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AV Series



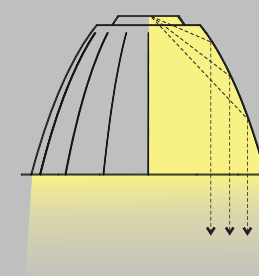
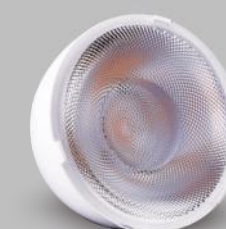
GJ Series



FA Series



KA Series



98%
Efficiency

HIGH EFFICIENCY
高光效照明





- 98%高反射率铝反光罩
- 高纯铝反光罩
- PC反光罩
- 透镜
- 硅胶透镜
- 支架

- 98% High Efficiency Reflector
- High-Purity Aluminum Reflector
- PC Reflector
- Lens
- Silicon Lens
- Holder



COMPANY PROFILES

Nata-日大于1998年成立，专注于高质量反射器和透镜的设计与制造，服务于全球知名照明品牌。我们拥有超过25年的行业经验，致力于提供卓越的产品与服务，并保持可持续发展。我们追求高效率、低眩光、照度均匀、退晕自然的光学设计理念，以提供理想的照明体验。

我们不断提升自身的技术与服务质量，确保满足客户的需求。产品包括98%高效率反光罩、高纯铝反光罩、PC反光罩及透镜。始终坚持「客户为先，质量为本，持续改进，追求卓越」的目标。我们的愿景是成为国际出色的光学解决方案供货商，以持续创新满足不断变化的市场需求。

Nata-was established in 1998, focusing on the design and manufacturing of high-quality reflectors and lenses, serving globally renowned lighting brands. With over 25 years of industry experience, we are dedicated to providing exceptional products and services while maintaining sustainable development. We pursue optical design principles that emphasize high efficiency, low glare, uniform illumination, and natural fading to provide the best lighting experience.

We continually enhance our technology and service quality to ensure that we meet our customers' needs. Our products include 98% high-efficiency reflectors, high-purity aluminum reflectors, PC reflectors, and lenses. We consistently uphold the goal of "Customer First, Quality First, Continuous Improvement, and Pursuit of Excellence." Our vision is to become an outstanding international provider of optical solutions, continuously innovating to meet the ever-changing market demands.

CERTIFICATE

国家高新技术企业证书 Certificate of National Hi-Tech Enterprise



ISO 9001:2015管理体系认证 ISO9001:2015 Management System



实用新型专利证书 Certificate of Utility Model Patents



APPLICATIONS

产品应用



COMMERCIAL LIGHTING
商业



STREET LIGHTING
街道



AREA LIGHTING
区域



PHOTOGRAPHY LIGHTING
摄影



AUTOMOTIVE LIGHTING
汽车



MUSEUM LIGHTING
博物馆



STAGE LIGHTING
舞台



Medical Lighting
医用

PRECISION TOOL DESIGN & MANUFACTURING

精密光学模具制造



沙迪克慢走丝机



精雕机



超精密纳米精雕机



线割

恒温恒湿模具加工车间，确保模具加工精度不受影响。

东芝超精密纳米级精雕机，一次性成型，加工精度可0.001mm，表面光洁度可达0.08 μm。

Constant temperature and humidity mold processing workshop to ensure the accuracy of mold processing.

Toshiba ultra-precision nano-scale engraving machine, the precision reaches up to 0.001 mm. Surface roughness can achieve 0.08 μm.

OPTIC INJECTION

光学注塑



东芝全电动注塑机



无尘包装车间

采用东芝全电动注塑机，达到透镜曲面精度一致性。

加工尺寸长至560mm左右。配置机械手，实现100%全自动生产。

Toshiba automatic injection machine to achieve high accuracy and consistency.

Equipped with robotic arms, 100% fully automated production. Production length approximately up to 560 mm.

REFLECTOR MANUFACTURE

反光罩制造



CNC



模具制造



自动旋压机



五金冲压机



油压机



真空镀膜

自动化旋压，完备的制造流程，满足客户高品质、快速定制的要求。

加工料片直径从30mm-1100mm尺寸范围，加工高度可达580mm。针对大量单一产品24小时不间断生产，确保产能充足且稳定。

Advance auto-spun technology, well organized production plan to fulfill fast delivery but good quality demand.

The processing sheet diameters range from 30 mm to 1100 mm, with a maximum processing height of 580 mm. For large-volume single product production, we operate continuously for 24 hours to ensure sufficient and stable capacity.

ANDOIZING

阳极处理

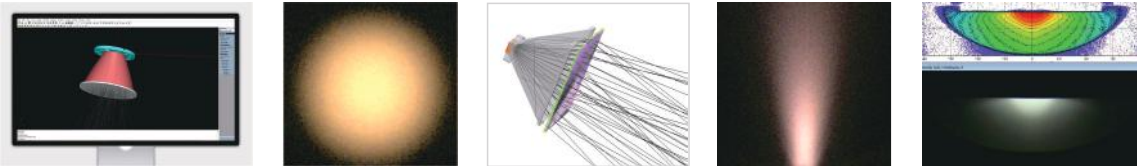


根据反光杯定制阳极氧化线，颜色控制精准，防腐耐候性强。根据光学需求能做5种常规铝本色和其他特殊染色件。环保无重金属原料生产。

Custom anodizing lines for reflectors to ensure precise color control and strong corrosion resistance. 5 standard aluminum colors and other special dyed components based on optical requirements. Production uses environmentally friendly raw materials free of heavy metals.

OPTICAL DESIGN

光学设计



我们的专业团队由资深光学工程师组成，具备深厚的光学原理、光路设计和光学模拟等核心技术。设计师能够准确应用光的传递、反射、折射和干涉等物理现象结合现场工艺经验进行设计。

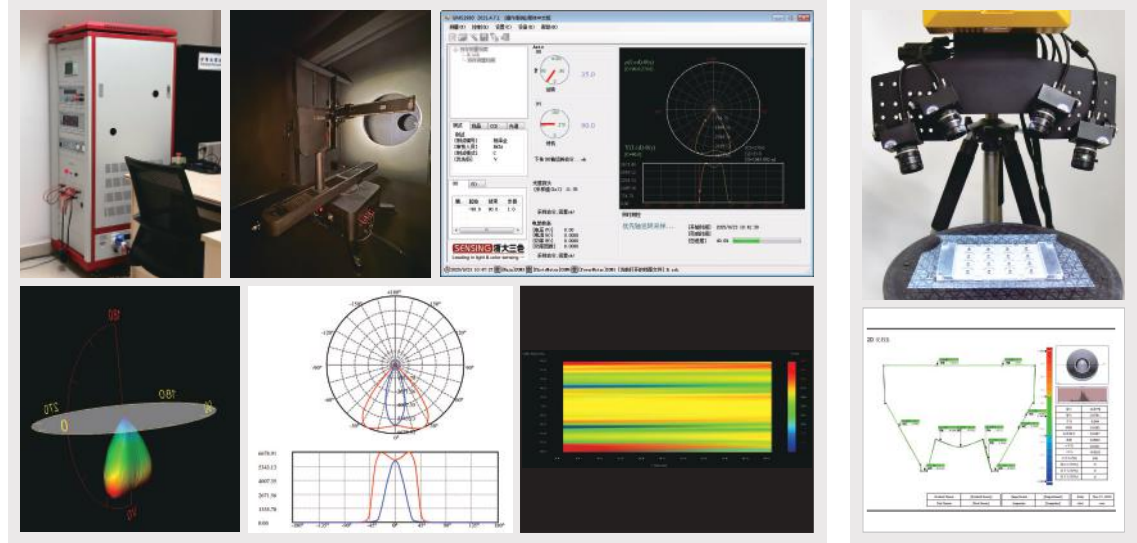
工程师结合光学原理与成型工艺经验，为各类应用场景提供量身定制的光学解决方案。通过精确的光学分析和模拟计算，预测和优化产品的光学效果，减少制作和测试次数，从而缩短开发周期和降低成本。

Our professional team consists of experienced optical engineers skilled in optical principles, design, and simulation. They effectively apply concepts such as light transmission, reflection, and refraction, integrating on-site experience into their designs.

Our engineers develop tailored optical solutions for various applications. Through precise analysis and simulations, we optimize product performance, reducing production cycles and costs.

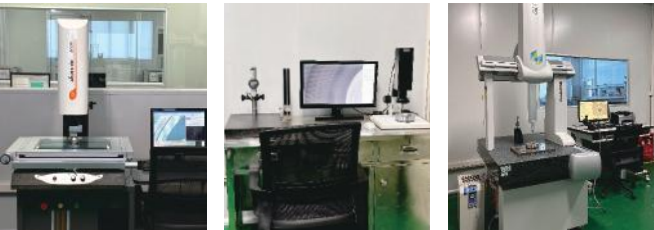
OPTICAL TEST

光学检测



我们拥有实验室级别的测试室，包括光学测试的分布式光度计、积分球，产品偏差测试的3维扫描仪、3坐标测量仪等。光学测试误差可达到1%以内。

Professional lab test devices : goniometer, integrated shepherd , 3D scanners for product accuracy testing, and 3 Coordinate Measuring Machine . The optical test deviation within 1%.



SUSTAINABLE AND SAFE

WORK ENVIRONMENT

可持续及安全的工作环境

通过废料回收、节能照明和废水循环利用，我们在减少资源浪费和环境影响方面做出了努力。安全管理确保了员工的安全与健康。

Through waste recycling, energy-efficient lighting, and wastewater reuse, we have made efforts to reduce resource waste and environmental impact. Safety management ensure the safety and health of our employees.

产品目录 PRODUCT CATALOGUE

铝反光罩 / AL REFLECTOR

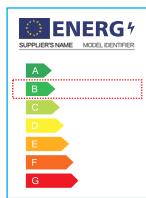
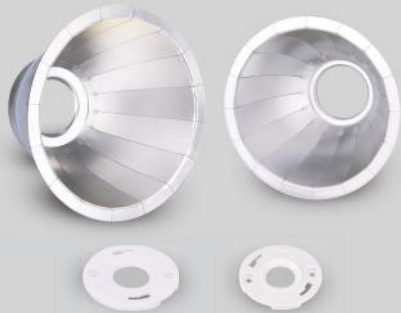
塑胶反光罩 / PC REFLECTOR

透镜 / LENS

高效照明 HIGH EFFICIENCY	GJ系列 98%高效率反光罩 GJ Series 98% High Efficiency Reflector		P.7
	AV系列 98%高效率反光罩 AV Series 98% High Efficiency Reflector		P.8
	FA系列 柔光反光罩 FA Series Soft Glow Reflector		P.9
	KA系列 高光效透镜系列 KA Series High Efficiency Lens		P.10
低眩光照明 LOW UGR	AU-G2系列 深筒反光罩 AU-G2 Series Deep Cone Reflector		P.11
	EW-G2系列 光斑优化反光罩 EW-G2 Series Optic Optimized Reflector		P.12
	BG系列 防眩筒灯反光罩 BG Series Low-Glare Downlight Reflector		P.13
	BQ系列 镜光反光罩 BQ Series Sunluma Reflector		P.13
	DV系列 360°低眩反光罩 DV Series 360°Low Glare PC Reflector		P.17
	BP系列 筒射灯防眩罩 BP Series Downlight / Spotlight Shade		P.16
	酒店筒射灯方案 Hotel Downlight / Spotlight Solution	FD系列 玲珑透镜系列 FD Series Crystal Clear COB Lens	P.14-15
		BN系列 柔光透镜系列 BN Series Soft Glow COB Lens	P.14-15
	DA系列 低眩光旋扣透镜 DA Series Low Glare Twist Lock Lens		P.17
洗墙照明照明 WALL WASHING	AU-G2系列 深筒反光罩 AU-G2 Series Deep Cone Reflector		P.11
	DV系列 360°低眩反光罩 DV Series 360°Low Glare PC Reflector		P.17
	FN系列 洗墙反光罩 FN Series Wall-Washer Reflector		P.18
	FD系列 玲珑透镜系列 FD Series Crystal Clear COB Lens		P.14-15
	BN系列 柔光透镜系列 BN Series Soft Glow COB Lens		P.14-15
	洗墙灯透镜系列 Wall Washer Lens Series		P.18
小角度照明 SPOT BEAM	手电筒系列 手电筒反光罩 Spot Beam Series Flashlight Reflector		P.19
	AH系列 小角度反光罩 AH Series Spot Beam Reflector		P.19
	FO系列 超窄角度COB反光罩 FO Series Spot Beam COB Reflector		P.20
	BV系列 超窄角度TIR透镜 BV Series Spot Beam TIR Lens		P.20
	CH系列 超窄角度COB透镜 CH Series Spot Beam COB Lens		P.20
线性照明照明 LINEAR	EM系列 低眩格栅线条灯反光罩 EM Series Low-Glare Grille Linear Reflector		P.22
	FM系列 阵列反射罩 FM Series Multi-Combination Reflector		P.23-24
	FK系列 线条灯反光罩 FK Series Linear PC Reflector		P.25
	FY系列 线性光学透镜组件 FY Series Linear Lens Module		P.21
	AW系列 线条灯透镜 AW Series Linear Lens		P.25
筒灯照明 DOWNLIGHT	BG系列 防眩筒灯反光罩 BG Series Low-Glare Downlight Reflector		P.13
	FW系列 天花筒灯系列 Recessed Downlight		P.26
	AB系列 筒灯反光罩 AB Series Downlight Reflector		P.27
	OM系列 一体式筒灯光罩 OM Series Integrated Downlight Reflector		P.28
	GS系列 光溯反光罩 GS Series Light Tracing Reflector		P.29
筒/射灯通用照明 DOWN LIGHT/SPOT LIGHT	AK系列 卡环衔接反光罩 AK Series Link Mount Reflector		P.30
	AR系列 旋扣反光罩 AR Series Twist Lock Reflector		P.31
	AQ系列 BJB 319反光罩 AQ Series BJB 319 Reflector		P.32
	AD系列 前环固定反光罩 AD Series Flange Fixation Reflector		P.32
	XCT系列 XCT 反光罩 XCT Series XCT Reflector		P.33
	BF系列 鱼鳞反光罩 Scale Reflector		P.34
	常规铝反光罩 General AL Reflector Series		P.35-37
	AF系列 光导反光罩 AF Series Light Pipe Reflector		P.39
	FG系列 PC反光罩 FG Series PC Reflector		P.33
	FJ系列 光导反光罩 FJ Series Light Pipe Reflector		P.38
	BK系列 商照射灯透镜系列 BK Series Commercial Lighting Lens Series		P.40
	COB 透镜系列 COB Lens Series		P.40
	BM系列 菲涅尔透镜 BM Series Fresnel Lens		P.41
混色照明 COLOR MIXING	AG系列 双色温反光罩 AG Series CCT Switchable Reflector		P.42
	洗墙灯透镜系列 Wall Washer Lighting Lens Series		P.18
	CC系列 混光透镜 Color Mixing Lens		P.41
特殊照明 SPECIAL LIGHTING	投光灯反光罩系列 Floodlight Reflector Series		P.43
	UV-C系列 辐照调控反光罩 UV-C Series Irradiance Control Reflector		P.43
街道照明 OUTDOOR	街灯&路灯透镜系列 Street Light Lens Series		P.44
工业照明 INDUSTRIAL	高棚灯反光罩系列 High Bay Reflector Series		P.46
	投光灯&高棚灯&工矿灯系列 Flood/Highbay/Lowbay Series		P.45

GJ Series

98% Satin Glow Reflector
98% 柔砂反光罩



提升高能效等级
Achieve higher energy
efficiency classes

- 柔砂混光无黄斑，目视不刺眼。
- 高达98%出光效率，比传统反光罩提升 5%– 8%。
- 2种便捷安装结构：A版自锁旋扣/B版居中限位。
- 遵循ZHAGA理念，可与KA、AV系列1:1互换。
- Achieves an output efficiency of up to 98%, improving upon traditional reflectors by 5% to 8%.
- Utilizes high-reflectivity frosted materials for high efficiency and a soft metallic finish.
- Housing version allows for secure locking; housing-free version employs a bottom limiting design for accurate positioning.
- Both designs significantly enhance installation convenience.
- Adheres to Zhaga principles with a modular design, enabling 1:1 interchangeability with the KA and AV series.

GJ - A	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
1-1754-LM	45	18	21	15°	PHILIPS SLM C 1203 L09 1313 LES 9.0	92.70.427.00 BJB 47.360.1025
1-1755-LM				24°		
1-1756-LM				38°		
1-1757-LM				60°		
1-1758-LM	50	23.5	21.6	15°	LUMINUS CXM-11 LES 11	92.70.494.00 BJB 47.360.1010
1-1759-LM				24°		
1-1760-LM				38°		
1-1761-LM				60°		
2-3110-LM	65		34	15°	PHILIPS SLM C 1208 L15 1208 LES 15	92.70.412.00 BJB 47.360.5010
2-3111-LM				24°		
2-3112-LM				38°		
2-3113-LM				60°		
2-3114-LM	69		35	15°		
2-3115-LM				24°		
2-3116-LM				38°		
2-3117-LM				60°		
2-2887-L2	75	25	43	15°	CITIZEN CLU038 LES 14. 5	
2-2870-L2				24°		
2-2873-L2				38°		
2-2890-L2				60°		
3-2927-LM2	85		51	15°		
3-2912-LM2				24°		
3-2915-LM3				35°		
3-2924-LM2				60°		
3-2930-LM3	92		49	12°		
3-2918-LM3				24°		
3-2921-LM3				38°		
3-2947-LM3				60°		

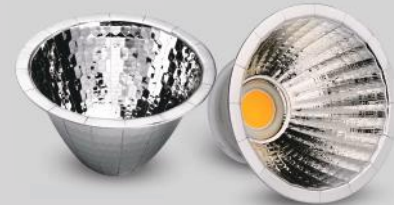
应用场景
零售、店铺、展览空间、办公室。

Application
Retail, Shops, Exhibition Area, Office.

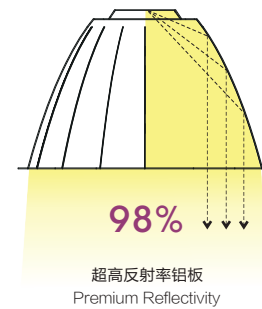
GJ – B	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
1-1723-LM	45	18	21	15°	PHILIPS SLM C 1203 L09 1313 LES 9.0	92.70.481.00
1-1725-LM				24°		
1-1727-LM				38°		
1-1729-LM				60°		
1-1703-LM	50		21.6	15°	LUMINUS CXM-11 LES 11	92.70.121.00
1-1704-LM				24°		
1-1705-LM				38°		
1-1706-LM				60°		
2-2987-LM	63		39	16°	CITIZEN CLU038 LES 14.5	
2-2988-LM				28°		
2-2989-LM				45°		
2-2990-LM				60°		
2-3024-LM	65		34	15°	PHILIPS SLM C 1208 L15 1208 LES 15	
2-3025-LM				24°		
2-3026-LM				38°		
2-3027-LM				60°		
2-3031-LM	69		35	18°		
2-3033-LM				24°		
2-3035-LM				38°		
2-3037-LM				60°		
2-3003-LM	69	23		18°		
2-3004-LM				25°		
2-3005-LM				36°		
2-3006-LM				60°		
2-2968-LM2	75		43	15°	CITIZEN CLU038 LES 14. 5	
2-2969-LM2				24°		
2-2062-LM7				38°		
2-2970-LM2				60°		
3-2957-LM2	85		51	15°		
3-2954-LM3				24°		
3-2384-LM6				38°		
3-2958-LM2				60°		
3-2959-LM2	92		49	15°		
3-2962-LM2				24°		
3-2963-LM2				38°		
3-2964-LM2				60°		

AV Series

98% High Efficiency Reflector
98% 高光效反光罩



98% Efficiency



- 较普通旋压反光罩，出光效率提升5-8%。
 - 有助于实现更高的灯具能效等级。
 - 高端灯具首选的反光罩。
-
- Efficiency increased 5-8% compared with traditional spun reflector.
 - Helps to achieve higher luminaire energy efficiency rating.
 - First choice for high-end Luminaire.

AV - A	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	
1-1762-LM	45	18	21	19°	PHILIPS SLM C 1203 L09 1313 LES 9.0	92.70.427.00 BJB 47.360.1025	
1-1763-LM				24°			
1-1764-LM				38°			
1-1765-LM				60°			
1-1766-LM	50	23.5	21.6	18°	LUMINUS CXM-11 LES 11	92.70.494.00 BJB 47.360.1010	
1-1767-LM				24°			
1-1768-LM				38°			
1-1769-LM				24			60°
2-3118-LM	65	25	34	15°	PHILIPS SLM C 1208 L15 1208 LES 15	92.70.412.00 BJB 47.360.5010	
2-3119-LM				24°			
2-3120-LM				38°			
2-3121-LM				60°			
2-3122-LM	69		35	15°			
2-3123-LM				24°			
2-3124-LM				38°			
2-3125-LM				60°			
2-2904-LM3	75	43	15°				
2-2906-LM2			25°				
2-3085-LM2			38°				
2-2908-LM2			55°				
3-2992-LM	85	51	51	15°	CITIZEN CLU038 LES 14. 5		
3-2993-LM				24°			
3-2994-LM				38°			
3-2995-LM				15°			
3-2996-LM	92	49	49	24°			
3-2997-LM				38°			
3-2998-LM				43°			
3-2999-LM				60°			

应用场景
零售、店铺、展览空间、办公室。

Application
Retail, Shops, Exhibition Area, Office.

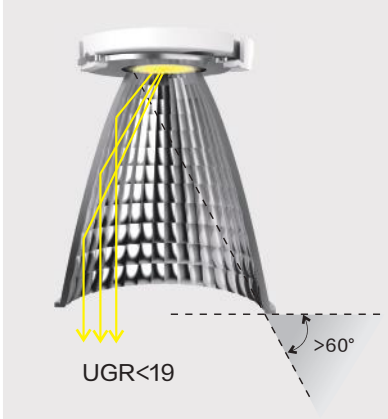


AU-G2 Series

Deep Cone Reflector

深筒反光罩

创新专利产品
Innovative patent



UGR<19

AL

AU系列铝反光罩的深筒的结构提高了副光斑的光线利用率，大大改善反光罩的副光斑黑圈、中心亮光、亮圈等问题。

The deep cone structure of the AU series aluminum reflector enhance the light utilization rate of the light field. Greatly improves the dark circle, center bright spot and light ring issues of general reflectors.

• 深防眩设计杯高度口径比1:1，防眩角>60°，UGR小于19。

• 高中心光强，较常规铝杯高10%-15%。

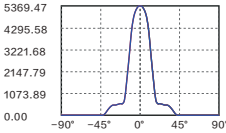
• 光斑无分层无暗区。

• Best optical ratio of OD vs H 1:1, anti-glare angle >60° .

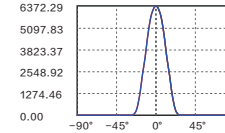
• UGR<19.

• Center light utilization increase 10~15%.

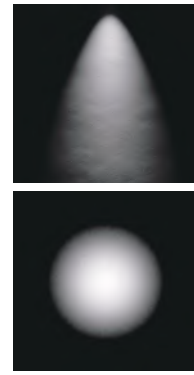
• The spot has no delamination and no dark area.



一般反光罩的配光图
General Reflector Light Distribution



AU 反光罩配光图
AU Reflector Light Distribution



CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER	METAL ADAPTAR	COMPATIBLE LIGHT SOURCE			
1-0922-M	35	7	29.4	16°	LUMINUS 1202s LES 6.0	99.02.73.174	92.76.853.00	HOLDER: 92.70.123.00	HOLDER: 99.02.73.174	HOLDER: 92.70.125.00	
1-0923-M		7.2		25°				• BRIDGELUX V6HD	• LUMILEDS 1202S	• LUMILEDS 1202S	
1-0924-M				34°				• LUMINUS CXM-6-AC40	• NICHIA NTCWS024B-V3	• NICHIA NTCWS024B-V3	
1-0918-M	45	9.8	45.7	18°	LUMINUS CXM-9-AC40 LES 9.8	99.02.73.171	92.76.853.00	HOLDER: 99.02.73.171	HOLDER: 92.70.124.00	HOLDER: 99.02.73.174	
1-0919-M		10		24°				• BRIDGELUX V10B	• CITIZEN CLU028	• LUMILEDS 1202s	
1-0920-M		9.8		33°				• CITIZEN CLU028	• LUMINUS CXM-9-AC40	• NICHIA NTCWS024B-V3	
1-0926-M	50	9.9	55.7	24°	LUMINUS CXM-14-AC40 LES 14.5	92.70.131.00	—	• SAMSUNG LC009D	• TRIDONIC SLE G7 9MM	HOLDER: 92.70.127.00	
1-0927-M				33°				HOLDER: 92.70.132.00	• BRIDGELUX V10B	• CREE CXA1507	
1-0928-M				33°				• LUMILEDS 1203	• PHILIPS 1201 / 1202 / 1203 / 1204	• LUMINUS CLM-9-AA40	
2-2076-M	70	14.5	75.5	16°	CITIZEN CLU038 LES 14.5	92.70.131.00	—	HOLDER: 99.02.73.175	HOLDER: 99.02.73.179	HOLDER: GREEN GEMS GH27D-B35	
2-2077-M		15	75.1	24°				• LUMILEDS 1203	• CREE CXA1507/CXA1512/CXA1516	• LUMILEDS CXM-9	
2-2078-M				34°				• NICHIA NFCWL036B-V2	• BRIDGELUX C10-(30C2000C)	• LUMILEDS 1203	
2-2186-M	75	14.5	69.2	18°	LUMINUS CXM-14-AC40 LES 14.5	92.70.131.00	—	HOLDER: 92.70.131.00	HOLDER: 92.70.129.00	HOLDER: 92.70.129.00	
2-2187-M		15	75.1	36°				• TRIDONIC SLE G7 15MM	• CITIZEN CLU038	• CREE CXA1830	
2-2188-M				25°				• BRIDGELUX V13B	• OSRAM OPTO SOLERIQ S15	• CREE CXA1830	
1-1005-M	45	9.8	45.7	24°	CITIZEN CLU028 LES 9.8	47.360.1020	—	HOLDER: GREEN GEMS GH36D-B40			
1-1006-M		9.9	55.7	16°				HOLDER: 92.70.131.00	• BRIDGELUX V10B	HOLDER: 92.70.277.00	
1-1007-M				34°				• TRIDONIC SLE G7 9MM	• PHILIPS 1201 / 1202 / 1203 / 1204	• CREE CXA1512	
1-1008-M	50	9.9	55.7	16°	CITIZEN CLU028 LES 9.8	47.360.1020	—	HOLDER: GREEN GEMS GH27D-B35		HOLDER: BJB 47.360.1110	
1-1009-M		15	75.1	24°				• LUMILEDS CXM-9		• LUMILEDS 1203	
1-1010-M				34°							
2-2135-M	70	14.5	75.5	16°	CITIZEN CLU038 LES 14.5	47.360.1010	—	HOLDER: 92.70.131.00	HOLDER: 92.70.129.00	HOLDER: 92.70.277.00	
2-2136-M		15	75.1	24°				• TRIDONIC SLE G7 15MM	• LUMINUS CXM-14-AC40	• CREE CXA1512	
2-2137-M				34°							
2-2183-M	70	14.5	75.5	18°	LUMILEDS 1208 LES 15	47.360.5080	—	HOLDER: BJ B47.360.5080	HOLDER: 92.70.278.00	HOLDER: 92.70.278.00	
2-2184-M		15	75.1	24°				• LUMILEDS 1205	• NICHIA NFCWJ108B-V3 / NFCWJ120B-V3	• CREE CXA 1830	
2-2185-M				34°							
2-2162-M	75	14.5	69.2	18°	LUMILEDS 1208 LES 15	47.360.5080	—	HOLDER: BJ B47.360.5080	HOLDER: 92.70.278.00	HOLDER: 92.70.278.00	
2-2164-M		15	75.1	25°				• LUMILEDS 1205	• CREE CXA 1830	• CREE CXA 1830	
2-2166-M				36°				• NICHIA NFDWJ130B-V3 / NFCWJ108B-V3 / NFCWJ120B-V3			
2-2180-M	75	14.5	69.2	18°	LUMINUS CXM-14-AC40 LES 14.5	47.360.1010	—	HOLDER: 92.70.131.00	HOLDER: 92.70.278.00	HOLDER: 92.70.278.00	
2-2181-M		15	75.1	25°				• LUMILEDS 1205	• CREE CXA 1830	• CREE CXA 1830	
2-2182-M				36°				• NICHIA NFDWJ130B-V3 / NFCWJ108B-V3 / NFCWJ120B-V3			

模块化接口设计
Modular Interface

应用场景
零售、店铺、展览空间、办公室。

Application
Retail, Shops, Exhibition Area, Office.

EW-G2 Series

Optic Optimized Reflector

光斑优化反光罩

创新专利产品
Innovative patent



AL

• 高纯铝制作，高效，高耐温。

• 可搭配专用光学优化镜片，兼容匀光与低目视眩光。

• 尺寸、角度齐全，搭配ZHAGA光源支架。

• 与FA ,BQ系列1:1互换。

• Made of high-purity aluminum, featuring high efficiency and excellent high-temperature resistance.

• Compatible with dedicated optically optimized lenses, supporting both uniform light distribution and low visual glare.

• Available in a complete range of sizes and angles, and compatible with ZHAGA light source brackets.

• 1:1 interchangeable with FA and BQ series.

MIX LENS:

混光型镜片确保光斑平滑过渡，同时控制目视眩光和提升光输出效率。
Ensures a smooth transition of the light spot, while controlling visual glare and enhance light output efficiency.

SPO LENS:

聚光型镜片优化了光斑外围的色散问题，使光斑更加集中。
Optimizes the chromatic aberration at the edge of the light spot, resulting in a more concentrated light spot.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	SPO LENS	MIX LENS	HOLDER
1-1484-L	35	14	23	17°	CITIZEN CLU701 LES 6.0	92.70.378.00	92.70.395.00	92.70.427.00 BJB 47.360.1020
1-1485-L				24°				
1-1486-L				36°				
1-1487-L				45°				
1-1488-L	45	14.4	30.8	18°	CITIZEN CLU028 LES 9.8	92.70.363.00	92.70.396.00	92.70.427.00 BJB 47.360.1020 Green Gems GH36D-B40
1-1489-L				24°				
1-1490-L				36°				
1-1491-L				45°				
1-1492-L	50	14.3	32	18°	CITIZEN CLU028 LES 9.8	92.70.364.00	92.70.397.00	92.70.427.00 BJB 47.360.1020 Green Gems GH36D-B40
1-1493-L				24°				
1-1494-L				36°				
1-1495-L				45°				
2-2678-L	63	21.2	39	18°	LUMILEDS 1205 LES 13	92.70.379.00	92.70.400.00	92.70.411.00 BJB 47.360.5080 Green Gems GH36D-B40
2-2679-L				24°				
2-2680-L				36°				
2-2681-L				45°				
2-2682-L	69	21.1	43	18°	CITIZEN CLU038 LES 14.5	92.70.380.00	92.70.401.00	92.70.412.00 BJB 47.360.5010 Green Gems GH36D-B40
2-2683-L				24°				
2-2684-L				36°				
2-2685-L				45°				
2-2686-L	75	21.5	50.5	18°	CITIZEN CLU038 LES 14.5	92.70.365.00	92.70.398.00	92.70.412.00 BJB 47.360.5010 Green Gems GH36D-B40
2-2687-L				24°				
2-2688-L				36°				
2-2689-L				45°				
3-2805-L	85	21.3	56.5	18°	CITIZEN CLU038 LES 14.5	92.70.279.00	92.70.402.00	92.70.412.00 BJB 47.360.5010 Green Gems GH36D-B40
3-2806-L				24°				
3-2807-L				36°				
3-2808-L				45°				
3-2832-L	95	24.6	63.1	18°	CITIZEN CLU038 LES 14.5	92.70.280.00	92.70.403.00	92.70.412.00 BJB 47.360.5010 Green Gems GH36D-B40
3-2833-L				24°				
3-2834-L				36°				
3-2835-L				45°				

模块化接口设计
Modular Interface

应用场景
零售、店铺、展览空间、办公室。

Application
Retail, Shops, Exhibition Area, Office.

11 REFLECTOR · LENS · OPTIC DESIGN

NATA OPTICS WWW.NATA.CN 12

BQ Series

Sunluma Reflector
镜光反光罩



PC

- 真空电镀，纯净镜面光学纹理。
- 可搭配专用光学优化镜片。
- 光斑过渡均匀，无明显分层。
- 尺寸，角度齐全，搭配ZHAGA光源支架。
- 与FA，EW-G2可1:1互换。
- Mirror facets reflector with vacuum-metallized finish.
- Optical lens cover enhances light control and uniformity.
- Compatible with Zhaga-compliant holder.
- Smooth and uniform beam transition.
- Seamlessly interchangeable with FA and EW-G2 series.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
1-1668-S	35	8	25	15°	CITIZEN CLU703 LES 6.0	BJB 47.360.1020 92.70.492.00
1-1669-S				24°		
1-1670-S				36°		
1-1671-S				50°		
1-1672-S				30°		
1-1673-S				38°		
1-1674-S				50°		
1-1675-S	45	11.7	32.3	19°	CITIZEN CLU028 LES 9.8	
1-1676-S				24°		
1-1677-S				36°		
1-1678-S				50°		
1-1679-S	50		33.5	18°		
1-1680-S				24°		
1-1681-S				36°		
1-1682-S		50°				
2-3065-S	63	23	38.9	18°	CREE CXA1820 LES 12	BJB 47.360.1040 92.70.493.00
2-3066-S				24°		
2-3067-S				36°		
2-3068-S				50°		
2-3069-S	69	24	43	18°	CITIZEN CLU038 LES 15	BJB 47.360.1010 92.70.494.00
2-3070-S				24°		
2-3071-S				36°		
2-3072-S				50°		
2-3063-S	75	24	50.5	18°		
2-3064-S				24°		
2-3065-S				36°		
2-3066-S				50°		

应用场景Application

商业照明、服装店、商超、零售店。Commercial Lighting, Clothing Store, Supermarket, Retail Store.

BG Series

Low-glare Downlight Reflector
防眩筒灯反光罩



AL

- 超强混光能力，光斑均匀，UGR<19，防眩保护角>38°。
- 高筒高深藏光，双层防眩结构，防眩与反光杯一体化。
- 搭配双色SMD光源光学方案，2700k -6500k 无级调光，灵活多变。
- 旋扣装配方式，简单便捷。
- Super light mixing ability, uniform spot, UGR<19, anti-glare protection angle>38°。
- High tube and deep hidden light, double anti-glare structure, anti-glare and reflective cup integration.
- 2700k-6500k SMD light source, flexible and changeable.
- Twist-lock assembly.

CODE	D	D1	H	FWHM	LIGHT SOURCE	LENS
3-2403-A	83	35	61.7	55°	LUMILEDS 3030 2D(ROUND LES) LES 3.0	92.70.230.00
4-2449-A	110	35	71.7	55°		92.70.231.00
5-1134-A	139	57	91.2	55°		
7-0705-A	189	57	111.2	55°		

应用场景Application

走廊、办公室、家居。Corridor, Office, House.

FD Series

Crystal Clear COB Lens
玲珑透镜系列



PMMA

- 主光斑明亮清晰，余光均匀过渡。
- 搭配防眩罩使用，边界轮廓分明，有效降低眩光。

- Bright and clear main beam with uniform peripheral light transition.
- Achieves a defined edge and reduced glare with anti-glare shield.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
61-0166	28	12.2	14.5	15°	LUMINUS CXM-3 LES 3.2	92.70.307.00
61-0168		9.9		24°		
61-0170		10.7		36°		
61-0172	35	12.8	17.5	15°	LUMINUS CXM-4 LES 4.5	
61-0174		12		24°		
61-0176		12.4		36°		
61-0200	45	14.9	21	15°	LUMINUS CXM-6 LES 6	92.70.427.00 BJB 47.360.1020
61-0202				24°		
61-0204		16		36°		
61-0236	50	17	23.6	15°		
61-0238				24°		
61-0240				36°		

BN Series

Soft Glow COB Lens
柔光透镜系列



PC

- 主光斑圆而聚，余光受控少外溢。
- 搭配防眩罩，成就极净光斑与极低眩光。

- Features a round and focused main beam with minimal spill light.
- Delivers an exceptionally clean spot and ultra-low glare when paired with anti-glare shield.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
61-0265	28	11.6	14	24°	LUMINUS CXM-4 LES 4.5	92.70.458.00
61-0267				36°		
61-0233	35	14.5	17	24°	CITIZEN CLU703 LES 6.0	92.70.427.00
61-0250				36°		
61-0257	45	19.7	21	24°	LUMINUS CXM-9 LES 9.8	92.70.427.00 BJB 47.360.1020
61-0259				36°		
61-0261	50	14.9	21	24°		
61-0263				36°		

模块化接口设计
Modular Interface



应用场景

零售、店铺、展览空间、办公室。

Application

Retail, Shops, Exhibition Area, Office.





- 直照与洗墙自由切换，保持良好光型。
- 多重防眩设计，遮光角 >40°，UGR <9。
- 兼容双色温光源。

- Switch between direct lighting and wall washing while maintaining an excellent light spot.
- Multi-layer anti-glare design with a shielding angle > 40° and UGR < 9.
- Compatible with dual color temperature light sources.



应用场景

酒店洗墙、家居照明、餐饮、会所等场景。

Application

Hotel ,Residential Lighting ,Catering ,Club House.

调节洗墙式 Wall-Washer Adjustable

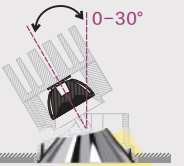






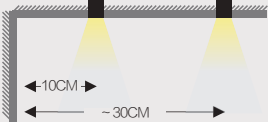
FD Series

- 小山丘边缘截止清晰。
- Clean hill-shape at edge.



BN Series

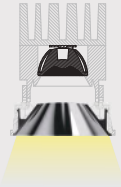
- 小山丘边缘柔和过渡，光斑大小可分。
- Soft transition at the hill edge, with minimal spill for distinguishable spot size.

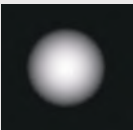


防眩罩 Shade		透镜 Lens
D	CODE	
D50 Ø : 50 H : 16	1-1050-S	FD / BN_D28 Series
D70 Ø : 70 H : 24.2	2-2226-S	FD / BN_D35 Series
D90 Ø : 90 H : 26.2	3-2857-S	FD / BN_D45 、 50 Series

洗墙摆角0~30°内
Wall Washer Tilt Angle: Within 0~30°

直照式 Direct Illumination







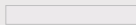
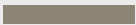
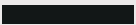




防眩罩 Shade		透镜 Lens
D	CODE	
D50 Ø : 50 H : 16	1-1049-S 1-1047-S 1-1048-S	FD_D28 Series BN_D28 Series DA_D28 Series

防眩罩 Shade		透镜 Lens	铝反光罩 AL Reflector	PC 反光罩 PC Reflector
D	CODE			
D70 Ø : 70 H : 24.2	2-2225-S 2-2223-S 2-2224-S	FD_D35 Series BN_D35 Series DA_D35 Series	AU-G2_D35 Series EW-G2_D35 Series FA-A_D35 Series	DV_D35 Series

Shield Color Chart / 防眩罩颜色

							
V0101 亮银	V0601 香槟金	V0603 玫瑰金	V0501 酒红色	V0801 卡其色	V0404 枪色	S0401 黑色	K0401 磨砂黑
L a b	L a b	L a b	L a b	L a b	L a b	L a b	L a b
93 -1 -1	84.22 10.1 66.85	59.19 47.86 52.6	49.6 58.1 15.82	56.92 1.44 11.02	31.08 -1.88 1.39	23.06 -0.09 -0.057	24.59 -0.16 -1.20

BP Series

Downlight / Spotlight Shield 筒射灯防眩罩



PC



- 多色可选，可定制颜色。
- 降低目视眩光，UGR < 10。
- 专用设计光学弧面，光斑无分层。
- 可搭配BN、FD、KA、DA、FA、EW-G2等系列。

- Color can be customized.
- UGR<10.
- Specialized optical curved surface design, no light spot stratification.
- Compatible with BN,FD..... series.

SHIELD CODE	D	D1	H	搭配二次光规格 Lens / Reflector Dia	可选搭配产品系列 Compatible Series	SHIELD COLORS
1-1682-S	40	24	10.1	Ø 28	BN Series FD Series KA Series FA Series EW-G2 Series	MB (Matt Black/哑黑)
1-1683-S	50	30	11.6	Ø 35		GB (Glossy Black/亮黑)
2-3049-S	64	41	15.8	Ø 45		MW (Matt White/哑白)
2-3050-S	70	45	16.2	Ø 50		GW (Glossy White/亮白)
						MS (Matt Silver/哑银)
						GS (Glossy Silver/亮银)

应用场景

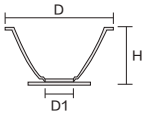
零售、店铺、展览空间、办公室、家居。

Application

Retail, Shops, Exhibition Area,Office,House.

More Colors Can Be Customized / 可定制更多颜色.....

				
V0601 香槟金	V0603 玫瑰金	V0501 酒红色	V0801 卡其色	V0404 枪色
L a b	L a b	L a b	L a b	L a b
84.22 10.1 66.85	59.19 47.86 52.6	49.6 58.1 15.82	56.92 1.44 11.02	31.08 -1.88 1.39



DV Series

360° Low Glare PC Reflector
360°低眩反光罩

创新专利产品
Innovative patent



PC

- 创新控压装拆, 节省装配成本。
- 光斑均匀过渡, 低目视眩光, UGR < 16。
- Innovative snap-in assembly.
- Evenly light transition, low glare UGR<16.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE
1-0940-N	35	8	27.6	15°	LUMINUS CXM-6-AC40 LES 6.3	92.70.259.00	HOLDER: 92.70.360.00 • NICHIA NVNWS007Z-V1 NTCWT012B-V3
1-0941-N				24°			HOLDER: 92.70.259.00
1-0942-N				36°			• LUMILEDS 1202
1-0943-N				45°			• BRIDGELUX V6HD • SEOUL SAWx06 • CITIZEN CLU700
1-0935-N	45	11.1	37.3	15°	LUMINUS CXM-9-AC40 LES 9.8	92.70.246.00	HOLDER: 92.70.246.00
1-0936-N				24°			• SAMSUNG LC009D
1-0937-N				36°			• TRIDONIC SLE G7 9MM
1-0938-N				45°			• CITIZEN CLU028
1-1060-N	50	11.3	39	15°			• SEOUL SAWX10
1-1061-N				24°			• PHILIPS 1201/1202/1203/1204
1-1062-N				36°			HOLDER: 92.70.361.00
1-1063-N				45°			• CREE CXA1516 / CXA1512 CXA1507 / CXA1520
2-2487-N	63	15	53.5	15°	CREE 1820	92.70.274.00	• BRIDGELUX C10
2-2489-N				24°			HOLDER: 92.70.274.00
2-2491-N				36°			• CITIZEN CLU038
2-2493-N				45°			
2-2495-N	69	15	58.5	15°	CITIZEN CLU038 LES 14.5	92.70.275.00	HOLDER: 92.70.275.00
2-2497-N				24°			• LUMILEDS 1208
2-2499-N				36°			
2-2501-N				45°			

应用场景

展示区、零售、商店、珠宝店、重点照明、酒店。

Application

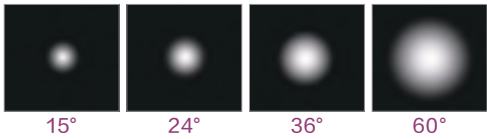
Exhibition Area, Retail, Shops, Jewellery Shopsm, Accent Lighting, Hotel.

DA Series

Low Glare Twist Lock Lens
低眩光旋扣透镜



PMMA



- 光斑干净利落, 犹如一轮明月。
- UGR<16
- Clean Light Spot.
- UGR<16.

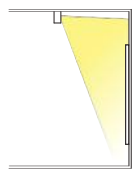
CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE	TYPE
61-0135	28	13.6	13.75	17°	LUMINUS CXM-3-AC40 LES 3	92.70.307.00	• BRIDGELUX V4HD LES 5.2/V6HD LES7 V3HD	COB LENS
61-0137				24°			• LUMINUS CXM-4 LES 4.5/ CXM-6-AC40 LES 6.3	
61-0139				36°			• CITIZEN CLU7A2 LES 4.5/CLU7B2 LES 3.3/CLU702/CLU701	
61-0090	35	10	19.7	15°	LUMINUS CXM-4-AC40 LES 4.5	97.70.267.00	• CREE CXA1310	
61-0092				24°			• BRIDGELUX V4HD LES5.2	
61-0094				36°			• CITIZEN CLU7A2 LES4.5/ CLU700 LES6	
61-0117				60°			• BRIDGELUX V6HD LES7	
61-0096	45	13.2	25.2	15°	LUMINUS CXM-6-AC40 LES 6.3	92.70.234.00	• CREE CXA1304 LES6	
61-0098				24°			• LUMINUS CXM-6-AC40 LES6.3	
61-0100				36°			• BRIDGELUX V6HD LES7	
61-0119				60°			• CITIZEN CLU700 LES6	
61-0084	50	13.6	28.1	15°			• CREE CXA1304 LES6	
61-0086				24°			• LUMILEDS LUXEON COB 1202S LES6	
61-0088				38°			• NICHIA NTCWS024B-V3 LES6.7	
61-0121				60°			• PHILIPS FORTIMO LED SLM 1201/ 1202/1203/1204 G7N	

FN Series

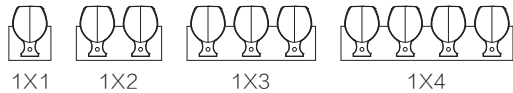
Wall-Washer Reflector
洗墙反光罩



PC



自由排列 Free arrangement



- 可根据灯具功率随意排列不同的数量；
- 安装简便；
- 光斑均匀，眩光值低；
- 反光杯体积小巧，外观新颖。

- Quantity of reflector can be designed according to the power of the lamp.
- Easy to install.
- Even spot and low glare.
- Slim size.

CODE	D	D1	H	FWHM	LIGHT SOURCE
1-0847-S	42.7	29.4	7.8	30°	LUMILEDS 3030 LES 3.0
1-0848-S	40.6	25.5	9.6	60°	

应用场景

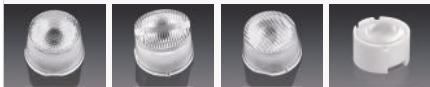
洗墙灯、走廊、博物馆。

Application

Wall Washer, Corridor, Museum.

Wall Washer Lens Series

洗墙灯透镜系列



PMMA

NATA户外防水洗墙灯产品可搭配3030、3535、5050等不同尺寸的贴片式LED，提供单偏光、双偏光、线性偏光等不同光型选择，以及全系列多角度产品覆盖，以适应不同应用场合需求。

NATA outdoor waterproof wall washer products can be used with different size SMD such as 3030, 3535, 5050, etc. The products provide single-polarization, dual-polarization, linear-polarization and other types of light shapes. Full range with various beam angle options to fullfil different applications.

CODE	D	D1	H	FWHM	LIGHT SOURCE
60-0040	13.5	3.5	7.5	36°	CREE XP-E2 LES 3.0
60-0041				60°	
60-0065	19	3.6	10.9	20°	CREE XP-G2 LES 3.5
60-0066				30°	
60-0067				40°	
60-0042	14.8	5.57	8	38°	LUMILEDS 5050 LES 4.6
60-0043		5.6		60°	
60-0026	20	3.98	11.7	15°	NICHIA NF2W757 LES 3.0
60-0027				24°	
60-0028				38°	
60-0029				45°	
60-0030				60°	
60-0038				15° *45°	
60-0039	20	3.98	11.7	15° *60°	CREE XP-E2 LES 3.5
60-0048				10°	
60-0031				15°	
60-0032				24°	
60-0033				38°	
60-0035				60°	
60-0036	20	4.2	11.7	15° *45°	NICHIA NF2W757 LES 3.0
60-0045				15° *30°	
60-0046				20° *50°	

Spot Beam Series

Flashlight Reflector
手电筒反光罩



AL

- 为各种手电筒应用环境提供高流明输出和高中心光强的光学设计方案。
- 反射罩采用高纯度铝制作，具有高强度、使用寿命长及优良的耐腐蚀性。

- We can custom design the flash light reflector with high lumen output and high center beam intensity for various applications.
- The reflector is using high-purity aluminum material to ensuring high strength, excellent corrosion resistance, and a long lifespan.

 出光效率 Efficiency	 中心光强 Center Light Intensity	 最远射程 Max. Range
3-2786-A 93%	91759 cd (1000lm)	605 M

CODE	D	D1	H	FWHM	LIGHT SOURCE
3-2786-A	88	20	49.6	4°	LUMINUS SST-40-W LES 3.5
61-0074	35	—	19	3°	CREE XP-E2 LES 3.5

应用场景
Application

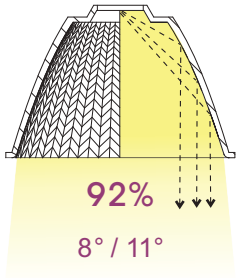


AH Series

Spot Beam Reflector
小角度反光罩



AL



- 角度小至8° 及11° ， 高度聚焦。
- 尺寸35及45MM， 应用场所通用性高。

- Beam angle only 8° and 11° , spot highly focused on proudct.
- Tiny size 35mm & 45mm diameter widely apply on general places, good for cost saving.

CODE	D	D1	H	FWHM	LIGHT SOURCE	COMPATIBLE LIGHT SOURCES
1-0870-A	35	32	21.5	11°	CITIZEN CLU7A2 LES4.2	● BRIDGELUX V4HD
1-0871-A	45	42	25	8°		● LUMINUS CXM-3-AC40 ● EDISON 2PHM10WW38P55020

应用场景
商照射灯、珠宝店、博物馆。

Application
Commercial Lighting, Jewellery Shops,
Museum.



FO Series

Spot Beam COB Reflector
超窄角度COB反光罩



PC

- 角度小至9° 及11° ， 高度聚焦。
- 尺寸35及50MM， 通用性高。
- Beam angle only 9° and 11° , spot highly focused on product.
- Tiny size 35mm & 50mm diameter, wide application.

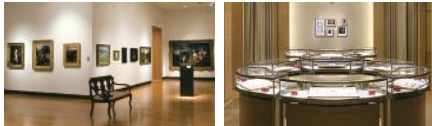
CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER
1653-S	35	13.5	21.5	11°	CITIZEN CLU7A2 LES 4.5	92.70.043.00
1656-S	50	18.9	30	9°		92.70.123.00

应用场景

商照射灯，珠宝店，博物馆。

Application

Commercial Lighting, Jewellery shops,
Museum.

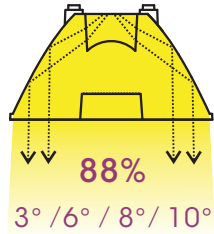


BV Series

Spot Beam TIR Lens
超窄角度TIR透镜



PMMA



- 超窄角度（ 半角10度下领域 ）；
- 应用场所通用性高， 小尺寸能满足整灯空间应用与成本管控。
- 改进聚光结构， 实现高照度效果。

- Super spot.
- Widely apply for various contexts. Small size can make smaller luminaire hence cost saving.
- Improved light focus structure, high intensity.

SERIES	CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER	TYPE
BV	61-0188	35	10	19	3°	CREE XP-E2 LES 3.5	—	SMD LENS
	61-0074				3°			
	61-0075				6°			
CH	61-0080	35	11	22	10°	CITIZEN CLU 7A2 LES 4.5	92.70.183.00	COB LENS
	61-0081	45	5	18	8°			
	HOLDER: 92.70.183.00 ● EDSION 2PHM10WW38P55020 LES 3MM ● LUMINUS CXM-4-AC40							

CH Series

Spot Beam COB Lens
超窄角度COB透镜

61-0080

61-0081



PMMA

应用场景 Application

BV	建筑照明，重点照明，手术台。 Architectural Lighting, Accent Lighting, Medical Lighting.
CH	展示区、零售、重点照明、博物馆。 Exhibition Area, Retail, Accent Lighting, Museum.



FY Series

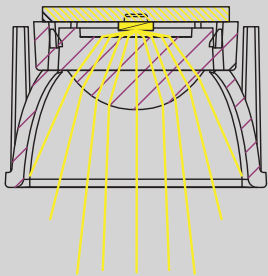
Linear Lens Module
线性光学透镜组件

UP to

90%

Efficiency

UGR<19



按压式安装
Snap-in Installation

- 室内低眩光线性光学方案, UGR<19。
- 高达 90% 出光效率。
- 按压式安装。
- Interior Linear Lighting Solution, UGR<19.
- Up to 90% Efficiency.
- Snap-in Installation.



PMMA/PC

TYPE	CODE	L	W	H	FWHM	LIGHT SOURCE	COMPATIBLE LIGHT SOURCE	SHIELD COLOR CHART
FY21-1x14	69-0026	275	17	8.5	30°	LUMILEDS 2835 LES 3.0	LUMILEDS 2835/3030	MB (Matt Black/哑黑) GB (Glossy Black/亮黑) MW (Matt White/哑白) GW (Glossy White/亮白) MS (Matt Silver/哑银) GS (Glossy Silver/亮银)
	69-0026-1 (Opal/乳白)				36.8°			
	69-0026-2 (Opal/乳白)				32°			
	69-0022	280	21	12.7	防眩罩 SHIELD	LUMILEDS 2835 x 2 (双色/Dual-color) LES 3.0		
	69-0022-1 (Opal/乳白)							
	11-0162-S							
FY40-1x7	69-0020	256.3	16	9.3	60°	LUMILEDS 2835 x 2 LES 3.0	CREE JE2835B_N x 2 CREE JE2835B_N x 4 LUMILEDS 2835 x 4 LUMILEDS 5050	
	69-0020-1 (Opal/乳白)				80°			
	69-0021			8.9				
	69-0021-1 (Opal/乳白)	280	40					
	11-0161-S		19.8	防眩罩 SHIELD				

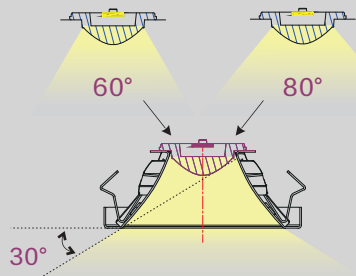
应用场景
家居，办公等室内线性照明。

Application
Home,Office.



EM Series

Low-Glare Grille Linear
Reflector
低眩格栅线条灯反光罩



AL/PMMA



- 采用透镜控光, 拼接反光罩防眩的搭配。
- 反光罩遮光角为30° ,有效降低眩光造成的双眼不适。
- 最低UGR可达14。
- 光斑均匀不分层。
- 60° 及 80° 光学透镜于同一反光罩内互相切换,
570mm 及 288mm 两种长度选项。
- LENS for optic control; segment reflector for glare control.
- Reflector shield angle 30° comfortable for visual.
- Min UGR<14.
- Evenly light shape no levels.
- 60° and 80° optical lenses are interchangeable within same reflector.
570mm and 288mm length options available.

CODE	COLOR	L	W	H	FWHM	MAIN LIGHT SOURCE	LENS
12-0080-M	White	570	47	18.5	60°	LUMILEDS 5050 LES 5.0	61-0148
12-0080-M2	Glossy						
12-0080-M3	Miro20						
12-0080-M4	Black						
12-0080-M5	Matt						
12-0080-M	White	570	47	18.5	80°		61-0149
12-0080-M2	Glossy						
12-0080-M3	Miro20						
12-0080-M4	Black						
12-0080-M5	Matt						
6-0845-M	White	288.4	47	18.5	60°		61-0148
6-0845-M2	Glossy						
6-0845-M3	Miro20						
6-0845-M4	Black						
6-0845-M5	Matt						
6-0845-M	White	288.4	47	18.5	80°	61-0149	
6-0845-M2	Glossy						
6-0845-M3	Miro20						
6-0845-M4	Black						
6-0845-M5	Matt						

应用场景
办公室照明，中岛区域展台、销售台、服务台、餐桌。

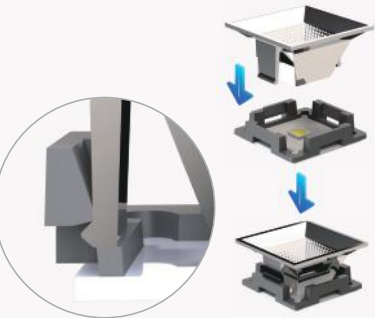
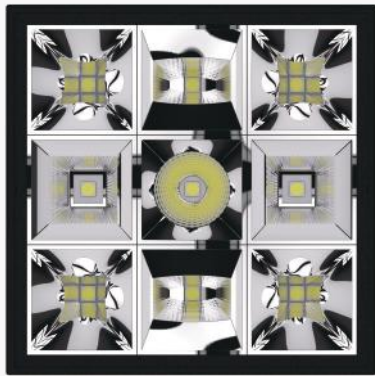
Application
Office, reception, exhibition table, service table,
dining table.



FM Series

Multi-Combination Reflector

阵列反射罩

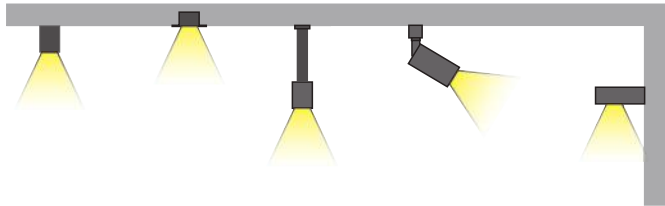


安装简易，备有15°，24°，36°，55°，75°，35° *35°，55° *55°，75° *75° 多种角度，灯具可根据具体应用搭配不同光型的反射器，营造丰富多样的光型及角度。

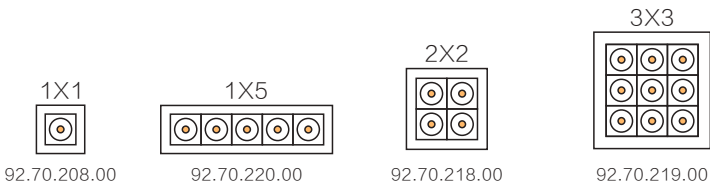
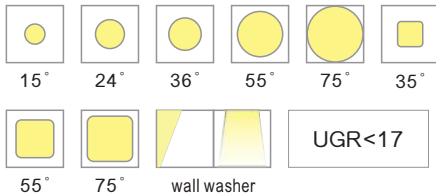
Easy install
Various beam angles 15°，24°，36°，55°，75°，35° *35°，55° *55°，75° *75° for combination.

组合应用
明装筒灯，嵌射灯，吊灯，轨道灯，壁灯，线条灯等

Example of combination
Led Downlight, Recessed Downlight, Pendant Lamp, Led Track Light, Wall Light, Linear Light System

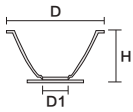


多角度可供选项
Muti-angle on options



应用场景
走廊、展示区、家居、商店。

Application
Corridor, Exhibition Area, House, Shops.



FM SERIES MULTI-COMBINATION REFLECTOR

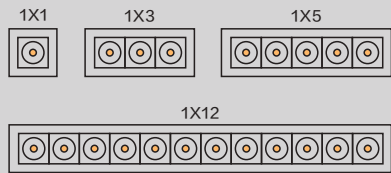
VIEW	CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	LIGHT SHAPE	HOLDER
	1-0803-S	35	5.4	18	36° *36°	LUMILEDS 5050 LES 5.0		
	1-0804-S	35	5.5	18	55° *55°	LUMILEDS 5050 LES 5.0		
	1-0805-S	35	10	18	75° *75°	LUMILEDS 5050 LES 5.0		
	1-0806-S	35	5.98	18	35° *75°	LUMILEDS 5050 LES 5.0		
	1-0807-S	35	—	18	P35°	LUMILEDS 5050 LES 5.0		
	1-0808-S	35	9	18	15°	LUMILEDS 5050 LES 5.0		
	1-0809-S	35	10	18	24°	LUMILEDS 5050 LES 5.0		
	1-0810-S	35	11	18	36°	LUMILEDS 5050 LES 5.0		
	1-0811-S	35	5.8	18	55°	LUMILEDS 5050 LES 5.0		
	1-0812-S	35	9.8	18	75°	LUMILEDS 5050 LES 5.0		
	1-1041-S	35	—	18	P20°	LUMILEDS 5050 LES 5.0		

HOLDER: 92.70.208.00, 92.70.218.00, 92.70.219.00, 92.70.220.00 OSRAM 5050 (DURIS S8)

FK Series

Linear PC Reflector
线条灯反光罩

自由排列 Free arrangement



PC



安装简便
Easy to Install

- 可根据灯具功率随意排列不同的数量。
- 安装简便。
- 光斑均匀，眩光值低。
- Quantity of reflector can be designed according to the power of the lamp.
- Easy to install.
- Evenly spot and low glare.

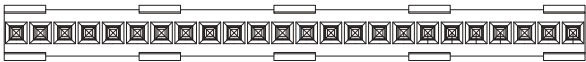
应用场景
走廊、展示区、办公室、家居。

Application
Corridor, Exhibition Area, Office, House.

CODE	D	D1	D2	H	FWHM	MAIN LIGHT SOURCE	HOLDER	LENS
5-1065-N	134.8	30	3.59	22.9	15°	CREE XP-E2(3030) LES 3.5	—	—
5-1067-N			4.88	22.9	24°			
5-1069-N			4.9	22.9	36°			
5-1213-N					22° *44°			
COMPATIBLE LIGHT SOURCES: • LUMINUS SST-20								
CODE	D	D1	D2	H	FWHM	MAIN LIGHT SOURCE	HOLDER	ANTI-DUST COVER
12-0071-S	304.8	35.5	12.7	18.8	42° *60°	CREE XP-E2(3030)LES 3.5 LUMILEDS 5050 OSRAM GWJTLPS1.EM 2835	92.70.293.00	99.02.73.185
12-0071-S2					53° *66°			99.02.73.186
					55° *66°			99.02.73.185
					60° *70°			99.02.73.186

AW Series

Linear Lens
线条灯透镜



- 光斑均匀，低眩光。
- 结构一体化，装配简单便捷。
- 适用于酒店照明、商场照明、办公照明等。
- Evenly light shape, low glare.
- Integrated structure, easy assembling.
- Suitable shop lighting ,hotel lighting and office lighting.

CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
66-0011	280	5.2	9.4	60°	PHILIPS FORTIMO LED STRIP 1FT 1100LM 930 FC HV4 LES 3.0	24 IN 1 LINEAR LENS SERIES
65-0001		6.2		90°		
• SAMSUNG 5630						



PMMA

FW Series

Recessed Downlight
天花筒灯系列

多种颜色可供选择
Colors for Selection(Shade):



亮光
specular



半哑光
semi-specular



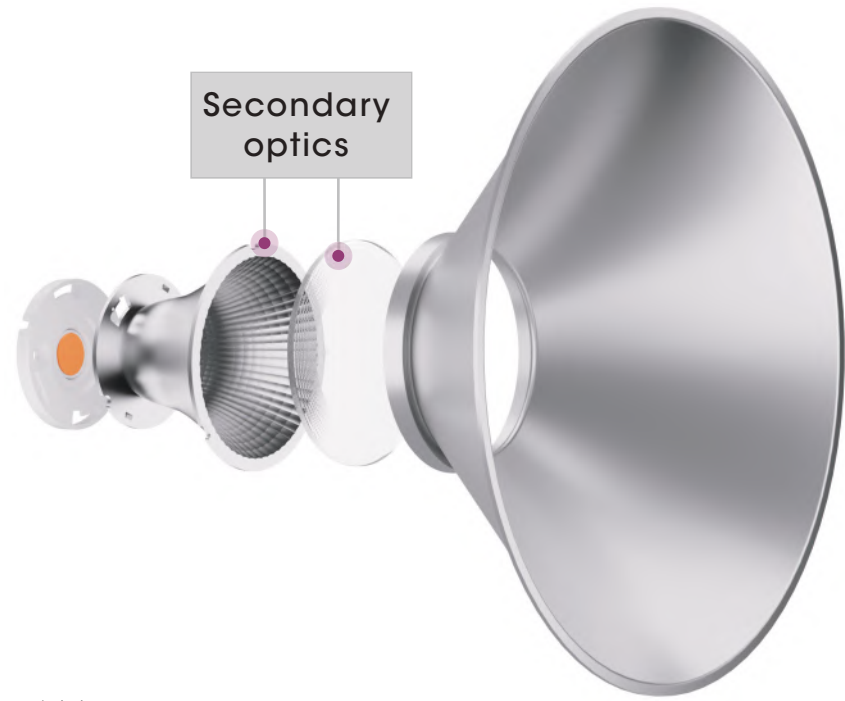
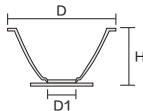
全白
white 2 sides



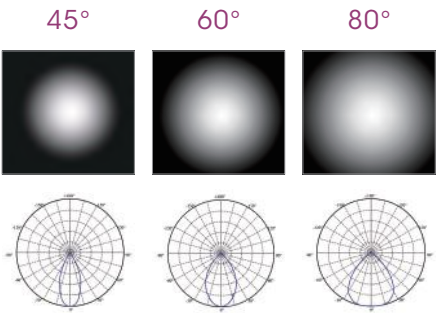
全黑
black 2 sides



AL



- 遮光角 > 25° , UGR<19
- 搭配专用的二次光学设计反光杯
- 光束角: 15° , 24° , 36° , 45° , 60° , 80°
- Cut off Angle > 45° , UGR<19
- Wide Range Secondary Optic for Inter-Exchange
- Beam Angle: 15° , 24° , 36° , 45° , 60° , 80°



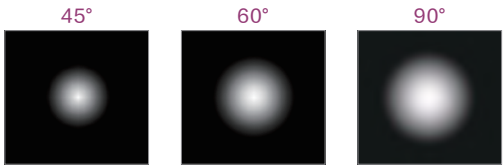
TRIM	REFLECTOR	D	D1	H	FWHM	LIGHT SOURCE	HOLDER	LENS
5-1297-A	1-1492-L	145 / 50	46.1 / 14.3	56.5 / 32	18°	CITIZEN CLU028 LES 9.8	92.70.427.00	92.70.364.00
	1-1493-L				24°		BJB 47.360.1020	92.70.397.00
	1-1494-L				36°			
	1-1495-L				45°			
	1-1426-L		46.1 / 14	56.5 / 33	60° / 80°		Green Gems GH36D-B40	Diffuser

AB Series

Downlight Reflector
筒灯反光罩



AL



- 多种筒灯尺寸，从低功率到高功率均可满足，同时具有更均匀的光形。
- 本系列反光杯可提供多种不同的表面处理。
- Wide range downlight from low to high power application.
- Good Light shape.
- Varity of light surface treatment.



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCES
3-1219-E	90	20	35.5	45°	CREE CXA1512 LES 8.9	92.70.046.00	• CREE CXA1816



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	METAL ADAPTER	COMPATIBLE LIGHT SOURCES
5-1014-A	150	25	70	57°	PHILIPS SLM 1208 G6 L15 LES 15	92.76.172.00	• PHILIPS SLM 1205 G6 L13 SLM 1211 G6 L19



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	METAL ADAPTER	COMPATIBLE LIGHT SOURCES
6723-A	175	25	69.1	82°	LUMILEDS 1216 LES 23	99.02.73.173	92.76.365.00	• CITIZEN CLU046 • LUMILEDS 1211 • CREE CXA3050
8384-E	214		84.4	83°				



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	COMPATIBLE LIGHT SOURCES
8370-E	220	50	136	13°	CITIZEN CLU550 LES 32.8	—



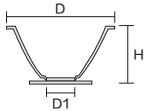
CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	COMPATIBLE LIGHT SOURCES
4-2026-G	120	67	71.9	74°	PHILIPS DLM FLEX LES 64.0	• PHILIPS DLM I 2000LM / DLM 2000LM • OSRAM PL-CUBE-AC-2000
6495-EG	158	68	73.6	65°		



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	COMPATIBLE LIGHT SOURCES
6740-A	170	70.5	70	60°	PHILIPS DLM 2000LM LES 64	—
6740-A2				62°		
7639-F	171	68	60	68°		



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	COMPATIBLE LIGHT SOURCES
6585-F	170	114.5	55	65°	PHILIPS DLM FS 2000LM LES 64	• PHILIPS DL-S 900LM
6574-F			38	90°	PHILIPS DLM FS 1000LM	
8-0351-M	226	146.3	63.2	60°	PHILIPS DLM FS 2000LM LES 64	• PHILIPS DL-S 1200LM
8-0352-M			36.2	90°		



OM Series

Integrated Downlight
Reflector
一体式筒灯反光罩

常用尺寸
size



AL



- 多种筒灯尺寸，从低功率到高功率均可满足，同时具有更均匀的光形。
- 本系列反光杯可提供多种不同的表面处理。
- Wide range downlight from low to high power application. Good Light shape.
- Varity of light surface treatment.

表面处理
Surface treatment



亮光 specular 半哑光 semi-specular 全白 white 2 sides 全黑 black 2 sides



内半哑光外白 specular inner outer white 内银外白圈 semi-specular with white trim 亮光白外圈 specular with white trim 半哑光白外圈 semi-specular inner outer white

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE
5944-AK	135	55	61.2	78°	OSRAM 2835 9W SMD LES 3.0
5944-P				79°	
5937-AK	145	57	61.2	85°	
5937-P				82°	
6684-AK	165	70	71.5	70°	OSRAM 2835 12W SMD
6684-P				83°	

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE
7613-AK	189	69.4	79.5	82°	OSRAM 2835 12W SMD
7613-P				80°	
8362-AK	205	92	91.5	82°	OSRAM 2835 15W SMD
8362-P				82°	
8366-AK	205	92.7	91.5	78°	
8366-P				79°	

应用场景
公共场所、办公室、大堂。

Application
Public Area, Office, Lobby.

GS Series

Flashlight Reflector
光溯反光罩



- 我司的ZHAGA支架与BJB支架兼容互换；
- 高中心光强；
- 此系列规格齐全，角度丰富。

- Zhaga compliance.
- High center intensity.
- Various sizes and angles available.



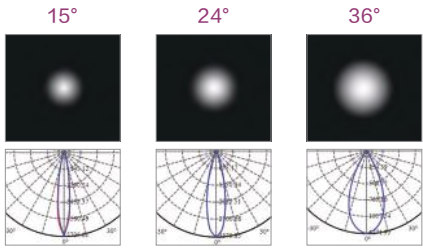
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AK Series

Flashlight Reflector
卡环衔接反光罩

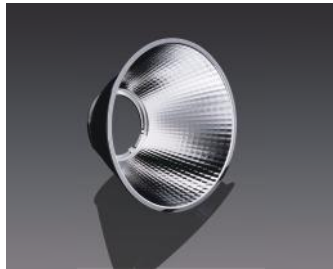


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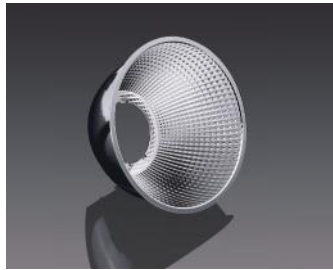


拥有多种尺寸搭配 TE & NATA 免焊光源支架，LED 两极无需焊线，有效的提升工作效率。
Wide size range to fit TE &NATA poke-in holder.
No soldering cost, high working efficiency.

模块化接口设计
Modular Interface



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
4-2756-A	111	33	60.1	10°	CREE CXA1820 LES 12	92.70.429.00
4-2756-A				15°	BRIDGELUX V18 LES18	92.70.445.00
4-2757-A				24°		
4-2758-A				36°		
4-2759-A				55°		
4-2760-A				65°		



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
4-2756-A	111	33	60.1	10°	CREE CXA1820 LES 12	BJB 47.360.1040
4-2756-A2		41.7		18°	CREE CMU2239 LES 22	BJB 47.360.2105-0
4-2757-A2				24°		
4-2758-A2				39°		
4-2759-A2				55°		
4-2760-A2				65°		

模块化接口设计
Modular Interface



应用场景

商业照明，店铺照明。

Application

Commercial Lighting, Shop Lighting.



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	METAL ADAPTER	• OSRAM OPTO SOLERIQ S15 • CREE CXA1830/CMT1922 • LUMILEDS LUXEON 1208 • LUMINUS CXM-11/CLM-14/CXM-14-AC40 • CITIZEN CLU038/CLU710/CLU720 • BRIDGELUX V9HD/V13B/V18B • TRIDONIC SLE G7 13MM/SLE G7 15MM	• NICHIA NFCLJ060B • LUMENS EDC_47_10W • SAMSUNG LC026D
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AR Series

Twist Lock Reflector
旋扣反光罩

AL

- 搭配NATA专用光学配件，通过旋扣方式固定光学器件，更可靠更好用的装配方案。
- 本系列为NATA专利产品。



- Compatible for Nata optic parts. Fixation by twist lock, firm lock, low labor cost!
- This range is patented products.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE
1709-M	49.6	16	21.7	18°	CITIZEN CLU026 LES 9.8	92.70.124.00	• BRIDGELUX V10B • CREE CMT1420/CXA1512 • LUMINUS CXM-6-AC40/CHM-9-AA10/CLM-9-AA40/CXM-9-AC40 • NICHIA NTCWT012B • TRIDONIC SLE G7 9MM • XICATO XOB LES 9.8MM
1687-M				25°			
1-0788-M				34°			
1689-M				68°			
1-1339-M	49.6	22.3	19.8	30°	CITIZEN CLU038 LES 14.5	92.70.131.00	---
1-1340-M				40°			
1-1341-M				50°			
1-1342-M				77°			
2-1674-M	75	23	43.2	15°	CITIZEN CLU038 LES 14.5	92.70.131.00	• BRIDGELUX V13B • CITIZEN CLU038 • LUMILEDS 1208/1205 • OSRAM OPTO S13/S15 • NICHIA NFCWD096B/NFCWD084B/NVEWJ048Z/NFCWJ108B/NFCWJ120B • CREE CMT1922 • SEOUL SAWx15 • LUMINUS CXM-11/14-AC40 • BMTC MA-1919
2-1672-M			43	25°			
2-1676-M			43.2	35°			
2-2772-M				60°			
2-1678-M	75	16	42.4	11°	CREE CXA1512 LES 8.9	92.70.127.00	• BMTC MA-1313 • CREE CMT1420 • LUMINUS CXM-6/9-AC40/CLM-9-AA40 • NICHIA NTCWT012B/NVNWS007Z/NFCWL036B • BRIDGELUX V10B • CITIZEN CLU028 • XICATO XOB LES 9.8MM • TRIDONIC SLE G7 9MM
2-1680-M				24°			
2-1682-M				36°			
2-1738-M	75	28	43.2	25°	CITIZEN CLU044 LES 22	92.70.136.00	• BRIDGELUXV 22B • CREE CMT2850/CXA2520/3050
2-1740-M			43	36°			
2-1742-M			43.2	40°			
3-2033-M			85	23			
3-2040-M	51	22°					
3-2035-M	51.2	42°					
3-2093-M	85	28	51.2	23°	CITIZEN CLU044 LES 22	92.70.136.00	• CREE CMT2850/CXA3050
3-2095-M				28°			
3-2097-M				45°			
3-2042-M	95	23	55	13°	BRIDGELUX V13B LES 13	92.70.131.00	• BMTC MA-1919 • CITIZEN CLU038 • CREE CXA1830/CMT1922 • NICHIA NFCWD096B/NFCWD084B/NVEWJ048Z/NFCWJ108B/NFCWJ120B • OSRAM OPTO SOLERIQ S13/S15 • SEOUL SAWx15 • LUMINUS CXM-11 • TRIDONIC SLE G7 13MM/15MM
3-2044-M			55.2	25°			
3-2046-M				34°			
3-2099-M	95	28	55	21°	CITIZEN CLU044 LES 22	92.70.136.00	• CREE CMT2850/CXA3050
3-2101-M			55.2	32°			
4-2273-M			111	23			
4-2275-M	64.1	18°					
4-2267-M	22.4	64.2			35°		
4-2640-A	119.5	43.3	76.3	10°	CITIZEN CLU038 LES 14.5	92.70.131.00 B.JB 47.319.2021	---
4-2640-A2				10°			
4-2641-A				24°			
4-2641-A2				17°			
4-2642-A				36°			
4-2642-A2				36°			
4-2644-A				65°			
4-2644-A2				50°			
4-2643-A				45°		92.70.131.00	

AQ Series

BJB 319 Reflector
BJB 319 反光罩

AL

模块化接口设计
Modular Interface



采用高纯度铝片旋压成型，反射率高，耐温性能好

Using high-purity aluminum sheets and spin forming technology, the resulting product exhibits high reflectivity and excellent temperature resistance.



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE	
1632-M	49.6	24	20	15°	CREE CXA1512 LES 8.9	BJB 47.319.6105 GREEN GEMS GH36D-B40	• LUMINUS CXM-14-AC40	
1633-M				25°				
1634-M				40°				
1635-M				65°				
2-1562-M	75	24	40.5	10°	CREE CXA1512 LES 8.9	BJB 47.319.6105 GREEN GEMS GH36D-B40		
2-1563-M				24°				
2-1564-M				38°				
2-1565-M				60°				
2-1566-M	75	32.2	40.6	15°	LUMILEDS 1204 LES 13	BJB 47.319.2011 GREEN GEMS GH36D-B50	• BRIDGELUX V13B • CITIZEN CLU036 • CREE CXA1816 • PHILIPS SLM 1208 • TRIDONIC SLE G7 17MM/ 21MM	• LUMILEDS LUXEON 1208 • LUMINUS CXM-14-AC40 • SEOUL SAWx15
2-1567-M				25°				
2-1568-M				38°		BJB 47.319.2011		
2-1569-M				60°				
3-1938-M	85	32.2	51.5	15°	LUMILEDS 1205 LES 13	BJB 47.319.2011 GREEN GEMS GH36D-B50	• BRIDGELUX V13B • LUMILEDS LUXEON 1204/1208 • LUMINUS CXM-14-AC40 • SEOUL SAWx15 • TRIDONIC SLE G7 17MM	
3-1939-M				25°				
3-1940-M				35°				
3-1941-M				58°				
3-1942-M	95	32.2	55.5	16°	LUMILEDS 1208 LES 15	BJB 47.319.2011 GREEN GEMS GH36D-B50	• BRIDGELUX V13B/V18B • CITIZEN CLU036 • SEOUL SAWx15 • TRIDONIC SLE G7 17MM/21MM • LUMILEDS LUXEON 1204/1205	• LUMINUS CXM-14-AC40 • PHILIPS SLM 1208
3-1943-M				28°				
3-1944-M				40°				
3-1945-M				58°				
4-2219-A	111	42	65	21°	BRIDGELUX V22B LES 22	BJB 47.319.2030 GREEN GEMS GH36D-B50	• CITIZEN CLU044 • LUMILEDS 1216 • SEOUL SAWx22 • LUMINUS CXM-14-AC40	
4-2220-A				27°				
4-2221-A				38°				
4-2222-A				63°				

AD Series

Flange Fixation Reflector
前环固定反光罩

AL

本系列反光杯的边口拥有固定结构，可与灯具前环做固定。

Flange fixation structure to fix the casting front ring, bottom hole size can be as small as possible.



CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER
1-0853-A	42	18	22.5	36°	CITIZEN CLU028 LES 9.8	TE 2313678-6
1-0854-A				60°		
2-1316-E	65	17	40	15°	CREE CXA1820 LES 12	92.70.074.00
2-1317-E				24°		
2-1318-E				36°		
3-1822-E	85	23.5	51	16°	LUMILEDS 1208 LES 15	99.02.73.181
3-1823-E				24°		
3-1824-E				36°		
3-2069-A	85	26	51	25°	PHILIPS SLM 1211 G6 L19 LES 19	---
3-2070-A				39°		
3-2071-A				60°		
3-1934-E	95	23	62	15°	LUMILEDS 1208 LES 15	99.02.73.181
3-1935-E				24°		
3-1936-E				36°		
3-1937-E				57°		

XCT Series

XCT Reflector
XCT 反光罩



AL

采用高纯度铝片旋压成型，反射率高，耐温性能好。
Using high-purity aluminum sheets and spin forming technology, the resulting product exhibits high reflectivity and excellent temperature resistance.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE
1364-M	49.6	14.5	23.6	15°	XICATO XTM 19MM LES 9.0	2-1131-M	75	22.4	51	18°	XICATO XTM 19MM LES 19
1612-M				60°		2-1132-M				30°	
1443-M				38°		2-1133-M				45°	
1444-M				60°		2-1155-M				60°	
1365-M	49.6	12.3	40	16°	XICATO XTM 9MM LES 9.0	3-1901-M	85	22.4	51	24°	
1366-M				24°		3-1903-M				40°	
1393-M				40°		3-1905-M				62°	
2-1158-M				11°		4-1966-M	111	22.4	66	13°	
2-1163-M	70	12	43	24°	XICATO XTM 19MM LES 19	4-1983-M				24°	
2-1212-M				40°		4-1984-M				40°	
2-1213-M				60°		4-1985-M				60°	
2-1050-M	70	22.4	44	18°							
2-1051-M				35°							
2-1052-M			44	45°							
2-1053-M				60°							
		22.5									

FG Series

PC Reflector
PC 反光罩



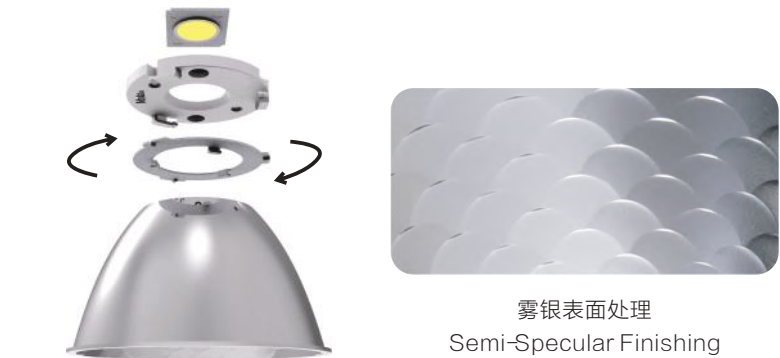
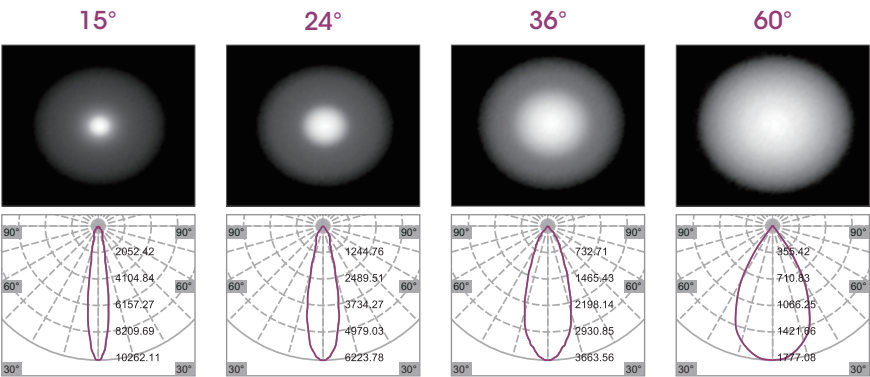
PC

• 注塑一体成型，具有极高的稳定性。
• 外加真空镀膜处理，出光效率高，结构多样性等特点。
• Injection and high efficiency vacuum metalized coating.
• Suitable for complex structure application.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE
1651-S	25	10.8	11.5	20°	CREE CXA1310 LES 6.0	92.70.043.00	• LUMILEDS CoB 1202S • LUMINUS CXM-6-AC40 • XICATO XOB
1652-S		12.1		40°			
1679-S		14		65°			
1496-S	50	11.8	33.4	20°	CITIZEN CLU028 LES 9.8	92.70.192.00	• CREE CXA1517/CXA1512 • SAMSUNG LCO6D3 • OSRAM SOLERIQ S9 • CentaFlux SLM 1204
1-0914-S				38°			
1-0915-S				55°			
1653-S	35	13.5	21.5	15°	CITIZEN CLU028 LES 9.8	92.70.124.00	• LUMINUS CLM-9-AA40/CXM-9-AC40 • SEOUL SAWX10 • TRIDONIC SLE G7 9MM
1654-S		14.6		27°		92.70.064.00	
1655-S				38°			
1680-S		15.4		60°			
1405-N	44	12.2	20	26°	CITIZEN CLU028 LES 9.8	92.70.064.00	• EDISON 2PHM10WW/38P55020 • BRIDGELUX V4 HD/V6 HD/V8/V10 • XICATO XOB LES 6MM/9.8MM • NICHIA NTCWS024B/NTCW7012B/NNVWS007Z • LUMINUS CXM-3-AC40/4-AC40/6-AC40/9-AC40/CLM-9-AA40 • CITIZEN CLU7A2 • TRIDONIC SLE G7 9MM • CREE CXA1512/CMT1420 • SEOUL SAWX10
1406-N				38°			
1407-N				48°			
1408-N				58°			
1656-S	50	18.9	30	15°	CREE CXA1512 LES 8.9	92.70.127.00	• NICHIA NTCWS024B • TRIDONIC SLE G7 9MM • XICATO XOB LES 9.8MM • LUMINUS CXM-6-AC40/CHM-9/CXM-9-AC40/CLM-9-AA40 • BRIDGELUX V6 HD/V10 • CITIZEN CLU028 • CREE CXA1310/CMT1420
1657-S		18.6		22°			
1658-S		17.9		33°			
1681-S		15.8		60°			
2-1283-N	62	12.2	42	15°	CREE CXA1520 LES 9.8	92.70.046.00	• BRIDGELUX V10 • CITIZEN CLU028 • LUMINUS CLM-9-AA40/CXM-9-AC40
2-1284-N				24°			
2-1285-N				35°			
2-1745-N	69	16.1	45.5	13°	CREE CXA1512 LES 8.9	92.70.127.00	• BRIDGELUX V10 • CITIZEN CLU028 • LUMILEDS CoB 1203 • LUMINUS CXM-9-AC40 • SAMSUNG LCO13D • TRIDONIC SLE G7 9MM
2-1746-N		16		23°			
2-1747-N				38°			
2-1793-N	75	23	53.5	16°	CREE CXA1816 LES 12	92.70.129.00	• OSRAM SOLERIQ S13/S15 • CITIZEN CLU038/CLU710/CLU720 • TRIDONIC SLE G7 13MM/15MM • LUMINUS CHM-9-XH20/CXM-11-AC30/CXM-14-AC40 • NICHIA NFCWD084B/096B/NFDWJ130B/108B/120B/NVEWJ048Z • LUMILEDS 1205 • BRIDGELUX V9 HD/V13B • CREE CXA1830/CMT1922
2-1794-N		23.9		26°			
2-1795-N		21.5		37°			
3-2115-N	85	23	65	15°	LUMILEDS 1205 LES 13	92.70.135.00	• CREE CMT1922
3-2116-N		21.9		24°			
3-2117-N				36°			

BF Series

Scale Reflector
鱼鳞反光罩



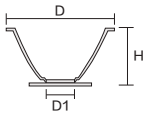
- 创新专利花纹系列, 搭配灯具令人耳目一新。
- 角度15°，24°，36° 和60°。
- 搭配NATA专用光学配件，更可靠更好用的装配方案。
- 本系列产品采用雾银表面处理，拥有更柔和，更均匀的光学效果。
- Fresh look! Innovative patent scale texture.
- Beam angles: 15°，24°，36° and 60°.
- Professional Nata fixing system.
- Semi-specular finishing, good light shape and low glare.

CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE
2-2004-M	75	23	43	15°	LUMILEDS 1205 LES 13	92.70.135.00	HOLDER: 92.70.131.00 • BRIDGELUX V13B • LUMINUS CXM-14-AC40 • OSRAM OPTO SOLERIQ S13 • TRIDONIC SLE G7 13MM HOLDER: 92.70.129.00 • CREE CXA1830
2-2006-M				24°			
2-2008-M				36°			
2-2010-M				60°			
3-2322-M	85	23	51.1	15°			
3-2324-M				24°			
3-2326-M				36°			
3-2328-M				60°			

应用场景
商业照明、办公照明、高档写字楼、酒店、会所等。

Application
Commercial Lighting, Office Lighting, Hotel, Clubs.





General AL Reflector Series

常规铝反光罩

AL

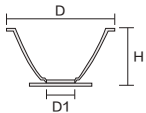
采用高纯度铝片旋压成型，反射率高、抗UV、耐温性能强。

High purity aluminum spun, high reflectivity, anti-UV & high temperture resistance.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	METAL ADAPTER	COMPATIBLE LIGHT SOURCE	
1545-E	22.5	11	10	25°	CREE CXA1304 LES 6.0	92.70.043.00	---	• BRIDGELUX V6/V8 • CITIZEN CLU700/CLU028 • LUMINUS CXM-6-AC40/CXM-9-AC40 • SEOUL SAWX06	
1546-E				38°					
1547-E				58°					
1567-E				80°					
1534-E	30	11	14	20°	CREE CXA1304 LES 6.0	92.70.043.00	---	• BRIDGELUX V8 • CITIZEN CLU700/CLU028 • LUMINUS CXM-6-AC40/CXM-9-AC40 • SEOUL SAWX06	
1535-E				36°					
1536-A				55°					
1322-E	43.5	13.5	29.5	16°	CREE CXA1512 LES 8.9	92.70.046.00	---	---	
1321-E				24°					
1320-E				34°					
1420-E	46	13.5	36	15°	CREE CXA1512 LES 8.9	92.70.046.00	---		
1421-E				30°					
1422-E				38°					
1449-E	46	12	23.8	15°	CITIZEN CLU026 LES 9.8	92.70.064.00	---		• BRIDGELUX V6/V8 • CITIZEN CLU700 • CREE CXA1304/CXA1512 • LUMILEDS LUXEON 1202S • LUMINUS CXM-6-AC40/CXM-9-AC40 • XICATO XTM 9MM LES
1450-E				26°					
1451-E				40°					
1497-E				58°					
1549-E	49.6	15	23.6	12°	PHILIPS SLM 1203 G7 L9 LES 9.0	---	92.76.330.00		---
1669-E				24°					
1731-A	49.6	15	23.8	18°	BRIDGELUX BXRv-DR-1830-H-1000 -B-13 LES 9.3	BENDER AND WIRTH HOLDER490	92.76.330.00		
1732-A				38°					
1733-A				60°					
1560-E	50	13.5	45	15°	CREE CXA1512 LES 8.9	92.70.046.00	---		
1561-E				24°					
1562-E				36°					
1761-A	50	18.5	45.7	15°	CITIZEN CLU028 LES 9.8	99.02.73.171	---		
1762-A				24°					
1763-A				38°					
2-1463-A	75	23	65	15°	LUMILEDS 1208 LES 15	92.70.135.00	---		
2-1464-E				25°					
2-1465-E				36°					
2-1091-E	75	20.1	43	25°	BRIDGELUX VERO 18 LES 18	---	92.76.263.00		
2-1092-E				36°					
2-1093-E				60°					
2-1102-E	75	15.2	43	13°	PARAGONLED CBAC-83-30135 LES 13.5	---	---		
2-1103-E				26°					
2-1426-E				47°					
2-1429-E	75	20	43	18°	PARAGONLED CBAC-88-36185 22W LES 18.5	---	---		
2-1430-E				23°					
2-1431-E				50°					

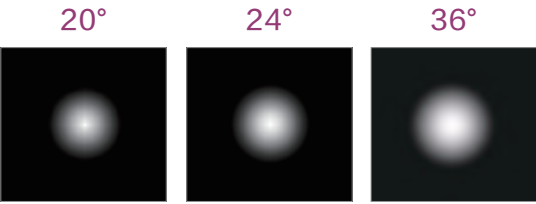
CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	METAL ADAPTER	COMPATIBLE LIGHT SOURCE
1731-A	49.6	15	23.8	18°	BRIDGELUX BXRV-DR-1830-H-1000 -B-13 LES 9.3	BENDER AND WIRTH HOLDER490	92.76.330.00	---
1732-A				38°				
1733-A				60°				
1560-E	50	13.5	45	15°	CREE CXA1512 LES 8.9	92.70.046.00	---	
1561-E				24°				
1562-E				36°				
1761-A	50	18.5	45.7	15°	CITIZEN CLU028 LES 9.8	99.02.73.171	---	
1762-A				24°				
1763-A				38°				
2-1463-A	75	23	65	15°	LUMILEDS 1208 LES 15	92.70.135.00	---	
2-1464-E				25°				
2-1465-E				36°				
2-1091-E	75	20.1	43	25°	BRIDGELUX VERO 18 LES 18	---	92.76.263.00	
2-1092-E				36°				
2-1093-E				60°				
2-1102-E	75	15.2	43	13°	PARAGONLED CBAC-83-30135 LES 13.5	---	---	• BRIDGELUX VERO 13
2-1103-E				26°				
2-1426-E				47°				
2-1429-E	75	20	43	18°	PARAGONLED CBAC-88-36185 22W LES 18.5	---	---	---
2-1430-E				23°				
2-1431-E				50°				
2-1552-A	75	19.9	43	15°	BRIDGELUX VERO SE 13B LES 13	---	92.76.374.00	
2-1551-A				24°				
2-1550-A				38°				
2-1549-A	75	24.8	43	65°	BRIDGELUX VERO SE 18B LES18	---	92.76.375.00	
2-1552-A2				22°				
2-1551-A2				28°				
2-1550-A2				40°				
2-1790-A	75	20	43	60°	OSRAM PL-CORE-Z6-MINI -3000 LES 13	---	---	
2-1588-E				15°				
2-1589-E				28°				
2-1590-E				40°				
2-1591-E	75	22.8	43	60°	OSRAM PL-CORE-AC-2000-G2 LES 19	---	92.76.233.00	
2976-E				18°				
2977-E				25°				
2978-E				42.8				
2-1033-E	85	25.4	70	43	CREE CXA2520 LES 19	92.70.134.00	---	---
3-1646-E				18°				
3-1647-E				24°				
3-1648-E				34°				
3-1468-E	85	20.1	51	15°	BRIDGELUX VERO13 LES 13	---	92.76.263.00	
3-1469-E				24°				
3-1484-E				36°				
3-1816-E	85	25	51	59°	CITIZEN CLC251 LES 19	---	92.76.340.00	
3-1864-E				16°				
3-1865-E				24°				
3-1866-E	85	20	51	42°	OSRAM PL-CORE-Z6-MINI -3000 LES 13	---	---	
3-1922-E				58°				
3-1965-E				24°				
3-1966-E	85	22.8	51	36°	CITIZEN CLC241 LES 17	---	92.76.233.00	
3-1984-E				12°				
3-1377-E				20°				
3-1867-E	95	23	80	38°	LUMILEDS 1208 LES15	99.02.73.181	---	
3-1858-E				18°				
3-1859-E				25°				
3-1860-E	95	20.1	48	33°	BRIDGELUX VERO 18 LES 18	---	92.76.263.00	
3-1594-E				18°				
3-1542-E				24°				
3-1543-E				36°				
3-1544-E	95	20.1	48	56°				

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	METAL ADAPTER	COMPATIBLE LIGHT SOURCE
3-1640-E	95	37	45.5	26°	BRIDGELUX VERO 29 LES 29	---	92.76.227.00	• BRIDGELUX VERO 13
3-1641-E				38°				
3-1642-E				48				
3-1923-E	95	25	55	15°	CITIZEN CLC251 LES 19	---	92.76.340.00	
3-1924-E				25°				
3-1925-E				40°				
4-1638-E	111	20.1	65	15°	BRIDGELUX VERO 18 LES 18	---	92.76.263.00	
4-1731-E				27°				
4-1886-E				36°				
4-1887-E	111	20.1	65	55°	BRIDGELUX VERO 18 LES 18	---	92.76.263.00	
4-2126-E				70°				
4-2140-B				34° *59°				
4-1664-E	111	37	65	24°	BRIDGELUX VERO 29 LES 29	---	92.76.227.00	---
4-1666-E			64.9	40°				
4-1820-E			65	55°				
4-2177-E	111	22.8	65	13°	OSRAM PL-CORE-AC-2000-G2 LES 19	---	92.76.233.00	
4-1891-E				36°				
4-1761-E	111	22.8	65	14°	LUMENS EDC_57C_30W LES 21	---	92.76.233.00	• NICHIA NFCLJ060B
4-1762-E				24°				
4-1763-E				36°				
4-1940-E				58°				
4-1990-E	111	22.8	65	38°	NICHIA NFCLJ060B LES 11.5	TE 2213382-2	92.76.233.00	---
4-1991-E				48°				
4-2102-E	111	20	65	12°	PARAGONLED CBAC-88-36185 22W LES 18.5	---	---	
4-2103-E				24°				
4-2173-E	111	25	65	15°	CITIZEN CLC251 LES 19	---	92.76.340.00	
4-2174-E				25°				
4-2175-E	111	22.8	65	9°	CITIZEN CLC241 LES 17	---	92.76.233.00	
4-2176-E				31°				
4-2269-A	111	36	65	24°	BRIDGELUX VERO SE 29B LES 29	---	---	
4-2270-A				40°				
4-2271-E				62°				



FJ Series

Light Pipe Reflector
光导反光罩



导光柱方案可以有效地优化杂散光，使光斑过渡更均匀。

Reduce the light field. More evenly light shape

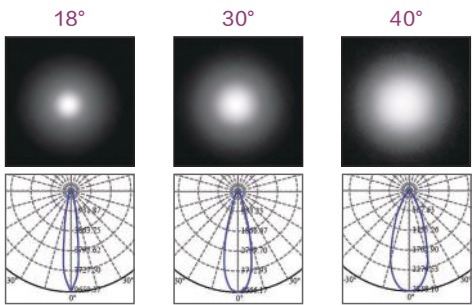
CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	LENS	COMPATIBLE LIGHT SOURCE
1426-N	50	19.9	23.8	20°	CREE CXA1520 LES 9.8	92.70.046.00	92.70.147.00	HOLDER: 92.70.051.00 • BRIDGELUX V4 HD HOLDER: 92.70.044.00 • NICHIA NFCWL036B HOLDER: 92.70.064.00 • BRIDGELUX V6 HD •CITIZEN CLU028 • LUMINUS CXM-9 HOLDER: 92.70.043.00 • CITIZEN CLU7A2 • LUMINUS CXM-6 HOLDER: 92.70.046.00 • CREE CXA1520
1436-N				24°				
1437-N				39°				
2-1258-N	75	30.2	38	24°	CREE CXA2520 LES 19	92.70.045.00	92.70.059.00	HOLDER: 92.70.065.00 • BRIDGELUX V9 HD • CITIZEN CLU038 • LUMINUS CXM-11-AC30/ CXM-14-AC40 • OSRAM OPTO SOLERIQ S13 / SOLERIQ S15 HOLDER: 92.70.045.00 • CREE CXA2520 • LUMILEDS 1208 • NICHIA NFCWD084B/NFCWJ108B/NFCWJ120B/NFCWD096B HOLDER: 92.70.074.00 • CREE CXA1816
2-1299-N				26°				
2-1259-N				38°				
3-1698-N	85	31.8	43	22°	CREE CXA2520 LES 19	92.70.045.00	92.70.089.00	HOLDER: 92.70.065.00 • CITIZEN CLU038 •CITIZEN CLU038 • LUMINUS CHM-9-XH20/CXM-11-AC30/CXM-14-AC40 • CREE CMT1922 • OSRAM OPTO SOLERIQ S19/SOLERIQ S13/SOLERIQ S15 • BRIDGELUX V9 HD HOLDER: 92.70.045.00 • NICHIA NFCWD084B/NFCWJ108B/NFCWJ120B/ NFCWD096B/NFDWJ130B/NVEWJ048Z • LUMILEDS 1208 HOLDER: 92.70.074.00 • CREE CXA1816
3-1699-N				24°				
3-1700-N				38°				
3-1701-N	92	38	43	20°	CREE CXA2520 LES 19	92.70.045.00	92.70.061.00	HOLDER: 92.70.065.00 • CREE CMT1922 •BRIDGELUX V9 HD • LUMINUS CHM-9-XH20/CXM-11-AC30/CXM-14-AC40 • OSRAM OPTO SOLERIQ S19/SOLERIQ S13/SOLERIQ S15 • CITIZEN CLU038 HOLDER: 92.70.045.00 • NICHIA NFCWD084B/NFCWJ108B/NFCWJ120B/ NFCWD096B/NFDWJ130B/NVEWJ048Z • LUMILEDS 1208 HOLDER: 92.70.074.00 • CREE CXA1816
3-1742-N				27°				
3-1703-N				39°				

AF Series

Light Pipe Reflector
光导反光罩



AL



导光柱方案可以有效地优化杂散光，使光斑过渡更均匀。
Light pie improves the fields , more evenly light shape.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	LENS	COMPATIBLE LIGHT SOURCE
1676-A	49.6	20	27	20°	CREE CXA1512 LES 8.9	92.70.046.00	92.70.147.00	- CITIZEN CLU028 - LUMILEDS 1203 - LUMINUS CXM-9-AC40 - SEOUL SAWx10 - NICHIA NFCWL036B
1677-A				35°				
1678-A				40°				
2-1606-A	62	20	31	15°	CREE CXA1507 LES 8.9	92.70.046.00	92.70.147.00	
2-1607-A				28°				
2-1608-A				38°				
2-1570-A	69	20	37	14°	CREE CXA1512 LES 8.9	92.70.046.00	92.70.147.00	- CITIZEN CLU028 - LUMILEDS 1203 - SEOUL SAWx10 - NICHIA NFCWL036B
2-1571-A				26°				
2-1572-A				36°				
2-1609-A	75	20	38	15°	CREE CXA1520 LES 9.8	92.70.046.00	92.70.147.00	
2-1610-A				24°				
2-1611-A				36°				
2-1650-A	75	29.4	41	18°	CREE CXA1816 LES 12	92.70.129.00	97.70.148.00	- CITIZEN CLU721 - LUMILEDS 1208
2-1651-A				30°				
2-1652-A				40°				
3-2016-A	85	32	46	15°	LUMILEDS 1205 LES 13	92.70.045.00	92.70.089.00	- CREE CXA2520 - LUMINUS CXM-14-AC40 - NICHIA NVEWJ048Z
3-2017-A				25°				
3-2018-A				39°				
3-2019-A	95	32	51	16°				
3-2020-A				25°				
3-2021-A				46°				

BK Series

Commercial Lighting Lens
Series

商照射灯透镜系列



PMMA

- 应用于商业照射手灯类透镜产品。
- 高中心光强及出光效率。
- 兼配 NATA Zhaga 支架和 BJB 360 支架。

- Designed for commercial lighting fixture applications.
- High center intensity and efficiency.
- Compatible with NATA Zhaga and BJB 360 series holders.

CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER
62-0028	55	18	27.5	15°	LUMILEDS 1203 LES 9.8	92.70.410.00 BJB 47.360.1110
62-0029				24°		
62-0030				36°		
62-0031	69	23	33.5	15°	LUMILEDS 1205 LES 13	92.70.411.00 BJB 47.360.5080
62-0032				24°		
62-0033				38°		
62-0012	75	28	35.5	15°	CREE CXA1820 LES 13	92.70.429.00 BJB 47.360.1040
62-0013				24°		
62-0014				38°		
63-0011	85	32	36	15°	LUMILEDS 1208 LES 15	92.70.411.00 BJB 47.360.5080
63-0012				28°		
63-0013				38°		

模块化接口设计
Modular Interface



COB Lens Series

COB 透镜系列



PMMA/PC

- 光斑均匀，低眩光。
- 小中大角度，尺寸系列齐全。
- 适用于室内服装照明、酒店照明、商场照明等。

- Evenly light shape, low glare.
- Complete range of size and beam angles.
- Suitable shop lighting and hotel lighting.

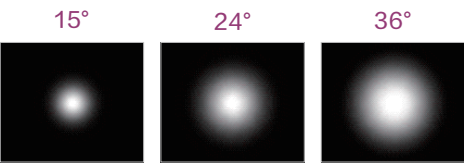
CODE	D	D1	H	FWHM	LIGHT SOURCE	COMPATIBLE LIGHT SOURCE
61-0076	29	12.4	14	24°	CREE CXA1507 LES 8.9	
61-0004				35°		
61-0005				45°		
61-0006				60°		
61-0009	30	10.6	14	24°	CREE CXA1512 LES 8.9	
61-0010				30°		
61-0011				40°		
61-0012				50°		
61-0013				60°		
61-0014	35	12	12	24°	LUMILEDS 1202s LES 6.0	- BRIDGELUX V4HD - CITIZEN CLU7A2 - CREE CXA1304 - LUMINUS CXM-4-AC40 - CXM-6-AC40
61-0015				38°		
61-0016				60°		
61-0017	35.8	15	14	24°	CITIZEN CLU710 LES 8.5	- CREE CXA1304/CXA1507 - LUMINUS CXM-6-AC40
61-0018				38°		
61-0019				60°		
61-0022	44	14	14.4	24°	CITIZEN CLU028 LES 9.8	- TRIDONIC SLE G7 9MM - XICATO XOB LES 9.8MM
61-0023				38°		
61-0022	44	14	14.4	24°	CREE CXA1512 LES 8.9	CREE CXA1304
61-0023				38°		

CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER	COMPATIBLE LIGHT SOURCE
62-0055	63	21	32	19°	CREE CXA1830 LES 14	92.70.129.00	- TRIDONIC SLE G7 13MM - SLE G7 15MM
62-0056				24°			
62-0057				37°			
62-0018	63	18	38	12°	CREE CXA1512 LES 8.9	92.70.185.00	XICATO XOB LES 9.8MM
62-0019				24°			
62-0020				36°			

BM Series

Fresnel Lens

菲涅尔透镜



可搭配支架，方便安装
Easy install holder

- 与常规杯型透镜相比，有体积小、重量轻、结构紧凑的优点。
- 有更好的聚光性和成像性能，收光效果更佳。
- 加大光源与透镜的散热空间，可靠性更高。
- 专用支架，装配简易，与支架固定。

- Suitable for Commercial Spot light and Downlight.
- Compare with general lens, this range has smaller size,lighter and better structure.
- More space leave for light source and lens forheat radiating, safer.
- With easy install holder.

CODE	D	D1	H	FWHM	LIGHT SOURCE	HOLDER
61-0065	35	25.1	12	24°	CREE CXA1304 LES 6.0	92.70.110.00
61-0066				36°		
62-0034	70	45.2	18	15°	CREE CXA1507 LES 8.9	92.70.109.00
62-0035				24°		
62-0036				38°		

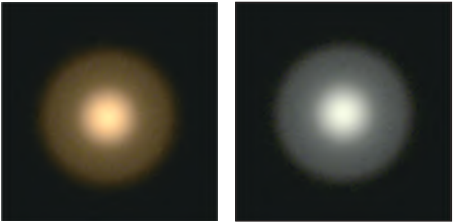


PC

AG Series

CCT Switchable Reflector

双色温反光罩



- 反光杯，支架和混光罩三位一体的光学模组。
- 优秀的混光效果，无色散，无色漂移。
- 搭配调光调色光源，满足各种场合对色温的要求。

- Reflector-light pie-lens fixation as a module.
- Nice Color Mixing.
- Dimming light source to meet the requirements of color temperature in various occasions.

应用场景

商店、零售、家居、酒店。

Application

Shops, Retail, House, Hotel.



AL

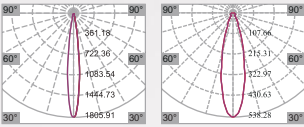
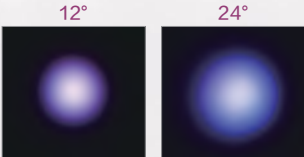
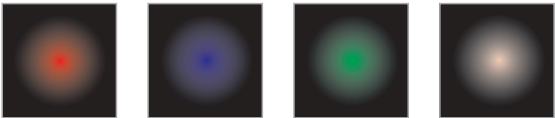
COLOR MIXING

混色照明

CC Series

Color Mixing Lens

混光透镜



- 可点单色光(红光、绿光、蓝光)，并可以同时点亮且混光均匀。
- 实现四种颜色光变换。
- 应用场合:建筑照明、舞台照明。
- Can be single color (RGB) or all light up and color mixing.
- 4 colors exchange.
- Good for architectural lighting or stage lighting.

CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
61-0077	40.5	7.6	21.8	12°	CREE XML COLOR LES 5.0	SERIES LENS
61-0078				24°		

应用场景

舞台灯、建筑亮化、景观照明、娱乐场所。

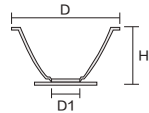
Application

Stage Lighting, Building Lighting, Landscape Lighting, Entertainment Lighting.



PMMA

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE	HOLDER	LENS	COMPATIBLE LIGHT SOURCE	
1701-A	50	19.4	23.8	28°	CITIZEN LCN-C01B LES 10.9	92.70.150.00	92.70.152.00	• CITIZEN LCN-C02B LES 14.5	
1702-A									
2-1719-A	75	19.4	43	13°	CITIZEN LCN-C01B LES 10.9	92.70.150.00	92.70.152.00	• CITIZEN LCN-C02B LES 14.5	
2-1720-A				24°					
2-2158-A	75	23.2	43	19°	PHILIPS SLM 927 TW L11 2024 G1 LES 11	92.70.257.00	92.70.153.00	HOLDER: 92.70.151.00 • CITIZEN LCN-C03A LES 18.2	
2-2159-A				28°					
2-2160-A				40°					
3-2079-E	85	23.2	51	16°	PHILIPS SLM 927 TW L11 2024 G1 LES 11	92.70.257.00	92.70.153.00		HOLDER: 92.70.257.00 • PHILIPS SLM 957 TW L15 2024 G1
3-2438-A				24°					
3-2439-A				36°					
3-2080-E				31°	CITIZEN LCN-C03A LES 18.2	92.70.151.00			
3-2440-A	95	35.5	55	16°	PHILIPS SLM 927/57 TW L11 2024 G1 LES 11	92.70.257.00	92.70.153.00	HOLDER: 92.70.151.00 • CITIZEN LCN-C03A LES 18.2	
3-2441-A				24°				HOLDER: 92.70.257.00 • PHILIPS SLM 957 TW L15 2024 G1	
3-2442-A				38°					



Floodlight Reflector Series

投光灯反光罩



- 出光效率 > 96%。
- 耐高温，高耐候性。
- 专业配光，随意阵列排布，满足各种阵列排布及功率要求。

- Light output efficiency > 96%.
- High temperature resistance and high weather resistance.
- Supports multiple array arrangements and power needs.

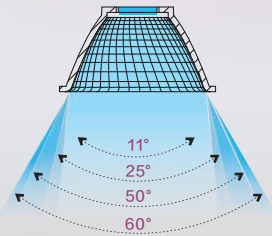


AL

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE
1-1653-LM	29	8.2	15.5	17°	NICHIA NV4L144AM
1-1655-LM				40°	

UV-C Series

Irradiance Control Reflector
辐照调控反光罩



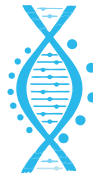
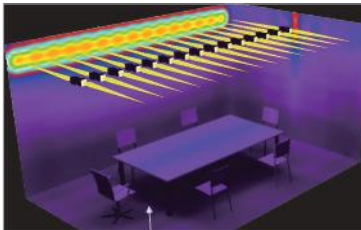
四种控光角度提供选择
4 beam angles for selection



BOLB SMD
6060



AL



Before
Irradiation



After
Irradiation

DNA
Strand Breaks

- 利用光学反光罩控制辐照范围及角度, 有效提高灭菌能力。
- 本系列反光杯采用高纯度高反射铝材制作, 兼具安全性与高效性能。

- The optic designed reflector to control the irradiance area to enhance the sterilization ability.
- The reflectors are made by high purity aluminum. High performance and safety are considered. 3 beam angles for selection.

CODE	D	D1	H	FWHM	MAIN LIGHT SOURCE
1-1239-A2	23	6.3	12.5	11°	BOLB SMD 6060
1-1240-A2				25°	
1-1241-A2				50°	
1-1262-A2				60°	

应用场景
医院，公共场所

Application
Hospital, Public Places



Street Light Lens Series

街灯&路灯透镜系列



PC



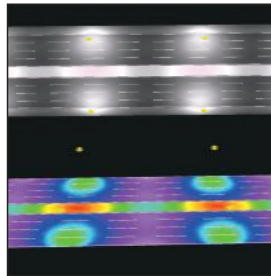
75° X 150°



80° X 150°



75° X 145°



- 满足CJJ45-2015路灯照明标准的要求。
- 多种尺寸及不同车道数的路灯透镜可选。
- 较长的距高比，可少排布灯杆，节省成本。
- 适用于快速车道照明、主干道照明、支路照明，乡村道路照明等。

- Accordance to the CJJ45-2015 street lighting standards.
- Range of dimensions and for various lanes for selection.
- Longer height-to-height ratio, less poles and cost saving.
- Suitable for highway lighting, Main Road lighting, Branch Road lighting, Country Road lighting, etc.



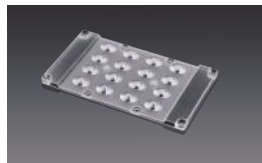
CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
60-0014	11	5	4.2	75° *150°	LUMILEDS 3030 LES 3.0	ASYMMETRIC STREET LIGHT (TYPE II, MEDIUM)
60-0015	16	7.4	5.3	75° *150°	LUMILEDS 5050 LES 5.0	



CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
61-0039	50	4	5.8	160°	CREE XP-E2 LES 3.5	4 IN 1 SYMMETRIC STREET LIGHT (TYPE V, MEDIUM)



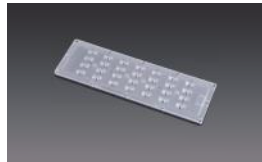
CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
61-0042	50	6	5.2	50° *145°	CREE XP-E2 LES 3.5	12 IN 1 ASYMMETRIC STREET LIGHT (TYPE I, SHORT)
61-0043			4.9	70° *140°		12 IN 1 ASYMMETRIC STREET LIGHT (TYPE II, SHORT)
61-0041			4.2	150°		12 IN 1 SYMMETRIC STREET LIGHT (TYPE V, SHORT)



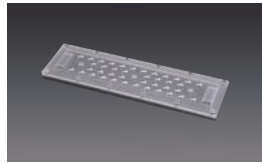
CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
64-0001	160	7.5	7.3	85° *150°	LUMILEDS 5050 LES 5.0	16 IN 1 ASYMMETRIC STREET LIGHT (TYPE II, SHORT)



CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
64-0002	173	6	5.8	85° *150°	CREE XHP35 LES 3.5	12 IN 1 STREET LIGHTING (TYPE II, SHORT)



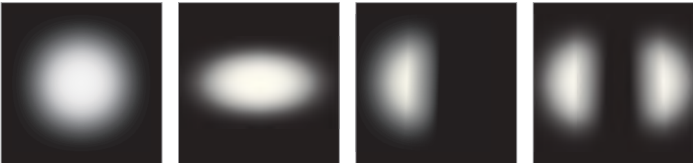
CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
66-0014	250	8.2	8.8	75° *145°	CREE XP-E2 LES 3.5	28 IN 1 STREET LIGHTING (TYPE II, SHORT)



CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
67-0009	280	7	7.9	80° *150°	LUMILEDS 3030 LES 3.0	30 IN 1 STREET LIGHTING (TYPE II, SHORT)

Flood / Highbay
Lowbay Series

投光灯&高棚灯&工矿灯系列



圆形 Round 椭圆 Oval 单偏 Asymmetric 双偏 Symmetric

- 多尺寸、多角度可选。
- 圆形、椭圆、单偏、双偏多配光。
- 适用于矿业照明、仓库照明、油站照明等。
- Various sizes and beam angles available.
- Round, oval, symmetric and asymmetric light shapes available.
- Suitablefor Mining lighting, warehouse lighting, filling station lighting.



PC



CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
61-0070	50	5	8.56	30°	LUMILEDS 3030 LES 3.0	4 IN 1 TIR LENS
61-0071		7	9.2	60°		
61-0072			8.04	90°		



CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
66-0004	160	10	18.1	70°	LUMILEDS 3030 LES 3.0	30 IN 1 HIGH BAY
67-0008	190	6.2	7.9	90°		42 IN 1 HIGH BAY
69-0001	250	6.3	10	115°		54 IN 1HIGH BAY



CODE	D	D1	H	FWHM	LIGHT SOURCE	TYPE
66-0005	250	5.6	7.7	30° (P15°)×90°	LUMILEDS 3030 LES 3.0	40 IN 1 WAREHOUSE LIGHT
66-0006				55° (P15°)×90°		
66-0008				60° X100°		
66-0007		8.5	6.7	120°		40 IN 1 HIGH BAY

High Bay Reflector Series
高棚灯反光罩系列



AL

10-0053-A



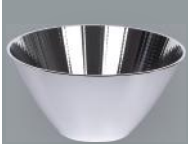
D×H: **267.8 x 182.7**
FWHM: **60°**
OSRAM 100W LED 3030

10-0017-A



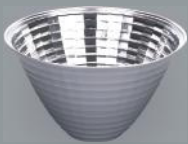
D×H: **270 x 126**
OSRAM 100W LED 3030

10-0067-A



D×H: **278 x 136**
FWHM: **10°**
CITIZEN CLU550 LES32.8

11-0100-K



D×H: **286.5 x 169.4**
OSRAM 100W LED 3030

13-0048-K



D×H: **350 x 137.5**
OSRAM 100W LED 3030

14-0035-A



D×H: **367.5 x 156**
OSRAM 100W LED 3030

14-0025-A



D×H: **371 x 90**
OSRAM 100W LED 3030

14-0033-K



D×H: **380.5 x 87.5**
OSRAM 100W LED 3030

15-0020-K



D×H: **386 x 135.2**
OSRAM 100W LED 3030

15-0021-K



D×H: **386 x 110**
OSRAM 100W LED 3030

15-0025-K



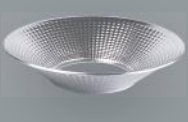
D×H: **400 x 183.6**
OSRAM 100W LED 3030

15-0011-A



D×H: **401 x 96.7**
OSRAM 100W LED 3030

16-0064-A



D×H: **419 x 89.7**
OSRAM 100W LED 3030

16-0063-A



D×H: **419 x 234.1**
OSRAM 100W LED 3030

16-0042-A



D×H: **423.5 x 290.1**
FWHM: **65°**
OSRAM 100W LED 3030

16-0059-K



D×H: **430 x 87.3**
OSRAM 100W LED 3030

17-0032-K



D×H: **440 x 163**
OSRAM 100W LED 3030

17-0033-F



D×H: **445 x 129**
OSRAM 100W LED 3030

19-0021-A



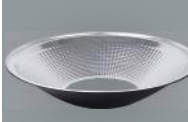
D×H: **489 x 295.1**
FWHM: **16°**
OSRAM 100W LED 3030

19-0019-A



D×H: **500 x 292.3**
FWHM: **35°**
OSRAM 100W LED 3030

20-0017-K



D×H: **502.8 x 102.2**
OSRAM 100W LED 3030

20-0019-F



D×H: **514 x 156**
OSRAM 100W LED 3030

20-0019-K



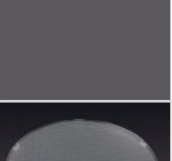
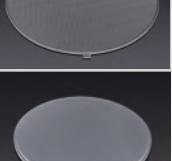
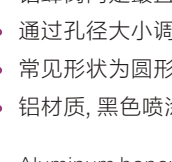
D×H: **514 x 156**
OSRAM 100W LED 3030

20-0006-A



D×H: **524.7 x 130.9**
FWHM: **95°**
OSRAM 100W LED 3030

OPTICAL LENS

VIEW	SERIES	MODEL	D × T
	DV	97.70.247.00	33 × 1.5
		97.70.245.00	42.5 × 1.5
		97.70.374.00	60.4 × 1.5
		97.70.375.00	66.4 × 1.5
		97.70.376.00	72.5 × 1.5
		97.70.377.00	80.5 × 1.5
		92.70.378.00	35 × 1.5
		92.70.363.00	45 × 1.5
		92.70.364.00	50 × 1.5
		92.70.379.00	63 × 1.5
	EW	92.70.380.00	69 × 1.5
		92.70.365.00	75 × 1.5
		92.70.279.00	85 × 1.5
		92.70.280.00	95 × 1.5
		92.70.395.00	35 × 1.5
		92.70.396.00	45 × 1.5
		92.70.397.00	50 × 1.5
		92.70.398.00	63 × 1.5
		92.70.400.00	63 × 1.5
		92.70.401.00	69 × 1.5
	FA	92.70.402.00	85 × 1.5
		92.70.403.00	95 × 1.5
		92.70.385.00	35 × 1.5
		92.70.386.00	45 × 1.5
		92.70.388.00	50 × 1.5
	FG	92.70.393.00	63 × 1.5
		92.70.394.00	75 × 1.5
		97.70.047.00	40.8 × 1.4
		97.70.054.00	58.8 × 1.4
		97.70.088.00	69 × 1.5
	FJ	97.70.141.00	75 × 1.5
		97.70.146.00	85 × 1.5
		97.70.158.00	47.4 × 1.2
		97.70.058.00	71.8 × 1.3
		97.70.062.00	81.8 × 1.2
	—	97.70.063.00	89.8 × 1.3
		92.70.138.00	75 × 1.5
		92.70.157.00	75 × 1.5
		92.70.139.00	75 × 1.5
		92.70.140.00	75 × 1.5
		92.70.163.00	75 × 1.5

HONEYCOMB

- 铝蜂窝网是最直接简单的防眩配件。

• 通过孔径大小调整防眩效果。

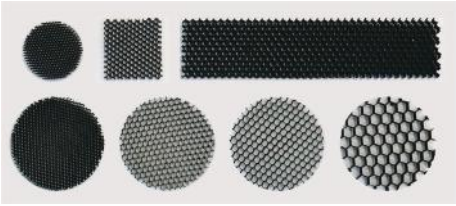
• 常见形状为圆形及矩形, 尺寸及形状可以订制。

• 铝材质, 黑色喷涂。

• Aluminum honeycomb grids are the most direct and simple glare-reducing accessories.

• The glare-reducing effect can be adjusted by the size of the aperture.

• The common shapes are circular and rectangular, and the size and shape can be customized.

• Made of aluminum material, with black coating.
- |  | | | | |
|--|-----|-----|-----|------|
| Thickness | 2 | 3 | 4 | 5 |
|  | 1.8 | 1.8 | 3.5 | 2.5 |
| | 2.5 | 2.5 | 5.2 | 3.5 |
| | 3 | 3 | | 4.4 |
| | 3.5 | 3.5 | | 5.2 |
| | 5.2 | 4.4 | | 7 |
| | | 5.2 | | 8.5 |
| | | 7 | | 10.5 |
- METAL ADAPTAR
- | VIEW | MODEL | DIA | H | COB |
|---|--------------|-------------|-----|-------------|
|  | 92.76.263.00 | 36.1 × 24.6 | 2.4 | VERO 13/18 |
|  | 92.76.227.00 | 51 | 3.7 | VERO 29 |
|  | 92.76.319.00 | 40 | 4.5 | EDC-44C/47C |
|  | 92.76.323.00 | 41 | 2.7 | SLM H / TE |
|  | 92.76.233.00 | 40.8 | 2.2 | SLM H / TE |
|  | 92.76.330.00 | 41 | 2.9 | SLM H / TE |
|  | 92.76.172.00 | 48.6 | 2.0 | SLM H / TE |
|  | 92.76.365.00 | 44 | 4.3 | SLM H / TE |
|  | 92.76.374.00 | 40 | 4.6 | Vero SE 13B |
|  | 92.76.375.00 | 40 | 4.6 | Vero SE 18B |
|  | 92.76.853.00 | 35 | 3.9 | AU-G2 / TE |
- NATA-LED-HOLDER
- | PART NUMBER | VIEW | HOLDER TYPE | SIZE | PCB DIMENSION | | | | | | | | | | | | | | | | |
|------------------------|---|-------------|------------|---------------|--|---|--|---|--|-------------------------------------|--|--|--|--|--|--|--|--|--|--|
| 99.02.73.174 |  | poke in | | 12 x 15 | LUMILEDS 1202s 1203 | NICHIA NJCWS024Z-V1 NVNWS007Z-V1 | NTCWT012B-V3 NTCWS024B-V3 | | | | | | | | | | | | | |
| | | | | | BRIDGELUX V10B G7 V6 HD | LUMINUS CXM-9-AC30 CLM-9-AC30 CIM-9-AC30 CHM-9-XD22 | SAMSUNG LC003D LCO06D LC009D LC013D LC008B LC010C | SEOUL ZC6 MTJ 6W MTJ 9W MTJ 12W | TRIDONIC G3 LES10 G5 LES6 G5 LES10 | CITIZEN CLL020 CLL150 CLU02x CLU700 | OSRAM OPTO SOLERIQ S9 COB B-SERIES | CREE CMT1420 CHA 0304 CHA 0410 CHA 0612 CMU 1006 CMU 1010 CMU 1013 | | | | | | | | |
| 99.02.73.171 |  | poke in | Ø35 x H3.5 | 13.5 x 13.5 | EDISON OPTO 9W | VS DMC122 | EVERLIGHT XUAN1313 | SUNPU G16 | BMTC COB 7W | PARAGONLEDS PACB 022 | | | | | | | | | | |
| 7.42.040B 99.02.73.179 |  | poke in | Ø35 x H4.2 | 15.85 x 15.85 | BRIDGELUX H9 V10 G6 | CREE CXA1507 CXA1512 CXA1520 CMA1516 | PHILIPS SLM 1203 L09 G1 SLM 1202 L09 G1 | | | | | | | | | | | | | |
| 99.02.73.175 |  | poke in | Ø35 x H3.5 | 16 x 19 | LUMILEDS 1202S | NICHIA NFCWL036B-V3 | | | | | | | | | | | | | | |
| 7.42.041A 99.02.73.180 |  | poke in | Ø45 x H4.2 | 17.85 x 17.85 | BRIDGELUX H12 LUMENS 1812HE | CREE CXA18xx CXB18xx CMA18xx | PHILIPS SLM 1205 L12 G1 SLM 1204 L12 G1 | OSRAM OPTO SOLERIQ S13 G1 SOLERIQ P13 G1 | | | | | | | | | | | | |
| 99.02.73.172 |  | poke in | Ø45 x H3.5 | 19 x 19 | BRIDGELUX V13B G7 V9 HD | LUMINUS CIM-14-AC30 CLM-14-AC30 CXM-14-AC30 CGM-14-AC40 CXM-11-AC32 | OSRAM OPTO SOLERIQ S13 G2 S13 RU-30S3-0 S15 ST-30S3-0 | VS DMC 114 DMC 125 DMC 128 DMC 099 | TRIDONIC G4 LES15 G5 LES15 G6 LES15 G6 LES17 | ITSWELL COB-N SERIES XUAN1919 | SAMSUNG LC020C LC030C LC040C LC016D LC019D LC026D LC033D | CREE CMT1922 CMU 1516 CMU 1519 CMU 1526 CMU 1532 | | | | | | | | |
| | | | | | CITIZEN CLL03X CLL091 CLU03X CLU710 CLU720 | SEOUL ZC12/ZC18 MTJ18W/24W/30W | LEATECH LP30N3-84N-B131299 | LITEON M045 OPTO 30W | EDISON COB 20W COB 30W | BMTC | | | | | | | | | | |
| 99.02.73.181 |  | poke in | Ø50 x H3.5 | 20 x 24 | LUMILEDS 1204 1205 1208 | NICHIA NSCLJ216AE NSCLJ108BE NFDLJ1308E NVEWJ048Z-V1 NFCWD084B-V3 | NFCWD096B-V3 NFCWJ108B-V3 NFCWD096B-V3 NFDWJ130B-V3 NFCWJ120B-V3 | LEATECH LP30N3-84N-B131303 | EVERLIGHT JU2024 | | | | | | | | | | | |
| 99.02.73.167 |  | poke in | Ø44 x H3.4 | 23.85 × 23.85 | BRIDGELUX V18B G7 | LUMENS ERGON COB 25xx | CREE CXA25xx CMA2550 | OSRAM OPTO SOLERIQ S19 | | | | | | | | | | | | |
| 99.02.73.173 |  | poke in | Ø45 x H3.5 | 28 x 28 | BRIDGELUX V22B G7 V22 G6 | CITIZEN CLL04X CLU046 CLU04X CLU730 | GLBTECH GME2821 | LUMINUS CXM-22-AC00 CLM-22-AC30 | SEOUL ZC25 ZC40 ZC60 MTJ 40W/ 60W/80W | SAMSUNG LCO40D LCO60D LC080D | LUMILEDS 1211 1216 | CREE CXA30xx CMA3090 CMU 2236 CMU 2239 CMU 2258 CMU 2287 | | | | | | | | |
| | | | | | LUMENS ERGON COB 30xx | EDISON OPTO 40W | LG LEMWM 28 - 40W | ITSWELL COB-Q SERIES | SUNPU G7 | | | | | | | | | | | |
| 92.70.457.00 |  | soldering | Ø24x H3.5 | 12 x 15 | BRIDGELUX Vesta Dim-To-Warm LES6mm GEN2 | NICHIA NTCWS024B-V3 NFCWS024B-V3 NTCWS024B-V4H6 (H6 Series) | NFCWS024B-V5 NVNWS007Z-V1 NJCWS024Z-V1 | NFCWS024B-V5 NVNWS007Z-V1 NTCWT012B-V3 NTCWS024B-V3 | PHILIPS SLM 1202 L06 1215 G7 SLM 1202 L06 1215 G7+ SLM C 1202 L06 1215 G7 HE | | | | | | | | | | | |
| 92.70.044.00 |  | soldering | Ø25 x H2.6 | | | | | | | | | | | | | | | | | |
| 92.70.186.00 |  | soldering | Ø35 x H3.0 | | LUMILEDS 1202 1203 | NICHIA NJCWS024Z-V1 NVNWS007Z-V1 | NTCWT012B-V3 NTCWS024B-V3 | | | | | | | | | | | | | |
| 92.70.273.00 |  | soldering | Ø35 x H3.0 | | LUMILEDS 1202s | NICHIA NTCWS024B-V3 | | | | | | | | | | | | | | |
| 92.70.125.00 |  | soldering | Ø35 x H3.5 | 12.5 x 12.5 | BRIDGELUX Vesta® Dim-To-Warm LES9 | LUMILEDS 1202 1203 | NICHIA NJCWS024Z-V1 NVNWS007Z-V1 NTCWT012B-V3 NTCWS024B-V3 | | | | | | | | | | | | | |
| 92.70.409.00 |  | soldering | Ø24 x H3.0 | | BRIDGELUX V4HD | LUMINUS CXM-6-AA00 V8 V4 HD | | | | | | | | | | | | | | |
| 92.70.308.00 |  | soldering | Ø25 x H2.6 | | BRIDGELUX V6 V8 V4 HD | LUMINUS CXM-6-AA00 CXM-7-AA00 | | | | | | | | | | | | | | |
| 92.70.051.00 | | soldering | Ø25 x H2.6 | | | | | | | | | | | | | | | | | |
- 47 REFLECTOR · LENS · OPTIC DESIGN
- NATA OPTICS WWW.NATA.CN 48

NATA-LED-HOLDER

PART NUMBER	VIEW	HOLDER TYPE	SIZE	PCB DIMENSION								
92.70.272.00		soldering	Ø26 x H3.0	12.5 x 12.5	BRIDGELUX V4HD							
92.70.122.00		soldering	Ø35 x H3.5		BRIDGELUX V6 V8 V4 HD							
92.70.426.00		soldering			LUMINUS CXM-6-AA00 CXM-7-AA00							
92.70.110.00		soldering	Ø33.7xH5.05	13.35 x 13.35	BRIDGELUX H6 CITIZEN CLU70X	CREE CXA13xx	LUMINUS CXM-6-AC30 CXM-6-XH20	PHILIPS SLM 1201 G1	SEOUL SAWx06	TRIDONIC SLE 6		
92.70.458.00		soldering	Ø24 x H3.5	13.5 x 13.5	BRIDGELUX V3 HD V6 HD LUMILEDS CS COB	CITIZEN CLU7A3 CLU703 CLU701	CREE CHA 0304 CHA 0410 CHA 0612	LUMINUS CHM-4 GEN4 CXM-6 GEN4 CXM-3 GEN4(Pico-COB) CXM-4 GEN4(Pico-COB) CXM-4 GEN6	CXM-6 GEN4 CXM-6 GEN6	PHILIPS SLM C TW L06A 1313 G7N SAMSUNG LC010C GEN2	SEOUL SAWS-0661A TRIDONIC SLE SNC8	
92.70.307.00		soldering	Ø24 x H3.0		BRIDGELUX V3HD V6HD	CITIZEN CLU7A2 CLU7B2 CLU70X	LUMINUS CXM-3 CXM-4 CXM-6	TOYONIA T05 T10	CREE CXA13xx CMT1420 CHA 0304	CHA 0410 CHA 0612		
92.70.259.00		soldering	Ø24 x H3.5		BRIDGELUX V6HD	CITIZEN CLU70x	LUMINUS CXM-6	SEOUL SAWx06	CREE CMT1420 CHA 0304 CHA 0410 CHA 0612	CMU 1006 CMU 1010 CMU 1013		
92.70.043.00		soldering	Ø25 x H2.6		BRIDGELUX H6	CITIZEN CLU70X	LUMINUS CXM-6-AC30 CXM-6-XH20	PHILIPS SLM 1201 G1	SEOUL SAWx06	TRIDONIC SLE 6	CREE CXA13xx CMT1420 CHA 0304	CHA 0410 CHA 0612
92.70.064.00		soldering			BRIDGELUX V10B G7 V6 HD	CITIZEN CLL02X CLL150 CLU02x CLU700	LUMINUS CXM-9-AC30 CLM-9-AC30 CIM-9-AC30 CHM-9-XD22	SAMSUNG LC003D LC006D LC009D LC013D	EDISON OPTO 9W TRIDONIC G3 LES10 G5 LES6 G5 LES10	OSRAM OPTO SOLERIQ S9 EVERLIGHT XUAN1313 PARAGONLEDS PACB 022	SEOUL ZC 6 MTJ 6W MTJ 9W MTJ 12W VS DMC122	CREE CMT1420 CHA 0304 CHA 0410 CHA 0612 CMU 1006 CMU 1010 CMU 1013
92.70.192.00		soldering	Ø25 x H3.5		CITIZEN CLU7A2 CLU7B2 CLU70X	LUMINUS CXM-3 CXM-4 CXM-6	CREE CMT1420 CHA 0304	CHA 0410 CHA 0612				
92.70.267.00		soldering	Ø26 x H3.0	BRIDGELUX V6HD			CITIZEN CLU7A2 CLU7B2 CLU70X	EDISON 2PHM10WW 38P55020 LES3.5	CREE CXA13xx			
92.70.246.00		soldering	Ø31 x H3.5	BRIDGELUX V10 PHILIPS SLM 1201/1202/1203/1204 G7N								
92.70.183.00		soldering	Ø35 x H3.0	CREE CXA13xx	BRIDGELUX H6	CITIZEN CLU70X	LUMINUS CXM-6-AC30 CXM-6-XH20	PHILIPS SLM 1201 G1	SEOUL SAWX06	TRIDONIC SLE 6		
92.70.234.00		soldering			BRIDGELUX V6HD V10 PHILIPS SLM 1201/1202/1203/1204 G7N	XICATO XOB LES 9.8MM	SEOUL SAWX10	CITIZEN CLU70x CLU02x	LUMINUS CXM-6 CXM-9	TRIDONIC SLE G7 9MM		
92.70.184.00		soldering										
92.70.124.00		soldering	Ø35 x H3.5	BRIDGELUX V10B G7 V6 HD	CITIZEN CLL02X CLL150 CLU02X CLU70X	LUMINUS CXM-9-AC30 CLM-9-AC30 CIM-9-AC30 CHM-9-XD22	CREE CMT1420 CHA 0304 CHA 0410 CHA 0612 CMU 1006 CMU 1010 CMU 1013	OSRAM OPTO SOLERIQ S9 PARAGONLEDS PACB 022	EVERLIGHT XUAN1313 ITSWELL COB B-SERIES			
92.70.427.00		soldering		SAMSUNG LC003D LC006D LC009D LC013D LC008B LC010C	SEOUL ZC 6 MTJ 6W MTJ 9W MTJ 12W	TRIDONIC G3 LES10 G5 LES6 G5 LES10	VS DMC122	BMT COB 7W	SUNPU G16			
92.70.123.00		soldering		BRIDGELUX H6	CITIZEN CLU70X	CREE CXA13xx	LUMINUS CXM-6-AC30 CXM-6-XH20	SEOUL SAWx06	TRIDONIC SLE 6	PHILIPS SLM 1201 G1		
92.70.187.00		soldering	Ø35 x H3.0	15 x 15	LUMINUS CLM-9-AA30 CHM-9-XD20							

NATA-LED-HOLDER

PART NUMBER	VIEW	HOLDER TYPE	SIZE	PCB DIMENSION									
92.70.126.00		soldering	Ø35 x H3.5	15 x 15	LUMINUS CLM-9-AA30 CHM-9-XD20								
92.70.046.00		soldering	Ø25 x H2.6	15.85 x 15.85	BRIDGELUX H9		LUMINUS CXM-6-AC30 CXM-6-XH20		CREE CXA1507 CXA1512 CXA1520 CMA1516			PHILIPS SLM 1203 L09 G1 SLM 1202 L09 G1	
92.70.110.00		soldering	Ø33x H3.2										
92.70.185.00		soldering	Ø35 x H3.0										
92.70.127.00		soldering	Ø35 x H3.5										
92.70.428.00		soldering											
92.70.109.00		soldering	Ø46.4xH5.5	16 x 19	LUMILEDS 1203 1202		NICHIA NFCWL036B-V3		LEATECH LP30N3-84N-B131303			EVERLIGHT JU2024	
92.70.188.00		soldering	Ø35 x H3.0										
92.70.132.00		soldering	Ø35 x H3.5										
92.70.410.00		soldering											
92.70.128.00		soldering		17 x 17	SAMSUNG LC013B LC019B								
92.70.074.00		soldering	Ø45 x H3.0	17.85 x 17.85	BRIDGELUX H12		CREE CXA18xx CXB18xx CMA18xx		OSRAM OPTO SOLERIQ S13 G1 SOLERIQ P13 G1			PHILIPS SLM 1205 L12 G1 SLM 1204 L12 G1	
92.70.129.00		soldering	Ø45 x H3.5										
92.70.429.00		soldering											
92.70.109.00		soldering	Ø46.4 x H5.5										
92.70.130.00		soldering	Ø45 x H3.5	18.5 x 18.5	LUMINUS CXM-11-AA30 CLM-14-AA30 CXM-14-AA30								
92.70.065.00		soldering	Ø45 x H3.0	19 x 19	BRIDGELUX V13B G7 V9 HD	LESTAR PB16H01 V4 PB19H01 V4 PB26H01 V4	OSRAM OPTO SOLERIQ S13 G2 S13 RU-30S3-0 S15 ST-30S3-0	SAMSUNG LC020C LC030C LC040C	SEOUL ZC12 ZC18 MTJ 18W 24W 30W	LUMINUS CIM-14-AC30 CLM-14-AC30 CXM-14-AC30 CGM-14-AC40 CXM-11-AC32	TRIDONIC G4 LES15 G5 LES15 G6 LES15 SUNPU G17		
92.70.131.00		soldering	Ø45 x H3.5		CREE CMT1922 CMU 1516 CMU 1519 CMU 1526 CMU 1532	CITIZEN CLL03X CLL091 CLU03X CLU710 CLU720	BMTC COB 20W COB 30W	LC016D LC019D LC026D LC033D					
92.70.412.00		soldering			EVERLIGHT XUAN1919			VS DMC 114 DMC 125 DMC 128 DMC 099					
92.70.121.00		soldering			EDISON OPTO 30W	LITEON M045	ITSWELL COB-N SERIES	LEATECH LP30N3-84N-B131299					

NATA-LED-HOLDER

PART NUMBER	VIEW	HOLDER TYPE	SIZE	PCB DIMENSION						
92.70.215.00		soldering	Ø40 x H5	20 x 24				LEATECH LP30N3-84N-B131303	NICHIA NSCLJ216AE NSCLJ108BE NFDLJ130BE	
92.70.045.00		soldering	Ø45 x H3.0		BRIDGELUX V18B G7 OSRAM OPTO SOLERIQ S19	CREE CXA25xx CMA2550	LUMENS ERGON COB 25xx	LUMILEDS 1204 1205 1208	NVEWJ048Z-V1 NFCWD084B-V3 NFCWD096B-V3 NFCWJ108B-V3 NFCWD096B-V3	
92.70.135.00		soldering	Ø45 x H3.5		BRIDGELUX Vesta Dim-To-Warm LES15				NFDWJ130B-V3	
92.70.411.00		soldering			EVERLIGHT JU2024					NFCWJ120B-V3
92.70.197.00		soldering								
92.70.257.00		soldering				PHILIPS SLM 927/57 TW L11/L15 2024 G1				
92.70.150.00		soldering	Ø45 x H3.5	20.3 x 20.3		CITIZEN LCN-C02B				
92.70.189.00		soldering	Ø45 x H3.0	21.5 x 21.5		BRIDGELUX V18 G6				
92.70.133.00		soldering	Ø45 x H3.5							
92.70.151.00		soldering	Ø45 x H3.5	23.8 x 23.8		CITIZEN LCN-C03A				
92.70.045.00		soldering	Ø45 x H3.0	23.85 x 23.85		BRIDGELUX V18B G7				
92.70.134.00		soldering	Ø45 x H3.5							
92.70.120.00		soldering	Ø45 x H3.5	28 x 28	BRIDGELUX V22B G7 V22 G6	CITIZEN CLL04X CLU04X CLU730	CREE CXA30xx CMA3090 CMU 2236 CMU 2239 CMU 2258 CMU 2287	LUMINUS CXM-22-AC00 CLM-22-AC30	SEOUL ZC25 ZC40 ZC60 MTJ 40W/60W/80W	
92.70.190.00		soldering	Ø45 x H3.0		LUMILEDS 1211 1216	SUNPU G7		LUMENS ERGON COB 30xx		
92.70.136.00		soldering	Ø45 x H3.5		GLBTECH GME2821	EDISON OPTO 40W	ITSWELL COB-Q SERIES	SAMSUNG LCO40D LC060D LC080D	LG LEMWM 28 - 40W	
92.70.208.00		soldering	L33 x H6.5	33 x 33	LUMILEDS LUXEON 5050					
92.70.218.00		soldering	L67.6 x H6.5	67.6 x 67.6						
92.70.219.00		soldering	102.8x6.5	102.8 x 102.8						
92.70.220.00		soldering	173.9x33.1 x6.5	173.9 x 33.1						
					OSRAM OPTO DURIS S8					