

OPTICAL SOLUTION SERVICE PROVIDER

RCOOLA[®] OPTICS POWERED BY **MANLUX**

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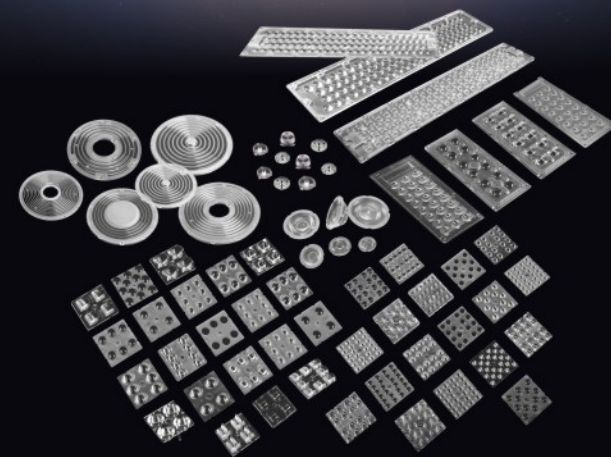
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2024年第一版

RCOOLA[®]
Optics

Optical Efficiency Leader

POWERED BY **MANLUX**



Illuminate the Future with Light
Create with Wisdom and Insight

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RCOOLA was founded in 2014 and established its subsidiary RUXANE in 2022. RCOOLA focuses on optical design, optical mold manufacturing, precision injection molding and a variety of high-end, high-precision, non-standard optical lens injection molding development.

Our factory is located in Guangming District, Shenzhen, covering 12,000 m², equipped with 45 high-precision injection molding machines and various imported high-precision testing instruments. In 2024, we invested in a 20,000 m² plant and 55 injection molding machines in Triangle Town, Zhongshan City, planning an annual output value of RMB150 million, aiming to optimize production and operating costs to improve production capacity to meet customer order demands.

RCOOLA has a passionate and promising R&D team consist of professional engineers with more than 15 years' experience, injection mold designers and production staff, sales and customer service team, etc. Thus we're able to provide high-quality, innovative products and attentive services to customers worldwide. Furthermore, RUXANE focus on optical design, optical mold manufacturing, precision injection molding and the development of various high-end and high-precision non-regular optical lens injection molding.

Besides, we introduce global-advanced technologies and equipment such as nano-level ultra-precision mold processing equipment, Japanese precision injection molding machines, precision testing equipment, etc. All of these contribute to an all-in-one production system, consist of independent design, research and development, manufacturing and molding. Besides, we have passed ISO9001-2015 Quality Management System Standard, TS16949 Quality Management System and ISO14001 Environmental Management System certifications. We has perfect optical inspection standards and various precision optical measuring instruments such as UA3P, profiler, 3D, high-power microscope, spectrophotometer, focimeter Trioptics Pro9 MTF, G30D inverted laser interferometer, Analytic inverse projector and Transmission Centroid Device and so on.

RCOOLA mainly deals in LED lenses(for LED lighting product), Optical lenses such as projection lenses, AR optical components, medical lenses, intelligent induction, vehicle projection and sensors components.

RUXANE mainly deals in Optical lens head (including assembled lenses) such as face recognition, video doorbell, drone, law enforcement instrument, driving recorder, smart home, hunting camera and Industrial AI detection lens.

We adheres to the business philosophy of "Quality First, Customer Supreme, Innovation Driven and Win-Win Cooperation", and thus spares no efforts to provide customers with high-quality, preferential and highly competitive optical lens products!

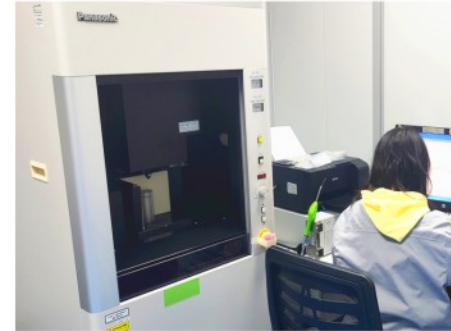


Ten thousand level dust-free production workshop adopts Japanese electric precision injection molding machine to produce lighting and light box lenses, ensuring the product manufacturing environment and accuracy requirements.

Class 10,000 and Class 1000 dust-free production workshops use Japan's Fanuc and Toshiba all-electric precision injection molding machines to ensure product manufacturing environment and precision requirements.



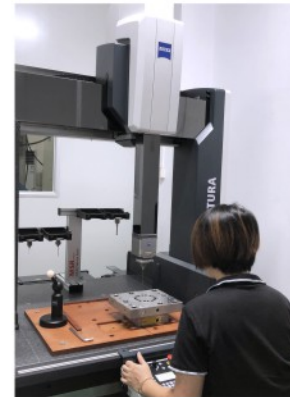
Thousands of dust-free assembly workshops to ensure product manufacturing environment and precision requirements.



UA3P three-dimensional morphology measuring instrument



High Precision Surface Measurement Instrument



ZEISS CMM CONTURA



2D Measuring Instrument



TESA Height Gauge



Microscope



Hardness tester



Sanfeng altimeter



Fully automatic focimeter



HIKVISION Thermograph

Optical Testing Equipment



G30D inverted laser Interferometer



Optical reverse projector



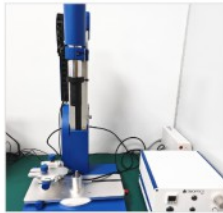
Transmission Centroid Device



Spectrophotometer



Trioptics-Pro9 MTF Lens test parsing /EF



Trioptics-Mot Lens deflection test



Lens action camera



EVERFINE GOSoft G0-2000

Reliability Laboratory



Temperature shock test chamber



Salt spray test chamber



Extreme temperature impact test chamber



Humidity and Temperature Test Chamber



UV accelerated weathering test chamber



Simulated Transport Vibration Table



Alcohol-resistant & Rubber Abrasion Tester



Sand and dust test chamber



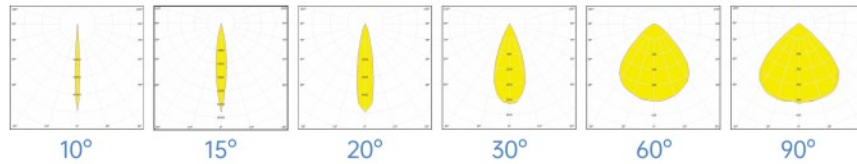
Single-sided Drop Tester



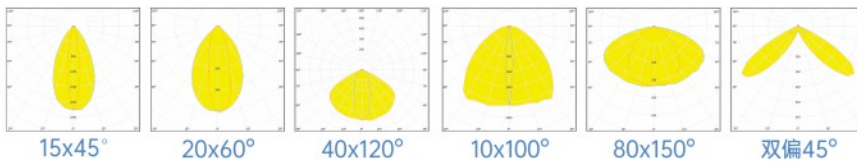
49 Utility Model Patents
8 Appearance Patents
5 Invention Patents



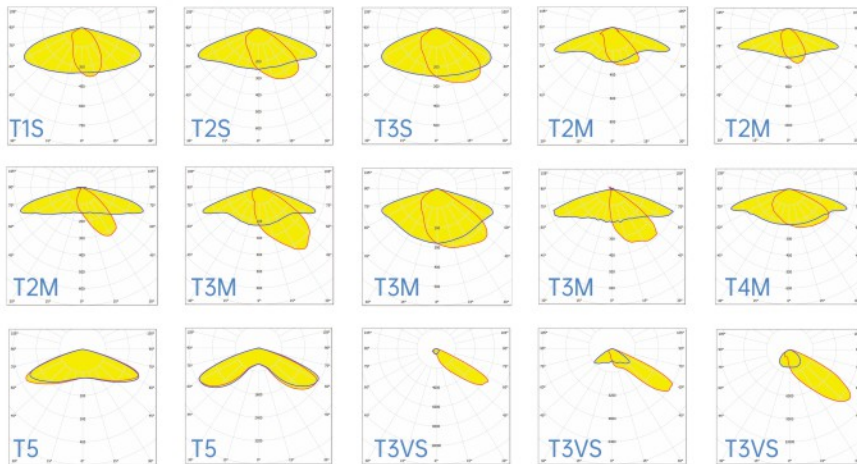
Circular light distribution curve



Linear light distribution curve




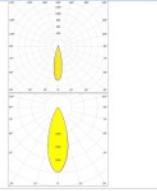
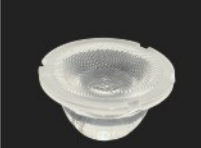
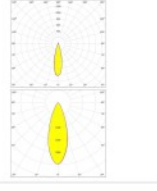

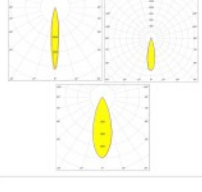

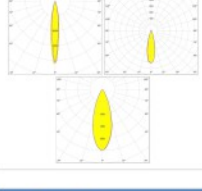

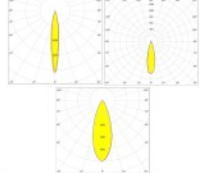
Street / area lighting distribution curve


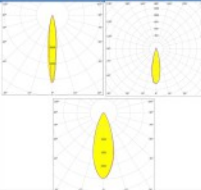



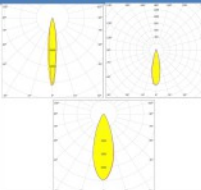
Widely used in indoor, outdoor and road lighting

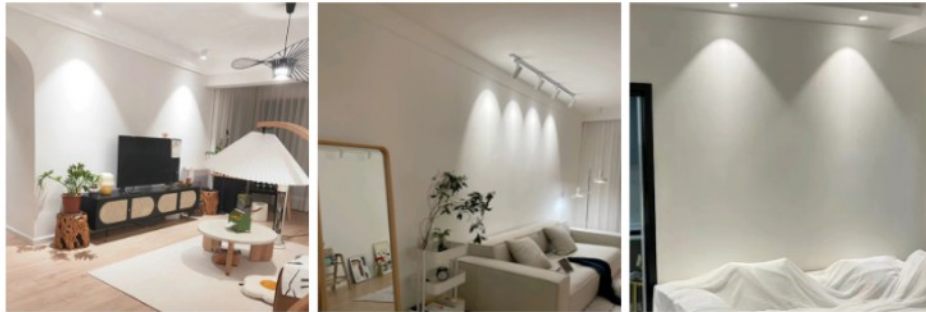


COB Lens

COB-2815	Material	Efficiency	Beam angle	LED	Candeia curves
	PMMA	92%	24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	
COB-3518	Material	Efficiency	Beam angle	LED	Candeia curves
	PMMA	92%	24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	
COB-4319	Material	Efficiency	Beam angle	LED	Candeia curves
	PMMA	92%	15° 24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	
COB-5022	Material	Efficiency	Beam angle	LED	Candeia curves
	PMMA	92%	15° 24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	
COB-6022	Material	Efficiency	Beam angle	LED	Candeia curves
	PMMA	92%	15° 24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	

COB-6929	Material	Efficiency	Beam angle	LED	Candela curves
	PMMA	92%	15° 24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	


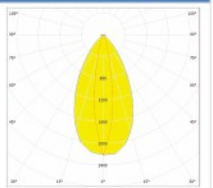
COB-7529	Material	Efficiency	Beam angle	LED	Candela curves
	PMMA	92%	15° 24° 36°	CREE:CXA1304/1310, CMA1303, CITIZEN: CLU701 LUMINUS: CXM-3/CXM-4 LUMILEDS: S01H4/S01H6/ S02H6/S01F06	

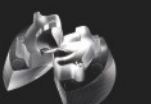




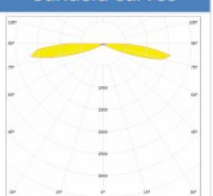







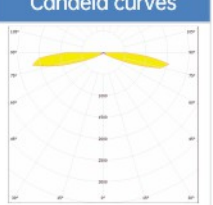
Single Lens

20mm-T20-A	Material	Efficiency	Beam angle	LED	Candela curves
 ∅19.6×13.4	PMMA	92%	15° 25° 45°*	RGB3030 RGB5050 imitation lumens	

20mm-T20-B	Material	Efficiency	Beam angle	LED	Candela curves
 ∅19.6×12.4	PMMA	92%	15° 25° 45°*	RGB3030 RGB5050 imitation lumens	




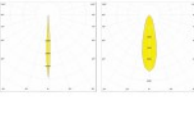
TW2835-S1	Material	Efficiency	Beam angle	LED	Candela curves
 ∅25.9×12.2×2.6 ∅22.5×10.3×1.5	PC/PMMA	93%	15X60°	3030 2835 3535	

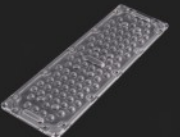


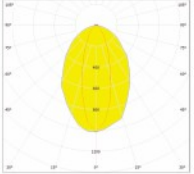
Freezer light stripe lens	Material	Efficiency	Beam angle	LED	Candela curves
 29.6×23.1×13.7	PC	90%	both sides 10X120°	 MANLUX  PHILIPS LUMILEDS  NICHIA  OSRAM 3030/3535	




Freezer light stripe lens	Material	Efficiency	Beam angle	LED	Candela curves
 29.3×18.5×10.2	PC	90%	both sides 10X80°	 MANLUX  PHILIPS LUMILEDS  NICHIA  OSRAM 3030/3535	

HBDTJA	Material	Efficiency	Uniformity	LED	Candela curves
 300×22×10.7	PC	90%	0.85	    3030/3535	

HBDTJB	Material	Efficiency	Uniformity	LED	Candela curves
 300×22×10.7	PC	90%	0.9	   3030/2835	

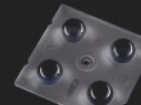




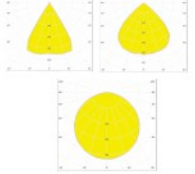
44mm3H1DB	Material	Efficiency	Beam angle	LED	Candela curves
 ∅43.8×9.5	PMMA	90%	10°* 15° 20° 30°	  XPE/XPE2	

LD-90H1-T70×30	Material	Efficiency	Beam angle	LED	Candela curves
 256.5×78.5×7.2	PC	93%	30X70°	    3030/2835	


XTD25270-TX	Material	Efficiency	Beam angle	LED	Candela curves
 252×70×8.9	PC	92%	30x70° 40x120°	    3030/2835	

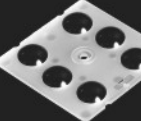




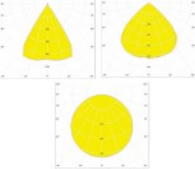
Outdoor and regional road lighting – 5050 series

LD5050-4H1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 49.8×49.8×7.5	PC	91%	30°	    5050	




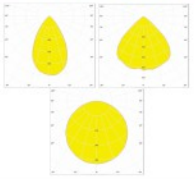
LD5050-4H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8×49.8×8.5	PC	93%	60° 90° 120°	    3030*4 /5050	

LD5050-4H1-TXM	Material	Efficiency	Type	LED	Candela curves
 49.8×49.8×7.0	PC	93%	T2M T3M T4M	    3030*4 /5050	

LD5050-6H1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 49.8×49.8×7.5	PC	91%	30°	    5050	







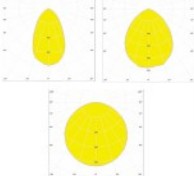
LD5050-6H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8×49.8×8.5	PC	93%	60° 90° 120°	    3030*4 /5050	

LD5050-61-TXM	Material	Efficiency	Type	LED	Candela curves
 49.8x49.8x7.0	PC	93%	T2M T3M T4M	    3030*4 /5050	

LD5050-12H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x5.6	PC	92%	60° 90° 120°	     3030/S5/ 2835/757	




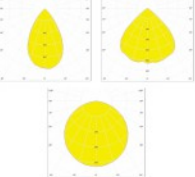
LD5050-8H1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x7.5	PC	91%	30°	     5050/S8/ NV4W144AM	







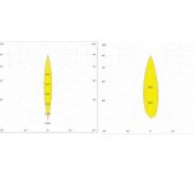
LD5050-12H1-TXM	Material	Efficiency	Type	LED	Candela curves
 49.8x49.8x4.6	PC	93%	T2M T3M T4M	     3030/S5/ 2835/757	

LD5050-8H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x6.6	PC	92%	60° 90° 120°	     5050/S8/ NV4W144AM	

LD5050-16H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x7.5	PC	91%	15° 30°	     3030/S5/ 2835/757	



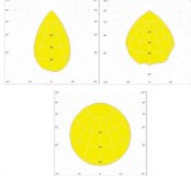
LD5050-8H1-TXM	Material	Efficiency	Type	LED	Candela curves
 49.8x49.8x5.1	PC	93%	T2M T3M T4M	     5050/S8/ NV4W144AM	

LD5050-16H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x5.6	PC	92%	60° 90° 120°	     3030/S5/ 2835/757	

LD5050-12H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x7.5	PC	91%	15°* 30°	     3030/S5/ 2835/757	

LD5050-16H1-TXM	Material	Efficiency	Type	LED	Candela curves
 49.8x49.8x4.6	PC	93%	T2M T3M T4M	     3030/S5/ 2835/757	

LD5050-24H1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 49.8×49.8×5.1	PC	92%	15°* 30°	 3030/S5/ 2835/757	

LD5050-24H1-TX	Material	Efficiency	Beam angle	LED	Candela curves
 49.8×49.8×4.2	PC	93%	60° 90° 120°	 3030/S5/ 2835/757	

LD5050-24H1-TXM	Material	Efficiency	Type	LED	Candela curves
 49.8×49.8×4	PC	94%	T2M T3M T4M	 3030/S5/ 2835/757	

Outdoor and regional road lighting – 5050 North America Series

LD5050-4H1-T2M-ITL	Material	Efficiency	Type	LED	Candela curves
 49.9×49.9×8.45	PMMA	93%	T2M	 5050	

LD5050-4H1-T2M-B	Material	Efficiency	Type	LED	Candela curves
 49.9×49.9×6.55	PC	93%	T2M	 5050	

LD5050-4C1-T2M-C-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9×49.9×6.7	PC	93%	T2M	 5050	

LD5050-0408C-T2M-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9×49.9×6.9	PC	93%	T2M	 5050	

LD5050-0409C-T2M-DQ	Material	Efficiency	Type	LED	Candela curves
 49.9×49.9×6.9	PC	93%	T2M	 5050	

LD5050-0410C-T3M-DQ	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T3M	    5050	

LD5050-0411C-T3M-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T3M	    5050	

LD5050-6C1-T1S	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x7.0	PC	93%	T1S	    5050	

LD5050-0619-T2S	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x7.0	PC	93%	T2S	    5050	

LD5050-0625-T3S	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.8	PC	93%	T3S	    5050	

LD5050-6C1-T2M-E-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T2M	    5050	

LD5050-6C1-T2M-DQ01	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T2M	    5050	

LD5050-6H1-T2M-C	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.6	PC	93%	T2M	    5050	

LD5050-6C1-T2M-C-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.7	PC	93%	T2M	    5050	

LD5050-6C1-T2M-D-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x7.0	PC	93%	T2M	    5050	

LD5050-6C1-T3M-B-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T3M	    5050	





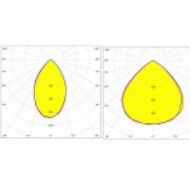
LD5050-0614-T5	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T5	    5050	

LD5050-8H1-T2M-C	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.6	PC	93%	T2M	    5050	

LD5050-8C1-T2M-C-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.7	PC	93%	T2M	    5050	

LD5050-8C1-T2M-E-FCO	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x6.9	PC	93%	T2M	    5050	

LD5050-0811-T90x150	Material	Efficiency	Beam angle	LED	Candela curves
 49.9x49.9x5.5	PC	93%	90x150°	    5050	

LD5050-0817-TXX-Zhaga	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90°	   3535	

LD5050-0819-T2S-ZG	Material	Efficiency	Beam angle	LED	Candela curves
	PMMA	93%	T2S	   3535	

LD5050-1001-T2M	Material	Efficiency	Type	LED	Candela curves
 50x50x6.1mm	PC	93%	T2M	    5050	

LD5050-1002-T3M	Material	Efficiency	Type	LED	Candela curves
 50x50x5.3mm	PC	93%	T3M	    5050	

LD5050-1212-T2M	Material	Efficiency	Type	LED	Candela curves
 50x50x5.5mm	PC	93%	T2M	    5050	

LD5050-12C1-TXX-B50	Material	Efficiency	Type	LED	Candela curves
 50x50x4.9mm	PC	93%	60° 90°	    5050	

LD5050-12C1-T2M-B	Material	Efficiency	Type	LED	Candela curves
 50x50x4.9mm	PC	93%	T2M	     3030/S5/ 2835/757	

LD5050-12C1-T3M-B	Material	Efficiency	Type	LED	Candela curves
 50x50x5.1mm	PC	93%	T3M	     3030/S5/ 2835/757	

LD5050-14H1-T2M	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x4.5	PC	93%	T2M	     3030/S5/ 2835/757	

LD5050-16C1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x7.5	PC	91%	30°	     3030/S5/ 2835/757	

LD5050-16C1-T60	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x5.6	PC	92%	60°	     3030/S5/ 2835/757	

LD5050-16C1-T90	Material	Efficiency	Beam angle	LED	Candela curves
 49.8x49.8x5.6	PC	92%	90°	     3030/S5/ 2835/757	

LD5050-16C1-T120	Material	Efficiency	Beam angle	LED	Candela curves
 49.9x49.9x6.9	PC	92%	120°	     3030/S5/ 2835/757	

LD5050-16C1-T2S	Material	Efficiency	Type	LED	Candela curves
 49.8x49.8x4.6	PC	93%	T2S	     3030/S5/ 2835/757	

LD5050-16C1-T3S	Material	Efficiency	Type	LED	Candela curves
 49.8X49.8X4.6	PC	93%	T3S	     3030/S5/ 2835/757	

LD5050-2413-T1M	Material	Efficiency	Type	LED	Candela curves
 49.9X49.9X4.0	PC	93%	T1M	     3030/S5/ 2835/757	

LD5050-16C1-T2M	Material	Efficiency	Type	LED	Candela curves
 49.8X49.8X4.8	PC	93%	T2M	     3030/S5/ 2835/757	

LD5050-24C1-T2M-B	Material	Efficiency	Type	LED	Candela curves
 49.9X49.9X4.4	PC	93%	T2M	     3030/S5/ 2835/757	

LD5050-16C1-T3M	Material	Efficiency	Type	LED	Candela curves
 49.8X49.8X5.0	PC	93%	T3M	     3030/S5/ 2835/757	





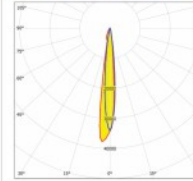




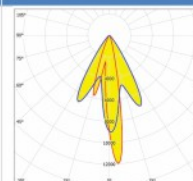





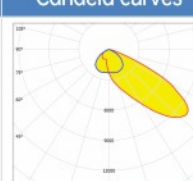






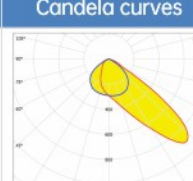






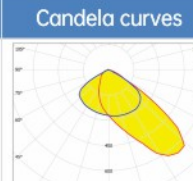
LD5050-24C1-T2M-E	Material	Efficiency	Type	LED	Candela curves
 49.9X49.9X4.4	PC	93%	T2M	     3030/S5/ 2835/757	

LD5050-16C1-T4M	Material	Efficiency	Type	LED	Candela curves
 49.8x49.8x4.4	PC	93%	T4M	     3030/S5/ 2835/757	






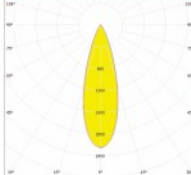





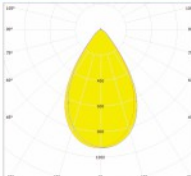





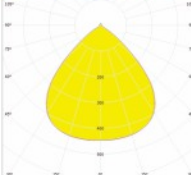





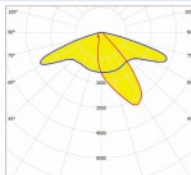





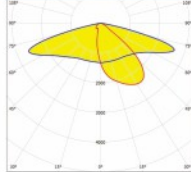
L207-1616-T5	Material	Efficiency	Type	LED	Candela curves
 49.8X49.8X4.5	PC	93%	T5	     3030/S5/ 2835/757	






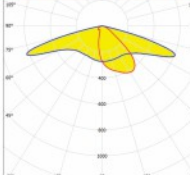





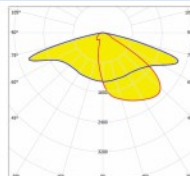





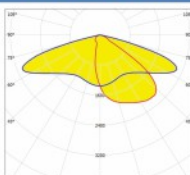




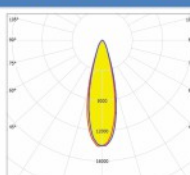




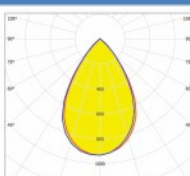
Outdoor and regional road lighting–5050 Stadium Light Series

LD5050-0412C-T4-DQ	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x8.0	PC	93%	T3VS	    5050	
 49.9x49.9x10.2	PC	93%	T3VS	    5050	
 49.9x49.9x9.7	PC	93%	T3VS	    5050	
 49.9x49.9x6.7	PC	93%	T3VS	    5050	
 49.9x49.9x15	PC	91%	7°	   3535	

QCD5050-0416-T1VS-A	Material	Efficiency	Type	LED	Candela curves
 49.9x49.9x13.5	PC	91%	T1VS	   3535	
 49.9x49.9x11.3	PC	91%	T1VS	   3535	
 49.9x49.9x7.5	PC	93%	T3VS	    5050	
 49.8x49.8x5.6	PC	92%	30X90°	     3030/S5/ 2835/757	
 49.8x49.8x5.6	PC	92%	50X120°	     3030/S5/ 2835/757	

Outdoor and regional road lighting–173 * 70–12H1/24H1 series

LD17371-12H1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 173x71	PC	93%	30°	    5050/S8	
 173x71	PC	93%	60°	    5050/S8	
 173x71	PC	94%	90°	    5050/S8	
 173x71	PC	93%	T2S	    5050/S8	
 173x71	PC	93%	T2M	    5050/S8	



LD17371-12H1-T2M	Material	Efficiency	Type	LED	Candela curves
 173x71	PC	93%	T2M	    5050/S8	
 173x71	PC	93%	T3M	    5050/S8	
 173x71	PC	93%	T3M	    5050/S8	
 173x71	PC	93%	30°	   3535	
 173x71	PC	93%	60°	   3535	

LD17371-24H1-T90-B	Material	Efficiency	Beam angle	LED	Candela curves
 173x71	PC	93%	90°	   3535	

LD17371-24H1-T4-B	Material	Efficiency	Type	LED	Candela curves
 173x71	PC	93%	T4S	    5050/S8	






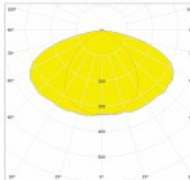
Outdoor and regional road lighting—256 * 78-90H1 series

LD90H1-T60	Material	Efficiency	Beam angle	LED	Candela curves
 256.5x78.5x7.4	PC	93%	60°	    3030/2835	

LD90H1-T90	Material	Efficiency	Beam angle	LED	Candela curves
 256.5x78.5x7.4	PC	93%	90°	    3030/2835	






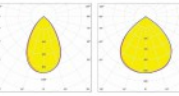





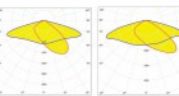





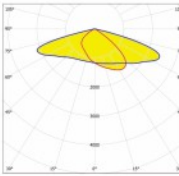





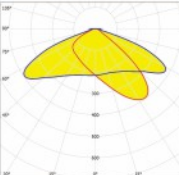





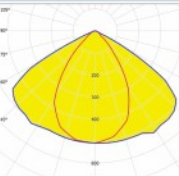
LD90H1-T120	Material	Efficiency	Beam angle	LED	Candela curves
 256.5x78.5x6.5	PC	93%	120°	    3030/2835	

LD90H1-T2M	Material	Efficiency	Type	LED	Candela curves
 256.5x78.5x6.4	PC	93%	T2M	    3030/2835	

LD90H1-T140x90	Material	Efficiency	Beam angle	LED	Candela curves
 256.5x78.5x6.4	PC	93%	90x140°	    3030/2835	

LD90H1-T120x60	Material	Efficiency	Beam angle	LED	Candela curves
 256.5x78.5x6.4	PC	93%	60X120°	    3030/2835	
LD90H1-T70x30	Material	Efficiency	Beam angle	LED	Candela curves
 256.5x78.5x7.2	PC	93%	30X70°	    3030/2835	

Outdoor and regional road lighting – 236 * 70 series

LD23670-64H1-TXX	Material	Efficiency	Beam angle	LED	Candela curves
 236x70x7.0	PC	93%	30° 60° 90°	    3030/2835	
LD23670-64H1-TXM	Material	Efficiency	Type	LED	Candela curves
 236x70x7.0	PC	93%	T2M T3M	    3030/2835	
LD23670-64H1-T2S	Material	Efficiency	Type	LED	Candela curves
 236x70x7.0	PC	93%	T2S	    3030/2835	
LD23670-64H1-T2S-A	Material	Efficiency	Type	LED	Candela curves
 236x70x7.0	PC	93%	T2S	    3030/2835	
LD23670-64H1-T70x120	Material	Efficiency	Beam Angle	LED	Candela curves
 236x70x7.0	PC	93%	70x120°	    3030/2835	


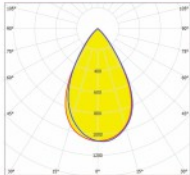
LD-23670-28H1-TXX	Material	Efficiency	Beam angle	LED	Candela curves
 236×70×9.5	PC	92%	30° 60° 90°		



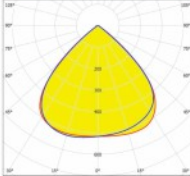
LD-23670-28H1-TXM	Material	Efficiency	Type	LED	Candela curves
 236×70×7.1	PC	93%	T2M T3M		



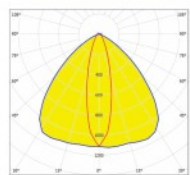
LD23670-28H1-T3VS	Material	Efficiency	Type	LED	Candela curves
 236×70×13.8	PC	93%	T3VS		

LD23670-28H1-T5	Material	Efficiency	Type	LED	Candela curves
 236×70×7.1	PC	93%	T5		


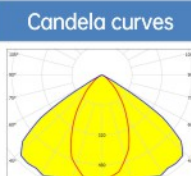
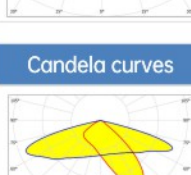
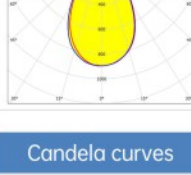
Outdoor and regional road lighting-234* 70-80H1 series

LD23470-80H1-T60	Material	Efficiency	Beam angle	LED	Candela curves
 234×70×6.9	PC	93%	60°		

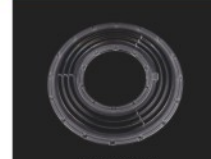

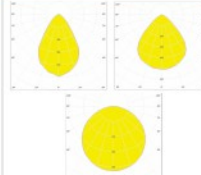


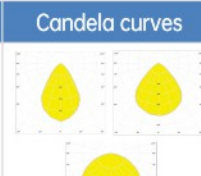


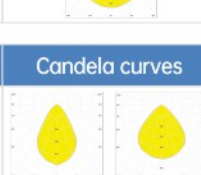


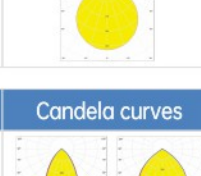


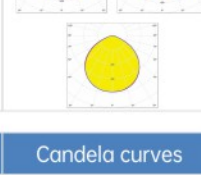
LD23470-80H1-T90	Material	Efficiency	Beam angle	LED	Candela curves
 234×70×6.9	PC	93%	90°		


LD23470-80H1-T30×90°	Material	Efficiency	Beam angle	LED	Candela curves
 234×70×7.4	PC	93%	30X90°		




Outdoor and regional road lighting—250*74 series



LD25074-56H1-T2M	Material	Efficiency	Type	LED	Candela curves
 250×74×6.5	PC	93%	T2M	 3030/2835	
 250×74×6.5	PC	93%	60×120°	 3030/2835	
 250×74×6.5	PC	93%	T2M	 3030/2835	
 250×74×6.5	PC	93%	60°	 3030/2835	
 250×74×6.5	PC	93%	90°	 3030/2835	





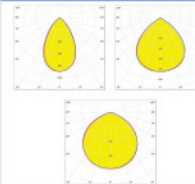
High Bay Lighting


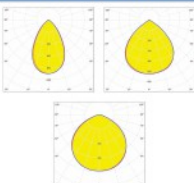
UFO255-100W-TX	Material	Efficiency	Beam angle	LED	Candela curves
 φ 255.9×8.0	PC	95%	60° 90° 120°	 3030/2835	
 φ 293.9×8.0	PC	95%	60° 90° 120°	 3030/2835	
 φ 343.9×8.0	PC	95%	60° 90° 120°	 3030/2835	
 φ 184×7.7	PC	93%	60° 90° 110°	 3030/2835	
 φ 184×9.8	PC	93%	60° 90° 120°	 3030/2835	




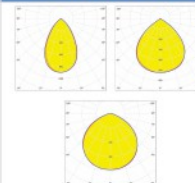
UFO184-B82	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60°* 90° 120°*	    3030/2835	

UFO265-B26	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 120°	    3030/2835	


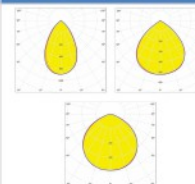
UFO226-K56	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 110°	    3030/2835	






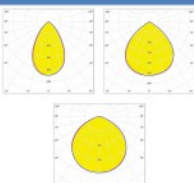
UFO265-B110	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60°* 90° 120°*	    3030/2835	





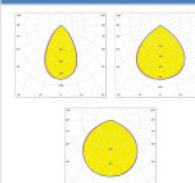
UFO226-B26	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 120°	    3030/2835	

UFO200-K70	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 110°	    3030/2835	


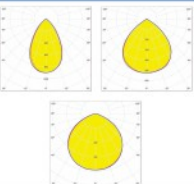
UFO226-B100	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60°* 90° 120°*	    3030/2835	






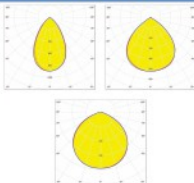
UFO233-K70	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 110°	    3030/2835	



UFO265-K56	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 110°	    3030/2835	

UFO233-B26	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	60° 90° 120°*	    3030/2835	

UFO263-K70	Material	Efficiency	Beam angle	LED	Candela curves
 φ 263×7.7	PC	93%	60° 90° 110°	    3030/2835	

UFO263-B26	Material	Efficiency	Beam angle	LED	Candela curves
 φ 263×10.3	PC	93%	60° 90° 120°*	    3030/2835	

UFO293-K70	Material	Efficiency	Beam angle	LED	Candela curves
 φ 293×7.7	PC	93%	60° 90° 120°*	    3030/2835	

UFO293-B26	Material	Efficiency	Beam angle	LED	Candela curves
 φ 293×10.3	PC	93%	60° 90° 120°*	    3030/2835	

UFO263-150W-T90	Material	Efficiency	Beam angle	LED	Candela curves
 φ 263×7.6	PC	93%	90°	    3030/2835	

Stadium Lighting

QCD520116-96H1-T15	Material	Efficiency	Beam angle	LED	Candela curves
 520×116×13.8	PC	92%	15°	   3535	

QCD520116-96H1-T20	Material	Efficiency	Beam angle	LED	Candela curves
 520×116×13.8	PC	92%	20°	   5050	

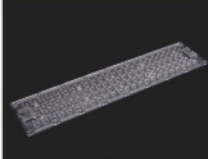


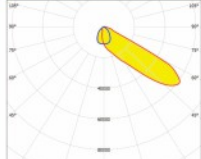
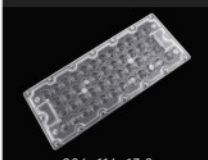


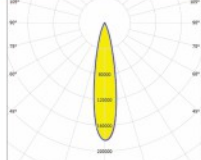



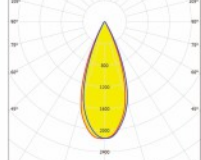
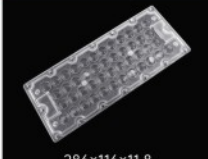


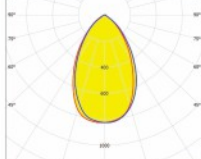



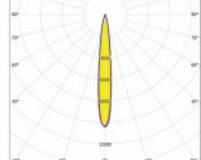
QCD520116-96H1-T40	Material	Efficiency	Beam angle	LED	Candela curves
 520×116×13.8	PC	92%	40°	   5050	

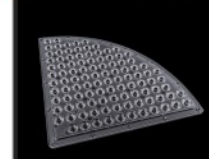


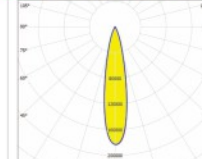
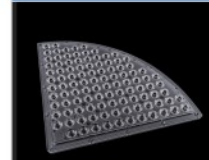

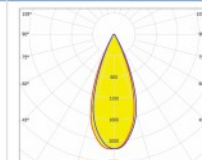
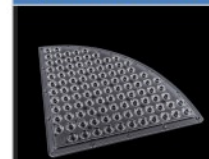


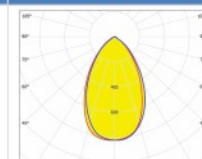
QCD520116-96H1-T60	Material	Efficiency	Beam angle	LED	Candela curves
 520×116×13.8	PC	92%	60°	   5050	

QCD520116-96H1-T90	Material	Efficiency	Beam angle	LED	Candela curves
 520×116×13.8	PC	93%	90°	   5050	

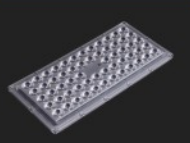




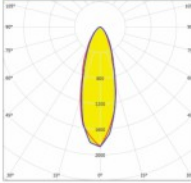





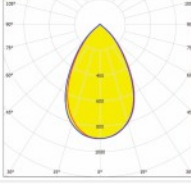





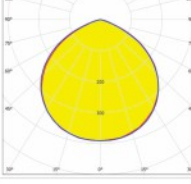
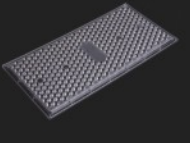




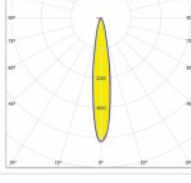





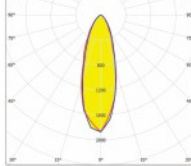
RCOOLA Optics Powered by MANLUX

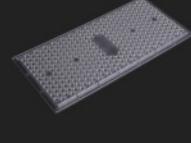




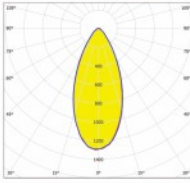
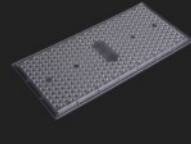




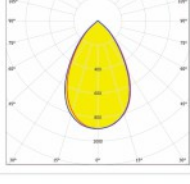





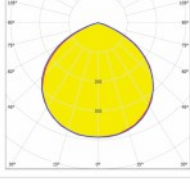
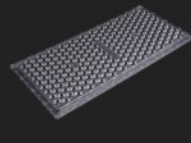




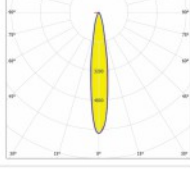
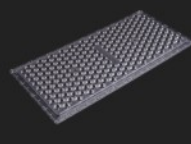




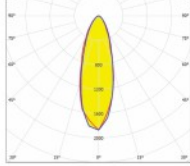
RCOOLA Optics Powered by MANLUX

QCD520116-96H1-T3VS	Material	Efficiency	Type	LED	Candela curves
 520×116×13.8	PC	93%	T3VS	  PHILIPS LUMILEDS 5050	
QCD286116-46H1-T20	Material	Efficiency	Beam angle	LED	Candela curves
 286×116×13.8	PC	93%	20°	  PHILIPS LUMILEDS 5050	
QCD286116-46H1-T40	Material	Efficiency	Beam angle	LED	Candela curves
 286×116×13.8	PC	93%	40°	  PHILIPS LUMILEDS 5050	
QCD286116-46H1-T60	Material	Efficiency	Beam angle	LED	Candela curves
 286×116×11.8	PC	93%	60°	  PHILIPS LUMILEDS 5050	
QCD220220-105H1-T15	Material	Efficiency	Beam angle	LED	Candela curves
 220×220×13.5	PC	92%	15°	 PHILIPS LUMILEDS  OSRAM 3535	


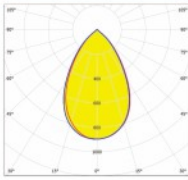
QCD220220-105H1-T20	Material	Efficiency	Beam angle	LED	Candela curves
 220×220×13.5	PC	92%	20°	  PHILIPS LUMILEDS 5050	
QCD220220-105H1-T40	Material	Efficiency	Beam angle	LED	Candela curves
 220×220×13.5	PC	92%	40°	  PHILIPS LUMILEDS 5050	
QCD220220-105H1-T60	Material	Efficiency	Beam angle	LED	Candela curves
 220×220×13.5	PC	92%	60°	  PHILIPS LUMILEDS 5050	

Stadium Lighting–Shoobox Light Series

XHD252119-58H1-T30	Material	Efficiency	Beam angle	LED	Candela curves
 252x119x11.9	PC	91%	30°	    5050	
 252x119x11.9	PC	91%	60°	    5050	
 252x119x11.9	PC	93%	120°	    5050	
 252x119x11.9	PC	91%	15°	    3030/2835	
 252x119x11.9	PC	91%	30°	    3030/2835	





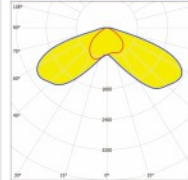
XHD360172-336H1-T45	Material	Efficiency	Beam angle	LED	Candela curves
	PC	91%	45°	    3030/2835	
	PC	91%	60°	    3030/2835	
	PC	93%	120°	    3030/2835	
	PC	91%	15°	    3535	
	PC	91%	30°	    5050	

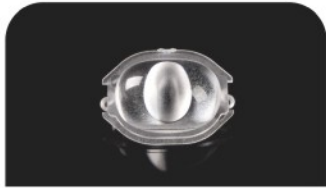
XHD481231-230H1-T40	Material	Efficiency	Beam angle	LED	Candela curves
	PC	91%	40°	    5050	

XHD481231-230H1-T60	Material	Efficiency	Beam angle	LED	Candela curves
	PC	91%	60°	    5050	

XHD481231-230H1-T120	Material	Efficiency	Beam angle	LED	Candela curves
	PC	93%	120°	    5050	

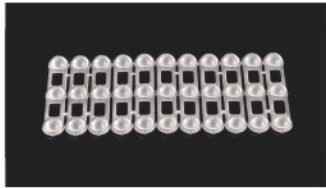
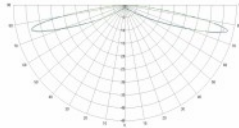
Silicone Lens-φ85-T90	Material	Efficiency	Beam angle	LED	Candela curves
 φ 85×17.2mm	silica gel	95%	90°	    COB	

Silicone Lens-φ85-T110×160	Material	Efficiency	Beam angle	LED	Candela curves
 φ 85×22.2mm	silica gel	95%	110×160°	    COB	



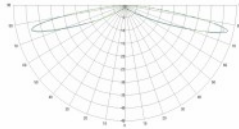
Peanut lens A

Dimensions: 13.2×8.7×4.4mm
Material: PC
Beam Angle: 170°
Transmittance: 88%
LED: 2835/3030



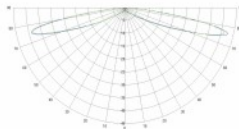
DX2835-3RG-11L

Dimensions: 107.5×47.7×4.1mm
Material: PC
Beam Angle: 170°
Transmittance: 88%
LED: 2835/3030



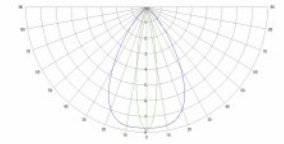
DX2835-3RH-20L

Dimensions: 237.6×53.7×4.4mm
Material: PC
Beam Angle: 170°
Transmittance: 88%
LED: 2835/3030



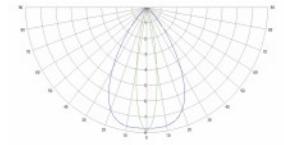
TW2835-S1

Dimensions: ϕ 22.5×10.3mm
Material: PMMA
Beam Angle: 20°×60°
Transmittance: 88%
LED: 2835/3030



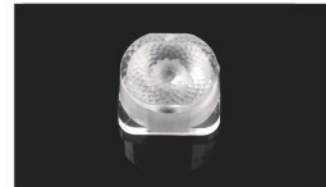
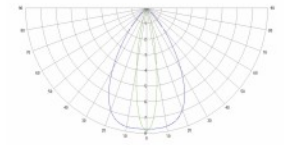
TW3535-B1

Dimensions: ϕ 29.5×12.3mm
Material: PMMA
Beam Angle: 20°×60°
Transmittance: 88%
LED: 2835/3030



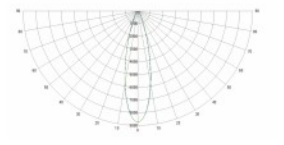
TW2835-N3

Dimensions: ϕ 25.9×12.2mm
Material: PMMA
Beam Angle: 20°×60°
Transmittance: 88%
LED: 2835/3030



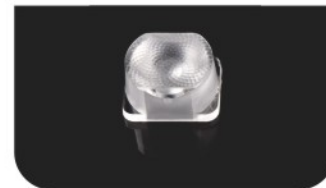
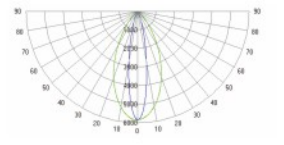
DB-1011-T30

Dimensions: 10×11×6.5mm
Material: PC/PMMA
Beam Angle: 30°
Transmittance: 88%
LED: 2835/3030



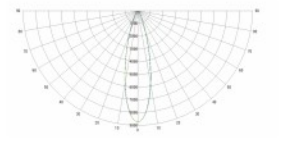
DB-1011-T25×40

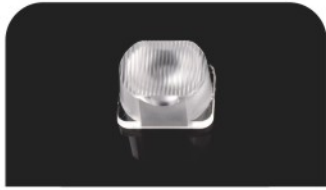
Dimensions: 10×11×6.5mm
Material: PC/PMMA
Beam Angle: 25°×40°
Transmittance: 88%
LED: 2835/3030



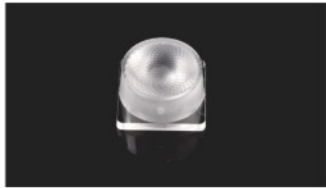
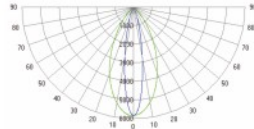
DB-1215-T25

Dimensions: 12×15×6.5mm
Material: PC/PMMA
Beam Angle: 25°
Transmittance: 88%
LED: 2835/3030

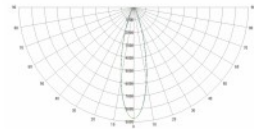




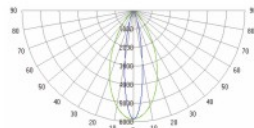
DB-1215-T25x40
 Dimensions: 12x15x6.5mm
 Material: PC/PMMA
 Beam Angle: 25°x40°
 Transmittance: 88%
 LED: 2835/3030



DB-1515-T25
 Dimensions: 15x15x6.5mm
 Material: PC/PMMA
 Beam Angle: 25°
 Transmittance: 88%
 LED: 2835/3030



DB-1515-T25x40
 Dimensions: 15x15x6.5mm
 Material: PC/PMMA
 Beam Angle: 25°x40°
 Transmittance: 88%
 LED: 2835/3030



Refractive



Reflective

They're widely used in TV backlights, panel lights, ceiling lamps, etc.





13TV-A01

Dimensions: $\Phi 13.5 \times 4.3 \times 1.8 \text{mm}$

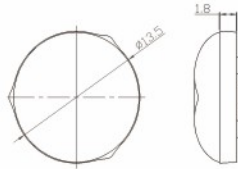
Material: PMMA

Beam Angle: 160°

ODvalue: 30mm

Transmittance: 93%

Adapt the light source LED: 3030/2835



13TV-A02

Dimensions: $\Phi 13.5 \times 4.3 \times 1.8 \text{mm}$

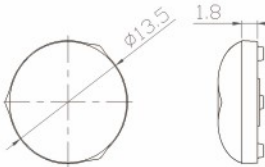
Material: PMMA

angle: 160°

ODvalue: 30mm

Light transmittance Transmittance:

Adapt the light source LED: 3030/2835



OD20-ABW01-A1

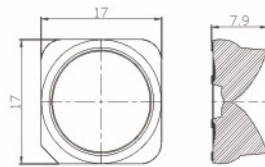
Dimensions: $17 \times 17 \times 7.9 \text{mm}$

Material: PMMA

ODvalue: 20mm

Transmittance: 93%

LED: 3030



OD20-AMW01-A1

Dimensions: $15 \times 15 \times 7.0 \text{mm}$

Material: PMMA

ODvalue: 20mm

Transmittance: 93%

LED: 3030

