 PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501PXMG3	Clear	15	Ø18.48x8.23	88	PC / PC
TP2001PXMG3	Pattern	20	Ø18.48x8.23	88	PC / PC
TP2501IXSG3	Pattern	25	Ø14.38x6.21	90	PC / PC
TP3001PXSG3	Pattern	30	Ø14.38x6.21	88	PC / PC
TP4001IXSG3	Pattern	40	Ø14.38x6.21	90	PC / PC
TP5001IXSG3	Pattern	50	Ø14.38x6.21	90	PC / PC
TP6501IXSG3	Pattern	65	Ø14.38x6.21	90	PC / PC
TP7001PXSG3	Pattern	70	Ø14.38x6.21	88	PC / PC
TC1501EXMG3	Clear	15	Ø18.48x8.23	92	PMMA / PC
TP2001EXSG3	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP2501EXSG3	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3001EXSG3	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP3501EXSG3	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4501EXSG3	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP5001EXSG3	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP6001EXSG3	Pattern	60	Ø14.38x6.21	92	PMMA / PC
TP6501EXSG3	Pattern	65	Ø14.38x6.21	92	PMMA / PC
TP7001EXSG3	Pattern	70	Ø14.38x6.21	92	PMMA / PC



Cree XTE PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001ITSTE	Pattern	20	Ø14.38x6.21	90	PC / PC
TP2501ITSTE	Pattern	25	Ø14.38x6.21	90	PC / PC
TP3501ITSTE	Pattern	35	Ø14.38x6.21	90	PC / PC
TP4501ITSTE	Pattern	45	Ø14.38x6.21	90	PC / PC
TP6001ITSTE	Pattern	60	Ø14.38x6.21	90	PC / PC
TP6501ITSTE	Pattern	65	Ø14.38x6.21	90	PC / PC
TP2001ETSTE	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP2501ETSTE	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3501ETSTE	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4501ETSTE	Pattern	45	Ø14.38x6.21	92	PMMA / PC

Cree XTE HE PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001ITSTE	Pattern	20	Ø14.38x6.21	90	PC / PC
TP4001ITSTE	Pattern	40	Ø14.38x6.21	90	PC / PC
TP5001ITSTE	Pattern	50	Ø14.38x6.21	90	PC / PC
TP6001ITSTE	Pattern	60	Ø14.38x6.21	90	PC / PC
TP7001ITSTE	Pattern	70	Ø14.38x6.21	90	PC / PC
TP2001ETSTE	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP2501ETSTE	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3501ETSTE	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4501ETSTE	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP6001ETSTE	Pattern	60	Ø14.38x6.21	92	PMMA / PC
TP7001ETSTE	Pattern	70	Ø14.38x6.21	92	PMMA / PC

Cree XPL PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001B5LPL	Clear	10	Ø35.0x19.5	88	PC / PC
TP2001PXMPL	Pattern	20	Ø18.48x8.23	88	PC / PC
TP3501PXSPL	Pattern	35	Ø14.38x6.21	88	PC / PC
TP4501PXSPL	Pattern	45	Ø14.38x6.21	88	PC / PC
TP6001PXSPL	Pattern	60	Ø14.38x6.21	88	PC / PC
TP1501MPMPL	Pattern	15	Ø24.48x15.53	92	PMMA / PC
TP2001MXMPL	Pattern	20	Ø18.48x8.23	92	PMMA / PC
TP3001EXSPL	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP4501EXSPL	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP6001EXSPL	Pattern	60	Ø14.38x6.21	92	PMMA / PC

Cree XPL HI PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501MXMHI	Pattern	15	Ø18.48x8.23	92	PMMA / PC
TP2001EXSHI	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP3001EXSHI	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP4001EXSHI	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP5001EXSHI	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP6001EXSHI	Pattern	60	Ø14.38x6.21	92	PMMA / PC

Cree XPL2 PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1201PPMPL2	Clear	12	Ø24.48x15.53	88	PC / PC
TP2501PXMPL2	Pattern	25	Ø18.48x8.23	88	PC / PC
TP3501PXSPL2	Pattern	35	Ø14.38x6.21	88	PC / PC
TP4501PXSPL2	Pattern	45	Ø14.38x6.21	88	PC / PC
TP5001PXSPL2	Pattern	50	Ø14.38x6.21	88	PC / PC
TC1201MPMPL2	Clear	12	Ø24.48x15.53	92	PMMA / PC
TP1501MPMPL2	Pattern	15	Ø24.48x15.53	92	PMMA / PC
TP2501MXMPL2	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3501BXSPL2	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4001PXSPL2	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP5001EXSPL2	Pattern	50	Ø14.38x6.21	92	PMMA / PC

Cree XHP35 PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001B5LP3	Clear	10	Ø35.0x19.5	88	PC / PC
TP3501PXSP3	Pattern	35	Ø14.38x6.21	88	PC / PC
TP4501PXSP3	Pattern	45	Ø14.38x6.21	88	PC / PC
TP5501PXSP3	Pattern	55	Ø14.38x6.21	88	PC / PC

Cree XHP35 HI PKG (3.45x3.45)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001IXS3H	Pattern	20	Ø14.38x6.21	90	PC / PC
TP3001PXS3H	Pattern	30	Ø14.38x6.21	88	PC / PC
TP3501PXS3H	Pattern	35	Ø14.38x6.21	88	PC / PC
TP4501IXS3H	Pattern	45	Ø14.38x6.21	90	PC / PC
TP5501IXS3H	Pattern	55	Ø14.38x6.21	90	PC / PC
TP6001IXS3H	Pattern	60	Ø14.38x6.21	90	PC / PC

Cree XML PKG (5.0x5.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001MMMML	Clear	10	Ø24.48x15.53	92	PMMA / PC
TP1301MMMML	Pattern	13	Ø24.48x15.53	92	PMMA / PC
TC2001MMSML	Clear	20	Ø18.61x9.43	92	PMMA / PC
TP2001MMSML	Pattern	20	Ø18.61x9.43	92	PMMA / PC
TP4501MMSML	Pattern	45	Ø18.61x9.43	92	PMMA / PC
TC6001MMSML	Clear	60	Ø18.61x9.43	92	PMMA / PC
TP6001MMSML	Pattern	60	Ø18.61x9.43	92	PMMA / PC

Cree XML2 PKG (5.0x5.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001EMMM2	Clear	10	Ø24.48x15.53	92	PMMA / PC
TP1301EMMM2	Pattern	13	Ø24.48x15.53	92	PMMA / PC
TC2001EMSM2	Clear	20	Ø18.61x9.43	92	PMMA / PC
TP2001EMSM2	Pattern	20	Ø18.61x9.43	92	PMMA / PC
TP4501EMSM2	Pattern	45	Ø18.61x9.43	92	PMMA / PC
TP6501EMSM2	Pattern	65	Ø18.61x9.43	92	PMMA / PC
TC7001EMSM2	Clear	70	Ø18.61x9.43	92	PMMA / PC

Cree XHP50 PKG (5.0x5.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501B5LP5	Clear	15	Ø35.0x19.5	88	PC / PC
TC15015MP5	Clear	15	Ø27.6x13.85	90	PC / PC
TP30015SP5	Pattern	30	Ø23.6x14.35	90	PC / PC
TP45015SP5	Pattern	45	Ø23.6x14.35	90	PC / PC
TP60015SP5	Pattern	60	Ø23.6x14.35	90	PC / PC
TP70015SP5	Pattern	70	Ø23.6x14.35	90	PC / PC
TP2001E5MP5	Pattern	20	Ø27.6x14.35	92	PMMA / PC
TP2501E5SP5	Pattern	25	Ø23.6x14.35	92	PMMA / PC
TP4001E5SP5	Pattern	40	Ø23.6x14.35	92	PMMA / PC
TP6001E5SP5	Pattern	60	Ø23.6x14.35	92	PMMA / PC
TP7001E5SP5	Pattern	70	Ø23.6x14.35	92	PMMA / PC

Cree XHP50-ver2 PKG (5.0x5.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC15015LP52	Clear	15	Ø35.0x19.5	90	PC / PC
TC20015MP52	Clear	20	Ø27.6x13.85	90	PC / PC
TP30015SP52	Pattern	30	Ø23.6x14.35	90	PC / PC
TP45015SP52	Pattern	45	Ø23.6x14.35	90	PC / PC
TP55015SP52	Pattern	55	Ø23.6x14.35	90	PC / PC
TP60015SP52	Pattern	60	Ø23.6x14.35	90	PC / PC
TP2001E5MP52	Pattern	20	Ø27.6x14.35	92	PMMA / PC
TP2501E5SP52	Pattern	25	Ø23.6x14.35	92	PMMA / PC
TP4001E5SP52	Pattern	40	Ø23.6x14.35	92	PMMA / PC
TP5501E5SP52	Pattern	55	Ø23.6x14.35	92	PMMA / PC
TP6001E5SP52	Pattern	60	Ø23.6x14.35	92	PMMA / PC

Cree XHP70 PKG (7.0x7.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC2001B5LP7	Clear	20	Ø35.0x19.5	88	PC / PC
TP2001B7SP7	Pattern	20	Ø32.0x15.0	88	PC / PC
TP6001B7SP7	Pattern	60	Ø32.0x15.0	88	PC / PC

Cree MHB-A PKG (5.0x5.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC15015MBA	Clear	15	Ø27.6x14.35	90	PC / PC
TP20015MBA	Pattern	20	Ø27.6x14.35	90	PC / PC
TP35015SBA	Pattern	35	Ø23.6x14.35	90	PC / PC
TP70015SBA	Pattern	70	Ø23.6x14.35	90	PC / PC
TP2001E5MBA	Pattern	20	Ø27.6x14.35	92	PMMA / PC
TP2501E5SBA	Pattern	25	Ø23.6x14.35	92	PMMA / PC
TP7501E5SBA	Pattern	75	Ø23.6x14.35	92	PMMA / PC

Cree MHB-B PKG (5.0x5.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC15015MBB	Clear	15	Ø27.6x14.35	90	PC / PC
TP20015MBB	Pattern	20	Ø27.6x14.35	90	PC / PC
TP30015SBB	Pattern	30	Ø23.6x14.35	90	PC / PC
TP65015SBB	Pattern	65	Ø23.6x14.35	90	PC / PC
TP2001E5MBB	Pattern	20	Ø27.6x14.35	92	PMMA / PC
TP2501E5SBB	Pattern	25	Ø23.6x14.35	92	PMMA / PC
TP4501E5SBB	Pattern	45	Ø23.6x14.35	92	PMMA / PC
TP7001E5SBB	Pattern	70	Ø23.6x14.35	92	PMMA / PC

Cree MKR PKG (7.0x7.0)

CREE ⇅

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC15015MKR	Clear	15	Ø27.6x13.85	90	PC / PC
TP25015LPKR	Pattern	25	Ø27.6x13.85	90	PC / PC
TP30015LPKR	Pattern	30	Ø23.6x14.35	90	PC / PC
TP45015LPKR	Pattern	45	Ø23.6x14.35	90	PC / PC
TP60015LPKR	Pattern	60	Ø23.6x14.35	90	PC / PC
TP65015LPKR	Pattern	65	Ø23.6x14.35	90	PC / PC
TC15015EKMKR	Clear	15	Ø27.6x13.85	92	PMMA / PC
TP30015LPKR	Pattern	30	Ø23.6x14.35	92	PMMA / PC
TP45015LPKR	Pattern	45	Ø23.6x14.35	92	PMMA / PC
TP60015LPKR	Pattern	60	Ø23.6x14.35	92	PMMA / PC

LUMILEDS PKG

Lumileds REBEL ES PKG



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001IRSRE	Pattern	20	Ø14.38×6.21	90	PC / PC
TP4501IRSRE	Pattern	45	Ø14.38×6.21	90	PC / PC
TP2001ERSRE	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3001MRSRE	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP4001MRSRE	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP5501MRSRE	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001MRSRE	Clear	60	Ø14.38×6.21	92	PMMA / PC
TP6001MRSRE	Pattern	60	Ø14.38×6.21	92	PMMA / PC

Lumileds LUXEON R PKG



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001ERSLR	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3501ERSLR	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4501ERSLR	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5001ERSLR	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP6001ERSLR	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP6501ERSLR	Pattern	65	Ø14.38×6.21	92	PMMA / PC
TP7001ERSLR	Pattern	70	Ø14.38×6.21	92	PMMA / PC

Lumileds LUXEON T PKG



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001ENSLT	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3501ENSLT	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP5001ENSLT	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP5501ENSLT	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001EXSLT	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP7001ENSLT	Pattern	70	Ø14.38×6.21	92	PMMA / PC

Lumileds LUXEON M PKG



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501ILMLM	Clear	15	Ø27.6×13.85	90	PC / PC
TP2201ILMLM	Pattern	22	Ø27.6×13.85	90	PC / PC
TP3001ILSLM	Pattern	30	Ø23.6×13.85	90	PC / PC
TP5001ILSLM	Pattern	50	Ø23.6×13.85	90	PC / PC
TP6001ILSLM	Pattern	60	Ø23.6×13.85	90	PC / PC
TP7001ILSLM	Pattern	70	Ø23.6×13.85	90	PC / PC
TC1501MLMLM	Clear	15	Ø27.6×13.85	92	PMMA / PC
TP2201MLMLM	Pattern	22	Ø27.6×13.85	92	PMMA / PC
TP3001MLSLM	Pattern	30	Ø23.6×13.85	92	PMMA / PC
TP4501MLSLM	Pattern	45	Ø23.6×13.85	92	PMMA / PC
TP6001MLSLM	Pattern	60	Ø23.6×13.85	92	PMMA / PC
TP7001MLSLM	Pattern	70	Ø23.6×13.85	92	PMMA / PC



SEOUL SEMICONDUCTOR PKG

Seoul semiconductor Z5M PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001EXSZ5	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP4501EXSZ5	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP6001EXSZ5	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP7001EXSZ5	Pattern	70	Ø14.38×6.21	92	PMMA / PC

Seoul semiconductor Z5M2 PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001EXSZ52	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP4501EXSZ52	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP6001EXSZ52	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP7001EXSZ52	Pattern	70	Ø14.38×6.21	92	PMMA / PC

Seoul semiconductor Z5P PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501MXMZP	Clear	15	Ø18.48×8.23	92	PMMA / PC
TP1501MXMZP	Pattern	15	Ø18.48×8.23	92	PMMA / PC
TP2001MXSZP	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TC4001MXSZP	Clear	40	Ø14.38×6.21	92	PMMA / PC
TP4001MXSZP	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TC6201MXSZP	Clear	62	Ø14.38×6.21	92	PMMA / PC

Seoul semiconductor S2-STW9C2SB PKG (3.0×3.0)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001IXTS1	Pattern	20	Ø14.38×6.21	90	PC / PC
TP3501IXTS1	Pattern	35	Ø14.38×6.21	90	PC / PC
TP4501IXTS1	Pattern	45	Ø14.38×6.21	90	PC / PC
TP5001IXTS1	Pattern	50	Ø14.38×6.21	90	PC / PC
TP2001EXTS1	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3001EXTS1	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP3501EXTS1	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4001EXTS1	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP5001EXTS1	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP6001EXTS1	Pattern	60	Ø14.38×6.21	92	PMMA / PC



SAMSUNG PKG

Samsung 351A PKG (3.5x3.5)

SAMSUNG

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001ECNC2	Clear	10	□20.5×11.83	92	PMMA / PC
TP1501ECMC2	Pattern	15	Ø18.48×8.23	92	PMMA / PC
TP2001ECSC2	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP2501ECSC2	Pattern	25	Ø14.38×6.21	92	PMMA / PC
TP3001ECSC2	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP3501ECSC2	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4001ECSC2	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP4501ECSC2	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5001ECSC2	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP6001ECSC2	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP9001ECSC2	Pattern	90	Ø14.38×6.21	92	PMMA / PC

Samsung 351B PKG (3.5x3.5)

SAMSUNG

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001PPMCB	Clear	10	Ø24.48×15.53	88	PC / PC
TP1501PXMCB	Pattern	15	Ø18.48×8.23	88	PC / PC
TP2001IXSCB	Pattern	20	Ø14.38×6.21	90	PC / PC
TP2501PXSCB	Pattern	25	Ø14.38×6.21	88	PC / PC
TP3501PXSCB	Pattern	35	Ø14.38×6.21	88	PC / PC
TP5501IXSCB	Pattern	55	Ø14.38×6.21	90	PC / PC
TP6001PXSCB	Pattern	60	Ø14.38×6.21	88	PC / PC
TP1501MCMCB	Pattern	15	Ø18.48×8.23	92	PMMA / PC
TP2001ECSCB	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP2501ECSCB	Pattern	25	Ø14.38×6.21	92	PMMA / PC
TP3501MCSCB	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP5501ECSCB	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001ECSCB	Pattern	60	Ø14.38×6.21	92	PMMA / PC

Samsung LH351C PKG (3.5x3.5)

SAMSUNG

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001B5LC3	Clear	10	Ø35.0×19.5	88	PC / PC
TP2001IXSC3	Pattern	20	Ø14.38×6.21	90	PC / PC
TP4001IXSC3	Pattern	40	Ø14.38×6.21	90	PC / PC
TP4501PXSC3	Pattern	45	Ø14.38×6.21	88	PC / PC
TP5501PXSC3	Pattern	55	Ø14.38×6.21	88	PC / PC
TP6001IXSC3	Pattern	60	Ø14.38×6.21	90	PC / PC
TP6501PXSC3	Pattern	65	Ø14.38×6.21	88	PC / PC
TP1001EPMC3	Pattern	10	Ø24.48×15.53	92	PMMA / PC
TP2001EXSC3	Pattern	20	Ø18.48×8.23	92	PMMA / PC
TP2501EXSC3	Pattern	25	Ø14.38×6.21	92	PMMA / PC
TP3501EXSC3	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4001EXSC3	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP4501EXSC3	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5501EXSC3	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001EXSC3	Pattern	60	Ø14.38×6.21	92	PMMA / PC

Samsung 351D PKG (3.5x3.5)

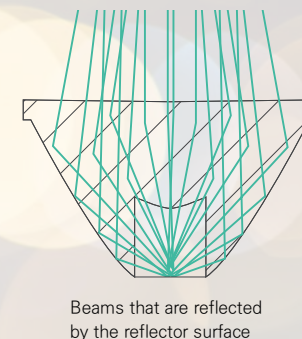
SAMSUNG

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001PPMCD	Clear	10	Ø24.48×15.53	88	PC / PC
TP2001PXSCD	Pattern	20	Ø18.48×8.23	88	PC / PC
TP3001IXSCD	Pattern	30	Ø14.38×6.21	90	PC / PC
TP3501PXSCD	Pattern	35	Ø14.38×6.21	88	PC / PC
TP4501IXSCD	Pattern	45	Ø14.38×6.21	90	PC / PC
TP6501IXSCD	Pattern	65	Ø14.38×6.21	90	PC / PC
TC1001MPMCD	Clear	10	Ø24.48×15.53	92	PMMA / PC
TP1501MPMCD	Pattern	15	Ø24.48×15.53	92	PMMA / PC
TP2001MXMCD	Pattern	20	Ø18.48×8.23	92	PMMA / PC
TP3001EXSCD	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP3501EXSCD	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4501EXSCD	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5501EXSCD	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001EXSCD	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP7001EXSCD	Pattern	70	Ø14.38×6.21	92	PMMA / PC

Total Internal Reflective Lens

Applications : High-bay, Flood Lights, Down Lights, Landscape, etc.

TIR stands for Total Internal Reflection.
Most typical lenses in the AnyCasting standard product range are the cone-like lenses.
TIR lenses have a nice round light distribution of a circular symmetrical design.
These lenses capture more of the LED light and direct to target point and make sure the light is going to the place need it most.
The optic collimates the light and sends a concentrated beam in the same direction.
With a TIR optic in place, a reflector is not needed.



OSRAM PKG

Osram LCW CQAR PC PKG (3.0x3.0)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501MXMOP	Pattern	15	Ø18.48x8.23	92	PMMA / PC
TP2001MXSOP	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP3001MXSOP	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP3501EXSOP	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4501EXSOP	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP5001EXSOP	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP5501EXSOP	Pattern	55	Ø14.38x6.21	92	PMMA / PC
TP7001EXSOP	Pattern	70	Ø14.38x6.23	92	PMMA / PC

Osram LCW CQAR EC PKG Dome Oslon G1 (3.0x3.0)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501MOMOE	Pattern	15	Ø18.48x8.23	92	PMMA / PC
TP2001MOSOE	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP3001MOSOE	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP3501EOSOE	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4001EOSOE	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP4501EOSOE	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP5001EOSOE	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP5501EOSOE	Pattern	55	Ø14.38x6.21	92	PMMA / PC
TP6001EOSOE	Pattern	60	Ø14.38x6.21	92	PMMA / PC
TP7001EOSOE	Pattern	70	Ø14.38x6.21	92	PMMA / PC

Osram GW CSSRM2.PM PKG Dome Oslon SQ G3 (3.0x3.0)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501EOMO1	Pattern	15	Ø18.48x8.23	92	PMMA / PC
TP2001EOSO1	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP2501EOSO1	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3501EOSO1	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4501EOSO1	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP5001EOSO1	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP6501EOSO1	Pattern	65	Ø14.38x6.21	92	PMMA / PC
TP7001EOSO1	Pattern	70	Ø14.38x6.21	92	PMMA / PC

Osram GW PUSRA1.PM PKG Dome Duris P8 (3.7x3.7)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2501ENSO2	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3001ENSO2	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP4001ENSO2	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP5001ENSO2	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP6001ENSO2	Pattern	60	Ø14.38x6.21	92	PMMA / PC

Osram GW JSLPS1 EM PKG (Flat Type 3030)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501IXTO9	Pattern	15	Ø14.38x6.21	90	PC / PC
TP2501PXT09	Pattern	25	Ø14.38x6.21	88	PC / PC
TP3001PXT09	Pattern	30	Ø14.38x6.21	88	PC / PC
TP3501PXT09	Pattern	35	Ø14.38x6.21	88	PC / PC
TP4001IXTO9	Pattern	40	Ø14.38x6.21	90	PC / PC
TP4501PXT09	Pattern	45	Ø14.38x6.21	88	PC / PC
TP5501IXTO9	Pattern	55	Ø14.38x6.21	90	PC / PC
TP6001PXT09	Pattern	60	Ø14.38x6.21	88	PC / PC
TP1501EXT09	Pattern	15	Ø14.38x6.21	92	PMMA / PC
TP2001EXT09	Pattern	20	Ø14.38x6.21	92	PMMA / PC
TP2501EXT09	Pattern	25	Ø14.38x6.21	92	PMMA / PC
TP3001EXT09	Pattern	30	Ø14.38x6.21	92	PMMA / PC
TP3501EXT09	Pattern	35	Ø14.38x6.21	92	PMMA / PC
TP4001EXT09	Pattern	40	Ø14.38x6.21	92	PMMA / PC
TP4501EXT09	Pattern	45	Ø14.38x6.21	92	PMMA / PC
TP5001EXT09	Pattern	50	Ø14.38x6.21	92	PMMA / PC
TP5501EXT09	Pattern	55	Ø14.38x6.21	92	PMMA / PC

Osram GW P9LR32 EM PKG (Flat Type 5050)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501B5LO7	Clear	15	Ø35.0x19.5	88	PC / PC
TP2001I5MO7	Pattern	20	Ø27.6x14.35	90	PC / PC
TP3001PMSO7	Pattern	30	Ø18.61x9.43	88	PC / PC
TP4001I5SO7	Pattern	40	Ø23.6x14.35	90	PC / PC
TP4501I5SO7	Pattern	45	Ø23.6x14.35	90	PC / PC
TP5501I5SO7	Pattern	55	Ø23.6x14.35	90	PC / PC
TP6001EOSOE	Pattern	60	Ø24.48x15.53	88	PC / PC
TP1501EMMO7	Pattern	15	Ø24.61x15.35	92	PMMA / PC
TP2001E5MO7	Pattern	20	Ø27.6x14.35	92	PMMA / PC
TP2501E5SO7	Pattern	25	Ø23.6x14.35	92	PMMA / PC
TP3501E5SO7	Pattern	35	Ø23.6x14.35	92	PMMA / PC
TP4501E5SO7	Pattern	45	Ø23.6x14.35	92	PMMA / PC
TP5501EMS07	Pattern	55	Ø18.61x9.49	92	PMMA / PC

Osram GW P7STA1 PKG Dome Duris P10 (7.0x7.0)

OSRAM

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501ILMO3	Clear	15	Ø27.6x13.85	90	PC / PC
TP2501ILMO3	Pattern	25	Ø27.6x13.85	90	PC / PC
TP3001ILSO3	Pattern	30	Ø27.6x13.85	90	PC / PC
TP5001ILSO3	Pattern	50	Ø27.6x13.85	90	PC / PC
TP6001ILSO3	Pattern	60	Ø27.6x13.85	90	PC / PC

NICHIA PKG

Nichia 119B PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001PPMN9	Clear	10	Ø24.48×15.53	88	PC / PC
TP2001PXMN9	Pattern	20	Ø18.48×8.23	88	PC / PC
TP2501PXS9	Pattern	25	Ø14.38×6.21	88	PC / PC
TP3501PXS9	Pattern	35	Ø14.38×6.21	88	PC / PC
TP4001IXSN9	Pattern	40	Ø14.38×6.21	90	PC / PC
TP4501PXS9	Pattern	45	Ø14.38×6.21	88	PC / PC
TP5001IXSN9	Pattern	50	Ø14.38×6.21	90	PC / PC
TP5501PXS9	Pattern	55	Ø14.38×6.21	88	PC / PC
TP6001PXS9	Pattern	60	Ø14.38×6.21	88	PC / PC
TP6501PXS9	Pattern	65	Ø14.38×6.21	88	PC / PC
TP2001EXSN9	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP2501MXSN9	Pattern	25	Ø14.38×6.21	92	PMMA / PC
TP3501EXSN9	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4501EXSN9	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5001EXSN9	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP5501EXSN9	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001EXSN9	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP6501EXSN9	Pattern	65	Ø14.38×6.21	92	PMMA / PC

Nichia 757D PKG (3.0×3.0)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001EXSN7	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3001EXSN7	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP4001EXSN7	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP4501EXSN7	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5001EXSN7	Pattern	50	Ø14.38×6.21	92	PMMA / PC

Nichia NF2W757GRT-V1 PKG (3.0×3.0)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001IXTN1	Pattern	20	Ø14.38×6.21	90	PC / PC
TP3501IXTN1	Pattern	35	Ø14.38×6.21	90	PC / PC
TP4501IXTN1	Pattern	45	Ø14.38×6.21	90	PC / PC
TP5501IXTN1	Pattern	55	Ø14.38×6.21	90	PC / PC
TP2001EXTN1	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3501EXTN1	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP4001EXTN1	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP4501EXTN1	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5001EXTN1	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP6001EXTN1	Pattern	60	Ø14.38×6.21	92	PMMA / PC

Nichia NVSW219CTE PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001PPMN2	Clear	10	Ø24.48×15.53	88	PC / PC
TP2001IXSN2	Pattern	20	Ø14.38×6.21	90	PC / PC
TP4001IXSN2	Pattern	40	Ø14.38×6.21	90	PC / PC
TP5501IXSN2	Pattern	55	Ø14.38×6.21	90	PC / PC
TP6501IXSN2	Pattern	65	Ø14.38×6.21	90	PC / PC
TP7001IXSN2	Pattern	70	Ø14.38×6.21	90	PC / PC
TP1001EPMN2	Pattern	10	Ø24.48×15.53	92	PMMA / PC
TP2001EXMN2	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP2501EXSN2	Pattern	25	Ø14.38×6.21	92	PMMA / PC
TP3501EXSN2	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP5001EXSN2	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP6501EXSN2	Pattern	65	Ø14.38×6.21	92	PMMA / PC
TP7501EXSN2	Pattern	75	Ø14.38×6.21	92	PMMA / PC

LG INNOTEK PKG

LG Innotek H35C1 (G2) PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP1501PXML2	Pattern	15	Ø18.48×8.23	88	PC / PC
TP2001IXSL2	Pattern	20	Ø14.38×6.21	90	PC / PC
TP3001PXSL2	Pattern	30	Ø14.38×6.21	88	PC / PC
TP4001IXSL2	Pattern	40	Ø14.38×6.21	90	PC / PC
TP5501IXSL2	Pattern	55	Ø14.38×6.21	90	PC / PC
TP6001PXSL2	Pattern	60	Ø14.38×6.21	88	PC / PC
TP8001PXSL2	Pattern	80	Ø14.38×6.21	88	PC / PC
TP1501MXML2	Pattern	15	Ø18.48×8.23	92	PMMA / PC
TP2001EXSL2	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3001EXSL2	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP3501EXSL2	Pattern	35	Ø14.38×6.21	92	PMMA / PC
TP5001ECSL2	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP5501EXSL2	Pattern	55	Ø14.38×6.21	92	PMMA / PC
TP6001EXSL2	Pattern	60	Ø14.38×6.21	92	PMMA / PC
TP8001EXSL2	Pattern	80	Ø14.38×6.21	92	PMMA / PC

LG Innotek H35F0 (G4L) PKG (3.5×3.5)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1001B5LG4	Clear	10	Ø35.0×19.5	88	PC / PC
TP1501BPMG4	Pattern	15	Ø24.48×15.53	88	PC / PC
TP1501MPMG4	Pattern	15	Ø24.48×15.53	92	PMMA / PC
TP3001EXSG4	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP4001EXSG4	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP5501EXSG4	Pattern	55	Ø14.38×6.21	92	PMMA / PC

LG Innotek Flat Type PKG (3.0×3.0)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TP2001IXTG1	Pattern	20	Ø14.38×6.21	90	PC / PC
TP3501IXTG1	Pattern	35	Ø14.38×6.21	90	PC / PC
TP4001PXTG1	Pattern	40	Ø14.38×6.21	88	PC / PC
TP4501IXTG1	Pattern	45	Ø14.38×6.21	90	PC / PC
TP5001IXTG1	Pattern	50	Ø14.38×6.21	90	PC / PC
TP2001EXTG1	Pattern	20	Ø14.38×6.21	92	PMMA / PC
TP3001EXTG1	Pattern	30	Ø14.38×6.21	92	PMMA / PC
TP4001EXTG1	Pattern	40	Ø14.38×6.21	92	PMMA / PC
TP4501EXTG1	Pattern	45	Ø14.38×6.21	92	PMMA / PC
TP5001EXTG1	Pattern	50	Ø14.38×6.21	92	PMMA / PC
TP5501EXTG1	Pattern	55	Ø14.38×6.21	92	PMMA / PC

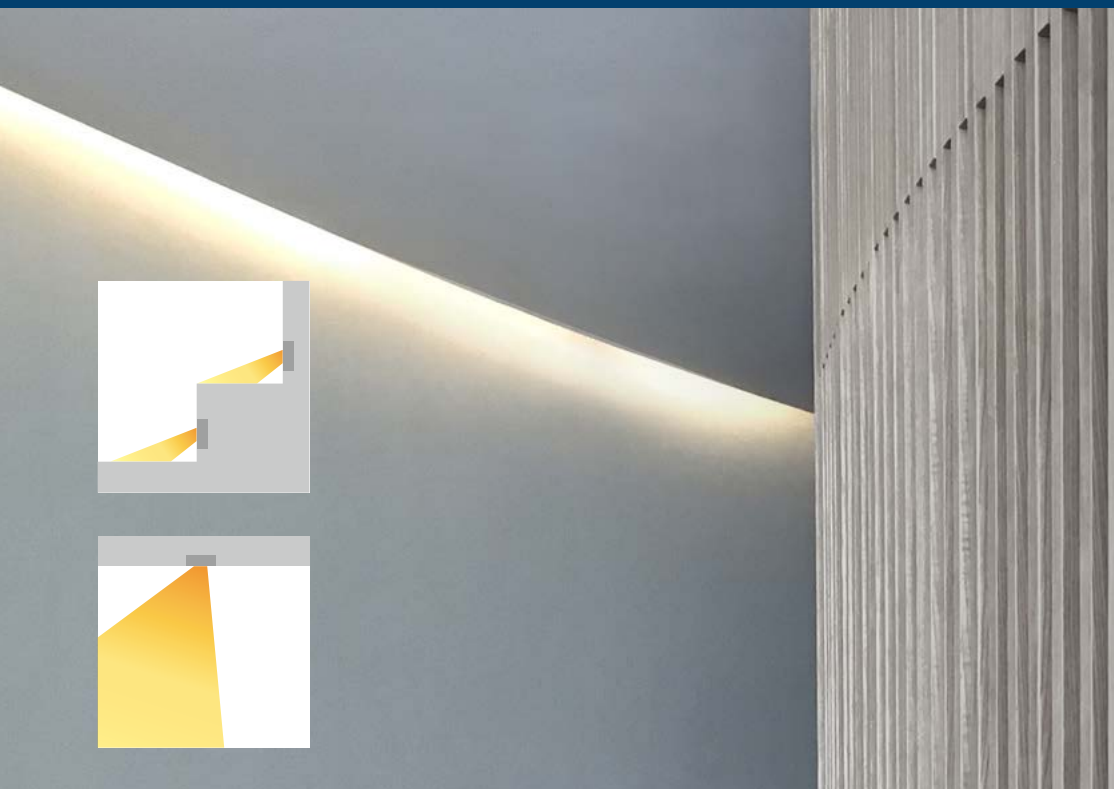
LG Innotek G4M PKG (7.0×7.0)



Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material (Lens/Holder)
TC1501IKMG7	Clear	15	Ø27.6×13.85	90	PC / PC
TP3001ILPG7	Pattern	30	Ø23.6×13.85	90	PC / PC
TP5001ILPG7	Pattern	50	Ø23.6×13.85	90	PC / PC
TP6001ILPG7	Pattern	60	Ø23.6×13.85	90	PC / PC
TP7001ILPG7	Pattern	70	Ø23.6×13.85	90	PC / PC
TP3001ELPG7	Pattern	30	Ø23.6×13.85	92	PMMA / PC
TP5001ELPG7	Pattern	50	Ø23.6×13.85	92	PMMA / PC
TP6001ELPG7	Pattern	60	Ø23.6×13.85	92	PMMA / PC
TP7001ELPG7	Pattern	70	Ø23.6×13.85	92	PMMA / PC

AnyCasting's total internal reflection LED lens maintains excellent optical quality with minimized size. Also, since it has minimized color temperature deviation and increased optical efficiency, it is used for diverse applications.

AnyCasting's Ture Color Lens series is the product of optical design optimized for different user environment and offer a wide range of high quality standard products and Optical lenses using for Flood Light, High-bay, Landscape, Sports Lighting moreover Vehicle, Airport, Marine etc... Now whenever and wherever you can experience specialized technology of AnyCasting Co., Ltd.



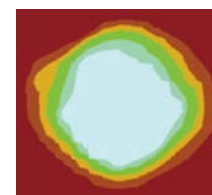
TA101EXLG2

Applicable LED	3535PKG
Material	PMMA / PC
Material Details	<p>Lens Material Optical Grade PMMA</p> <ul style="list-style-type: none"> - Flammability : HB (UL94) - Luminous transmittance : 92% (ISO 13468-2) - Refractive index : 1.49 (ISO 489) <p>Lens Material Optical Grade PC</p> <ul style="list-style-type: none"> - Flammability : V-0 (UL94) - Heat Deformation Temperature : 133 °C (ASTM D648) - Izod Impact Strength : 75 J/m
Beam Angle Type (FWHM)	Asymmetric Lens
Size	Ø26.07 x 13.14 mm
Assembly	In order to present the best optical effect, the PIN at the bottom of the lens is fixed to the PCB board, so that the center of the LED and the center of the lens can be aligned to get high efficiency.

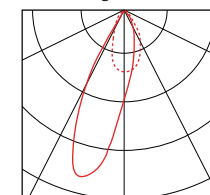


Illumination charts

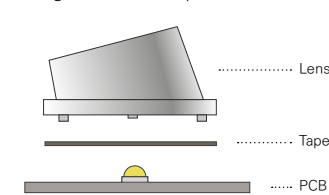
Beam Pattern



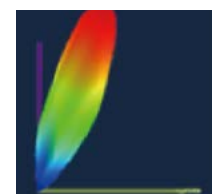
Beam Angle



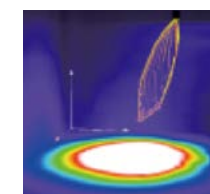
TIR Single Lens Line-up



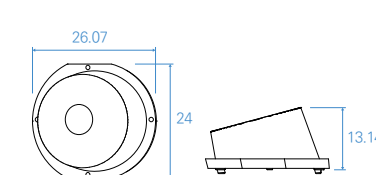
3D distribution



Beam Pattern simulation



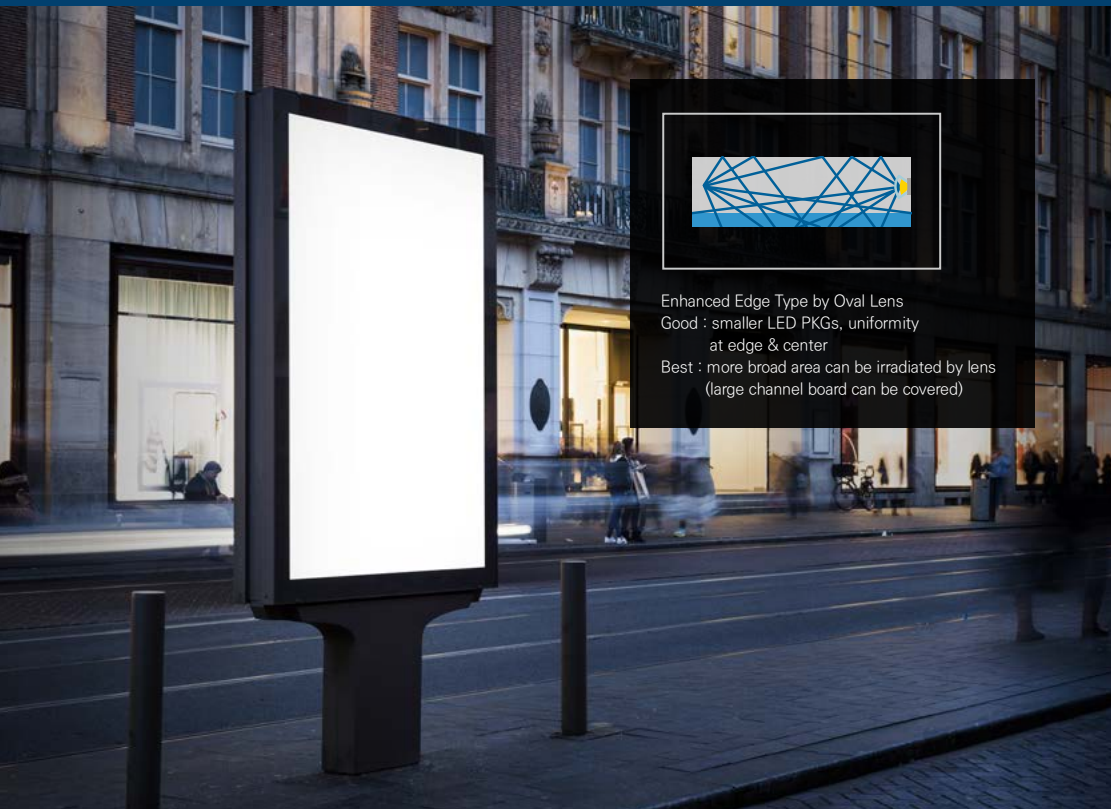
Lens Dimensions



AnyCasting's total-reflection LED lens maintains excellent optical quality with minimized size. Also, it is used for diverse applications since it has minimized color temperature deviation and increased optical efficiency.

Features

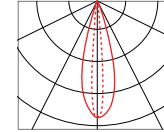
- Reduction in color temperature difference by optimized lens surface
- Improvement of optical quality by using lens surfaces with patterned nanostructures
- Superior luminous flux efficiency
- It is available to improve the linearity of light applied to signboard or advertisement in medium and large size
- Applicable to a variety of 3030 & 3535 PKG



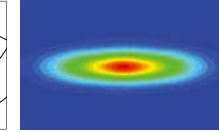
TO3010EXNxx

Material	PMMA
FWHM	30 x 10°
Size	Ø 23.60 x 11.77 mm
Efficiency	90%
Applicable LED	3535 PKG

Cross Section



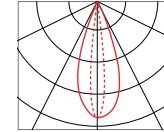
Illuminance Distribution



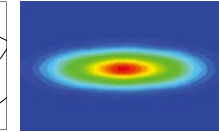
TO3511BXNxx

Material	PC
FWHM	35 x 11°
Size	Ø 23.60 x 11.77 mm
Efficiency	88%
Applicable LED	3535 PKG

Cross Section



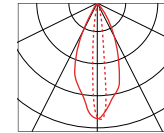
Illuminance Distribution



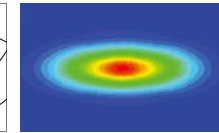
TO4212EXNxx

Material	PMMA
FWHM	42 x 12°
Size	Ø 26.0 x 12.2 mm
Efficiency	90%
Applicable LED	3535 PKG

Cross Section



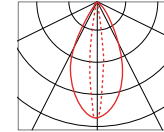
Illuminance Distribution



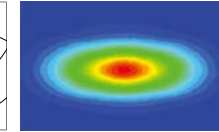
TO4814EXNxx

Material	PMMA
FWHM	48 x 14°
Size	Ø 26.0 x 12.2 mm
Efficiency	90%
Applicable LED	3535 PKG

Cross Section



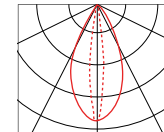
Illuminance Distribution



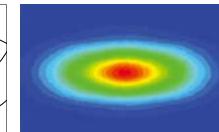
TO5312BXNxx

Material	PC
FWHM	53 x 12°
Size	Ø 26.0 x 12.2 mm
Efficiency	88%
Applicable LED	3535 PKG

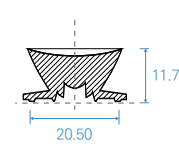
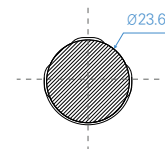
Cross Section



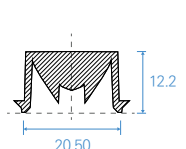
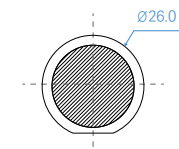
Illuminance Distribution



Lens Dimensions



TO3010EXNxx / TO3511BXNxx



TO4212EXNxx / TO4814EXNxx / TO5312BXNxx



2x2 lens

TIR Array Lens

Part No.	TYPE	Beam Angle (FWHM)	SIZE (mm)	Efficiency (%)	Material	Manufacturer	PKG
TS2504BXLG1	Sanding	25	49.80×49.80	88	PC	LG Innotek	3030 PKG
TS3004BXLG3	Sanding	30	49.80×49.80	88	PC	Cree	3535 PKG
TS3004BXLG3	Sanding	30	49.80×49.80	88	PC	Samsung	3535 PKG
TS3004BXL2	Sanding	30	49.80×49.80	88	PC	LG Innotek	3535 PKG
TS3004BXL1	Sanding	30	49.80×49.80	88	PC	Seoul semi	3030 PKG
TS4504BXLG1	Sanding	45	49.80×49.80	88	PC	LG Innotek	3030 PKG
TS5004BXL1	Sanding	50	49.80×49.80	88	PC	Seoul semi	3030 PKG
TS6004BXLG3	Sanding	60	49.80×49.80	88	PC	Cree	3535 PKG
TS7004BXLG3	Sanding	70	49.80×49.80	88	PC	Samsung	3535 PKG
TS7004BXL2	Sanding	70	49.80×49.80	88	PC	LG Innotek	3535 PKG
AC7504BXLG1	Clear	75	49.80×49.80	88	PC	LG Innotek	3030 PKG
AC8004BXL1	Clear	80	49.80×49.80	88	PC	Seoul semi	3030 PKG
AC8504BXLG3	Clear	85	49.80×49.80	88	PC	Samsung	3535 PKG
AC8504BXL2	Clear	85	49.80×49.80	88	PC	LG Innotek	3535 PKG
AC9004BXLG3	Clear	90	49.80×49.80	88	PC	Cree	3535 PKG
TS2004EXLG1	Sanding	20	49.80×49.80	92	PMMA	LG Innotek	3030 PKG
TS2504EXL1	Sanding	25	49.80×49.80	92	PMMA	Seoul semi	3030 PKG
TS3004EXL1	Sanding	30	49.80×49.80	92	PMMA	Samsung	3535 PKG
TS3004EXL2	Sanding	30	49.80×49.80	92	PMMA	LG Innotek	3535 PKG
TS3004EXL3	Sanding	30	49.80×49.80	92	PMMA	Cree	3535 PKG
TS4504EXL1	Sanding	45	49.80×49.80	92	PMMA	LG Innotek	3030 PKG
TS5004EXL1	Sanding	50	49.80×49.80	92	PMMA	Seoul semi	3030 PKG
TS6004EXL1	Sanding	60	49.80×49.80	92	PMMA	Cree	3535 PKG
TS7004EXL2	Sanding	70	49.80×49.80	92	PMMA	LG Innotek	3535 PKG
TS7004EXL3	Sanding	70	49.80×49.80	92	PMMA	Samsung	3535 PKG
AC8004EXL1	Clear	80	49.80×49.80	92	PMMA	LG Innotek	3030 PKG
AC9004EXL3	Clear	90	49.80×49.80	92	PMMA	Cree	3535 PKG
AC9004EXL2	Clear	90	49.80×49.80	92	PMMA	Samsung	3535 PKG
AC9004EXL1	Clear	90	49.80×49.80	92	PMMA	LG Innotek	3535 PKG
AC9004EXL1	Clear	90	49.80×49.80	92	PMMA	Seoul semi	3030 PKG



TPxx36MXSMG (36EA Multi Array Holder)

For 3535 PKG

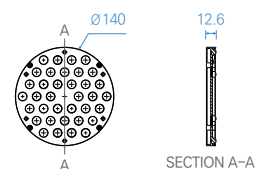
Enable Standard Lens used Ultrasonic Welding

Variety Angle Applicable

Applications : High-bay, Flood Lights, Down Lights, Landscape, etc.

Size	Ø140.0×12.6mm
Material	PC
Efficiency	90%
Applicable LED	3535 PKG / CREE XPX Series / LG INNOTEK / SANMSUNG / SEOUL Semi / NICHIA / OSRAM / etc.

Dimensions



TPxx84MXSMG (84EA Multi Array Holder)

For 3535 PKG

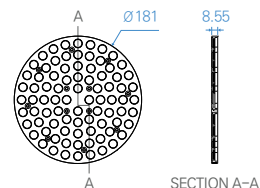
Enable Standard Lens used Ultrasonic Welding

Variety Angle Applicable

Applications : High-bay, Flood Lights, Down Lights, Landscape, etc.

Size	Ø181.0×8.55mm
Material	PC
Efficiency	90%
Applicable LED	3535 PKG / CREE XPX Series / LG INNOTEK / SANMSUNG / SEOUL Semi / NICHIA / OSRAM / etc.

Dimensions



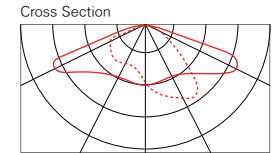
AnyCasting's outdoor lighting lenses have an optical design to suit various outdoor environments and installation conditions. Their high optical efficiency ensures that the lighting specifications meet all customers request.

AnyCasting's universal LED street lighting lenses are designed for diverse installation environments. They are high performance asymmetrical lenses with optical efficiencies of over 93% that provide high overall / longitudinal illuminance uniformity. Their effective light control minimizes glare, and assembly and installation in streetlights are simple and easy. Heat-resistant materials are used for high durability.



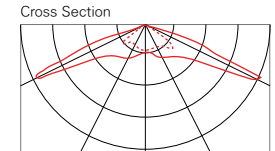
STA301MXLXG

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



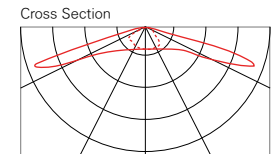
STA601CMLML

Material PC
FWHM Asymmetric
Size 20.0 x 19.0mm
Applicable LED 5050PKG



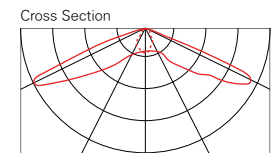
STA701MXLXG

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



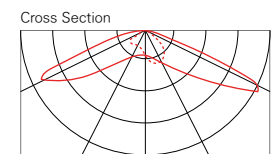
STA801MXLXG

Material PMMA
FWHM Asymmetric
Size 23.0 x 16.0mm
Applicable LED 3535PKG



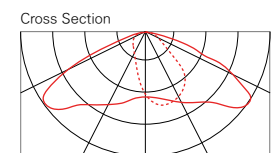
STA901MXLXG

Material PMMA
FWHM Asymmetric
Size 32.0 x 26.0mm
Applicable LED 7070PKG



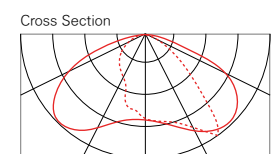
STA1201ETLLE

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



STA1801EXLXG

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



IESNA Roadway Classification

(Illuminating Engineering Society of North America)

Classification of Type I~VS, Short, Medium, Long depend on Mounting Height.

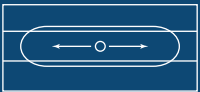

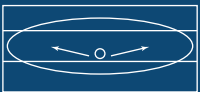
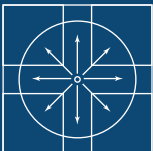

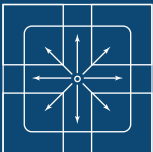
Classification of Type I~VS depend on 50% point of Max Candela.

Classification of Short, Medium, Long depend on the point of Max Candela.

MH Mounting Height

LRL Longitudinal Roadway Lines, running along the roadway

TRL Transverse Roadway Lines, running across the roadway

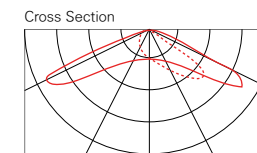
TYPE I		TYPE IV	
	50% of intensity is between House side 1MH LRL and 1MH LRL		50% of intensity over than 2.75MH LRL
TYPE II		TYPE V	
	50% of intensity is between Street side 1MH LRL and 1.75MH LRL		distribution has a circular symmetry
TYPE III		TYPE VSquare	
	50% of intensity is between Street side 1.75MH LRL and 2.75MH LRL		distribution has a circular symmetry essentially, with a square symmetry

Very Short	: Max Candela is between 0 and 1.0MH TRL
Short	: Max Candela is between 1.0MH TRL and 2.25MH TRL
Medium	: Max Candela is between 2.25MH TRL and 3.75MH TRL
Long	: Max Candela is between 3.75MH TRL and 6.0MH TRL
Very Long	: Max Candela is over than 6.0MH TRL



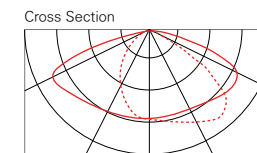
STA1901EXLXG

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



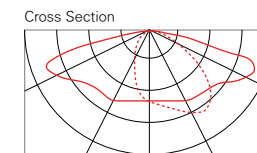
STA2001EXLXG

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



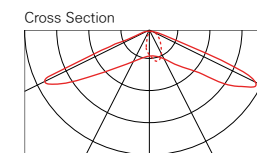
STA2101PXLXG

Material PC
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



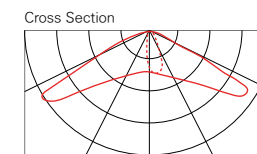
STA2301PXL2

Material PC
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



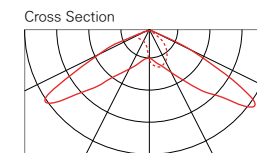
STA2701PXL2

Material PC
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG



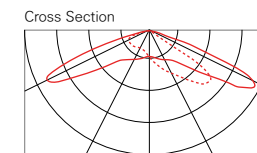
STA3101PXL5

Material PC
FWHM Asymmetric
Size 20.0 x 15.0mm
Applicable LED 5152PKG



STA3301PXL2

Material PC
FWHM Asymmetric
Size 19.0 x 14.0mm
Applicable LED 3535PKG

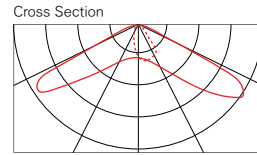


Street lights Lens



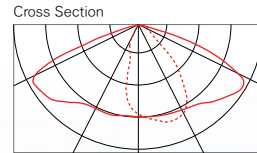
STA3701PXLPL

Material PC
FWHM Asymmetric
Size 19.0x14.0mm
Applicable LED 3535PKG



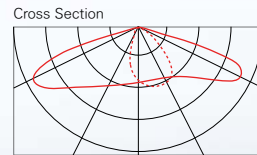
STA4101PXLCLB

Material PC
FWHM Asymmetric
Size 19.0x14.0mm
Applicable LED 3535PKG



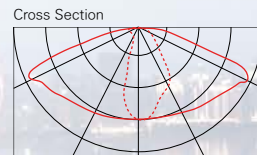
STA4201PXLL2

Material PC
FWHM Asymmetric
Size 19.0x14.0mm
Applicable LED 3535PKG



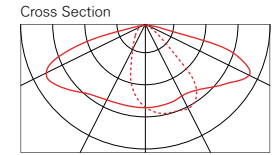
STA5201PXLL2

Material PC
FWHM Asymmetric
Size 19.0x14.0mm
Applicable LED 3535PKG



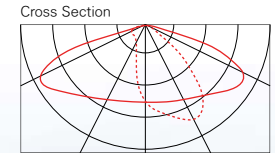
STA5301PXLL2

Material PC
FWHM Asymmetric
Size 19.0x14.0mm
Applicable LED 3535PKG



STA6401EXLS1

Material PMMA
FWHM Asymmetric
Size 16.0x12.0mm
Applicable LED 3030, 3535PKG, OSRAM duris P8, Luxeon TX



AnyCasting's universal LED security lighting lenses are designed for diverse installation environments.

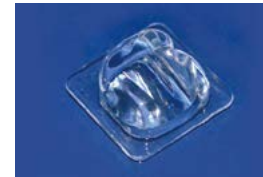
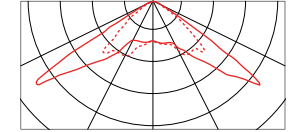
They are high performance asymmetrical lenses with over 93% optical efficiencies that provide high overall / longitudinal illuminance uniformity.



SCS301CXLXG

Material PC
FWHM Symmetric
Size 23.0 x 16.4 x 9.1 mm
Applicable LED 3535PKG

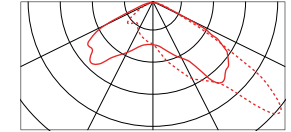
Cross Section



SCA1101MLLLM

Material PMMA
FWHM Asymmetric
Size 27.0 x 27.0 x 10.30 mm
Applicable LED 7070PKG

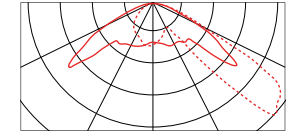
Cross Section



SCA501MXLXG

Material PMMA
FWHM Asymmetric
Size 19.0 x 14.0 x 6.2 mm
Applicable LED 3535PKG

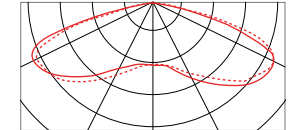
Cross Section



SCS3501PXLGB

Material PC
FWHM Symmetric
Size 20.0 x 20.0 x 4.7 mm
Applicable LED 3535PKG

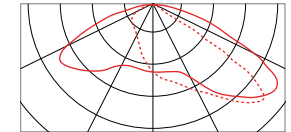
Cross Section



SCA4601PXLPL

Material PC
FWHM Asymmetric
Size 19.0 x 14.0 x 6.55 mm
Applicable LED 3535PKG

Cross Section





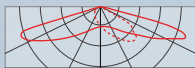


Array Lens

Applications : Street Lights, Security Lights, Tunnel Lights

AnyCasting has standard 10points and 12points array lenses. A wide range of standard array lenses can be used with one heat sink and one gasket, and it is used for ceilings and walls of tunnels.

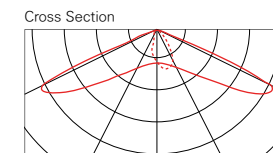
- Compact and efficient design make modules easy to use and save expenses by using the same heat sink.
- High performance and perfect for street lights and tunnel lights.

Optical Characteristic			
Specifications	TYPE A	TYPE B	TYPE A, B, C
Array Lens Part No.	STA4212PXLL2		STA5712PXLL2
	STA5710PXLL2 (10points), STA5712PXLL2 (12points)		
Array Lens Size	126.0x62.0x8.2mm		
Single Lens Part No.	STA2701PXLL2	STA2301PXLL2	STA5701PXLL2
	STA5701PXLL2		
Single Lens Image			
Single Lens Size	19.0x14.0x4.93mm		19.0x14.0x4.93mm
Material	PC (LG Lupoy 1303-EP22)	PC (LG Lupoy 1303-EP22)	PC (LG Lupoy 1303-EP22)
Efficiency	88%		
Beam Angle			



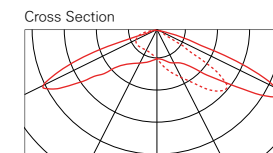
STA2310PXLL2

Material PC
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG



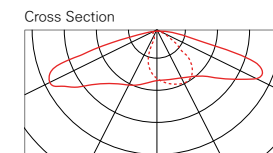
STA3310PXLL2

Material PMMA
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG



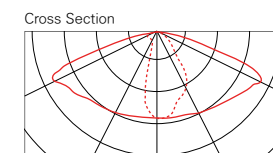
STA4212PXLL2

Material PC
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG



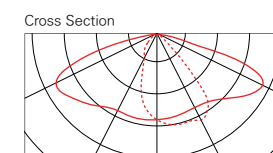
STA5212PXLL2

Material PC
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG



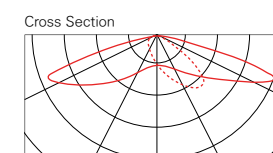
STA5312PXLL2

Material PC
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG



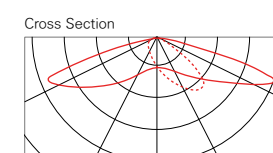
STA5710PXLL2

Material PC
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG



STA5712PXLL2

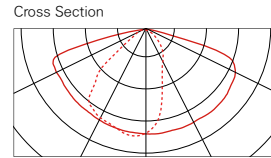
Material PC
FWHM Asymmetric
Size 126.0x62.0x8.2 mm
Applicable LED 3535PKG





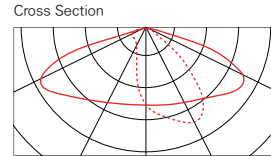
STA6112PXLL2

Material PC
FWHM Asymmetric
Size 126.0 x 62.0 x 8.2 mm
Applicable LED 3535PKG



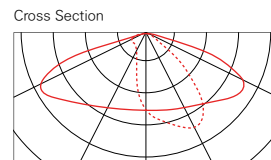
STA6404xxxx

Material PMMA
FWHM Asymmetric
Size 50.0 x 50.0 mm
Applicable LED 3030, 3535PKG, OSRAM duris P8, Luxeon TX



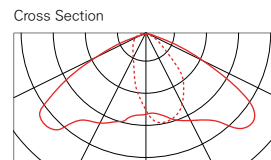
STA6408xxxx

Material PMMA
FWHM Asymmetric
Size 50.0 x 50.0 mm
Applicable LED 3030, 3535PKG



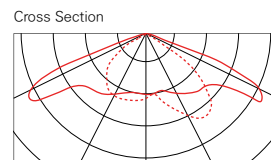
STA1224ETLTE

Material PMMA
FWHM Asymmetric
Size 120.0 x 100.0 mm
Applicable LED 3535PKG

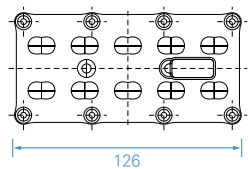


STA160Mxxxx

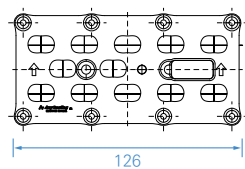
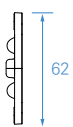
Material PMMA
FWHM Asymmetric
Size 348.0 x 165.0 mm
Applicable LED 3535PKG



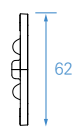
Lens Dimensions



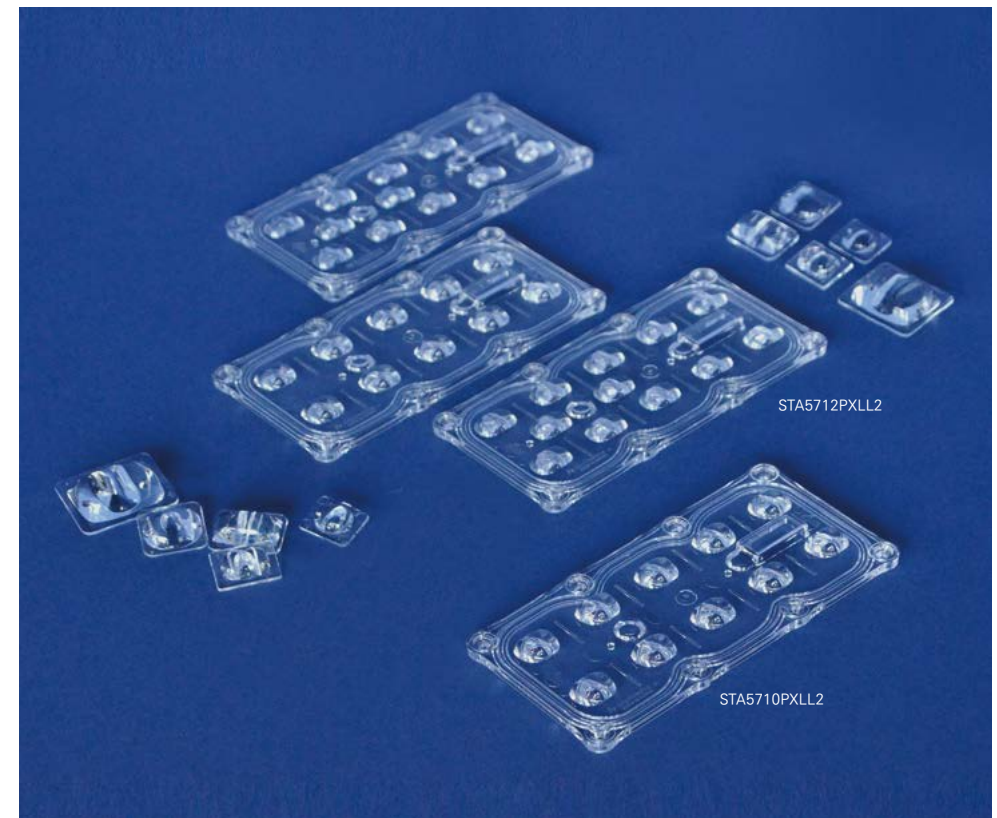
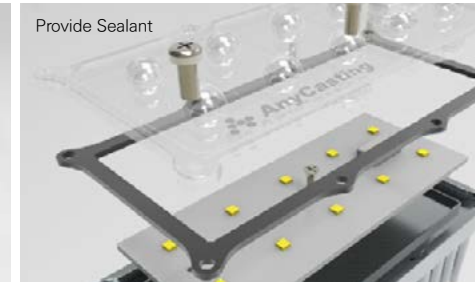
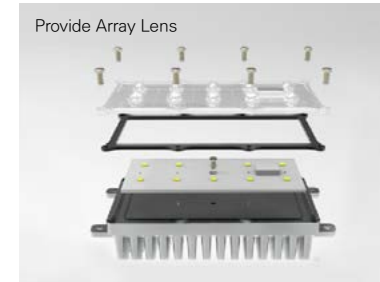
STA5710PXLL2



STA5712PXLL2



Assembly



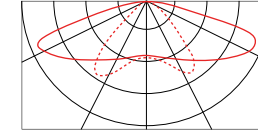
The 10 points standard array lens is designed on the basis of Korea Expressway Corporation's (government) tunnels and we provide optimal and right lens solution.



TNA210PXLL2

Material	PC
FWHM	Asymmetric
Size	124.0 x 60.0 x 8.2 mm
Applicable LED	3535PKG

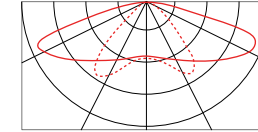
Cross Section



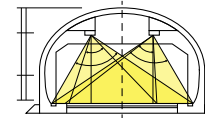
TNA301PXLL2

Material	PC
FWHM	Asymmetric
Size	18.85 x 13.85 x 5.19 mm
Applicable LED	351B, H35C1, TL1L4-NW1

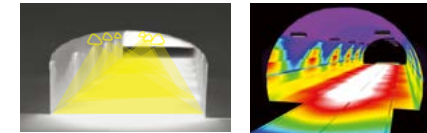
Cross Section



Design Condition



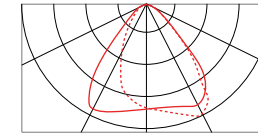
Dialux Simulation



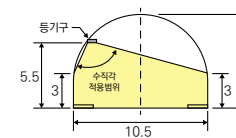
TNA101PXLTE

Material	PC
FWHM	Asymmetric
Size	20.0 x 19.0 x 7.71 mm
Applicable LED	XPG, XPG G2, XTE, 351A, H35C1

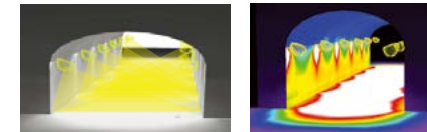
Cross Section



Design Condition



Dialux Simulation



TNA210PXLL2
(10pt Array Lens)



TNA301PXLL2

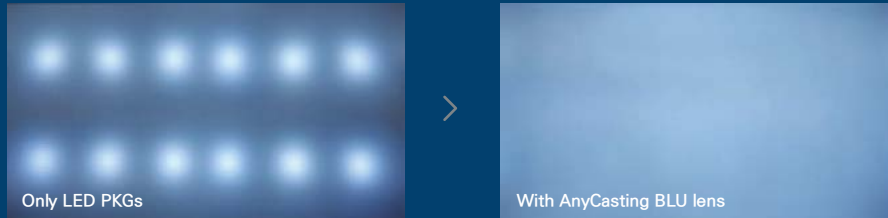


TNA101PXLTE

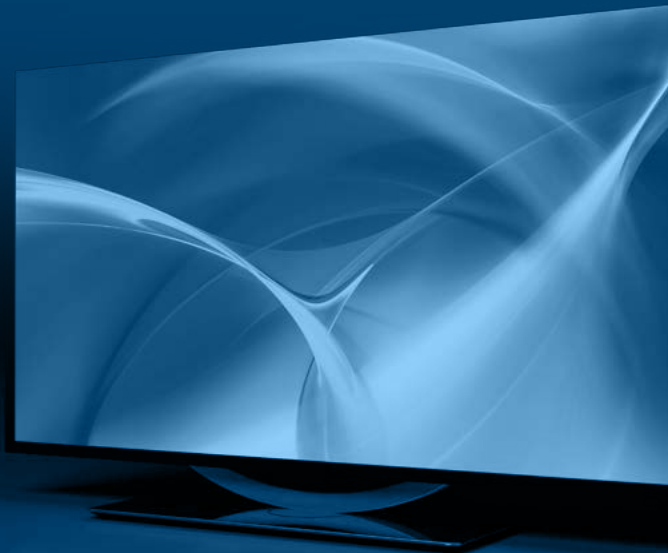
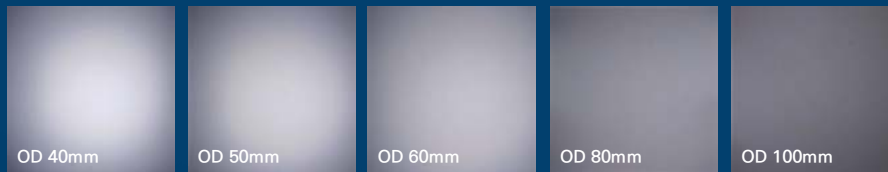
Channel Sign for BLU Lens

AnyCasting lens presents high quality Backlight Unit (BLU) with great uniformity and no color temperature deviation in the extremely low optical distance. AnyCasting lenses are designed and supplied by considering an optical distance and the number of light sources.

Comparison of BLU before and after AnyCasting lens application



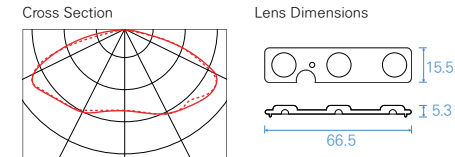
Light Distribution depending on Optical Distance



Channel Sign for BLU Lens

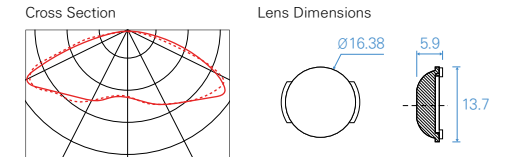
AS1603ADHS3

Material	Diffusion PC
FWHM	155°
Size	15.5x66.5x5.3mm
Applicable LED	3030, 3528, 5630 PKG



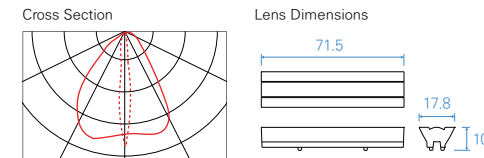
BLC101EHXA1 / BCS

Material	PMMA
FWHM	150°
Size	Ø16.38x13.7x5.9mm
Applicable LED	3030, 3528 PKG



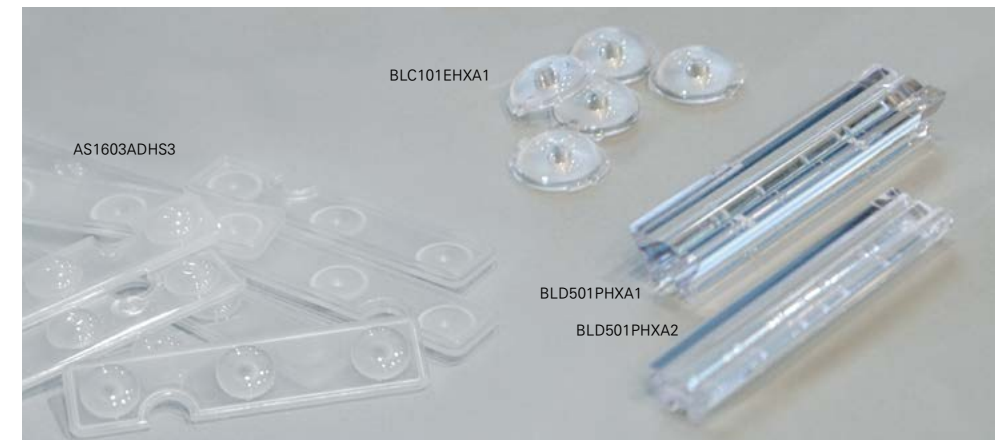
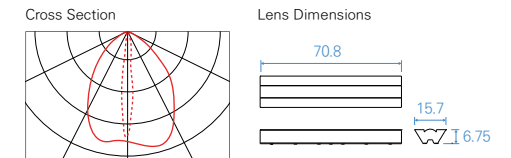
BLD501PHXA1

Material	PC
FWHM	10°~13° (1313 CSP), 17°~20° (High Power LED PKG)
Size	71.5x17.8x10.0(T)mm
Applicable LED	1313 CSP, High Power LED PKG



BLD501PHXA2

Material	PC
FWHM	10°~13°
Size	70.8x15.7x6.75mm
Applicable LED	1313 CSP



Custom Design

AnyCasting is a high quality optical lens manufacturer, and the best LED optical lens company which can satisfy customers' needs through partnership with customers based on long-term expertise of optical design and injection technology. We design many standard products and customized lenses to meet the needs of our customers. We also produce the products that customers need from our own factories through mold manufacturing technology with know-how accumulated numerous years.

AnyCasting's strength?

- Exact optical lens design and quick simulation results based on long-term experience
- Continuous Lens Line-Up for various PKG
- Through the QDM (Quick Delivery Mold) mold system, prototypes can be produced and it reduce errors in mold for mass production
- Production technology and production facilities capable of injecting complex lens structures
- Optical lens measurement technology
- Management of lens quality assurance
- Management of schedule product shipment to customer needs

If you need to produce optical lenses that require special LED optics, join with AnyCasting, a specialized manufacturer of LED optical lenses.

2017 Exhibition Schedule

AnyCasting Co., Ltd.



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LED Optics

www.anyoptics.com