

规格书 Specifications

WT-45@@22-MXXXCOBL9-C2



智能双色系列
Intelligent Dual-color series



镜片材料 PMMA 8N温度-40°C~+70°C

透光率 400nm~900nm>90%

需要LF，用温和的水和软布清洁镜片。

切勿在镜片上酒精及使用任何商业清洁溶剂。

请戴手套处理或安装镜片，皮肤油脂可能会损坏镜片或其光学特性。

Lens material PMM working temperature:-40°C~+70°C

If necessary,Clean lenses with water or wet softcloth.

Never use any commercial cleaning solvents on lenses as alcohol.

When assembly, wearing gloves please,skin oils may damage lens or affect optial characterisitic.

智能双色系列 | Intelligent Dual-color series

WT-25@12-M15COBL4-C2 WT-25@12-M24-COBL4-C2 WT-25@12-M36-COBL4-C2	φ24.8×12.5 φ24.8×12.5 φ24.8×12.5	15° 24° 36°	WT-29@14-M15COBL6-C2	φ28.8×14.5	15°	WT-32@16-M15COBL6-C2 WT-32@16-M24COBL6-C2 WT-32@16-M36COBL6-C2	φ31.8×16 φ31.8×16 φ31.8×16	15° 24° 36°
			WT-29@14-M15COBL6-C2(PC)	φ28.8×14.5	15°			
			WT-29@14-M24JCOBL6-C2	φ28.8×14.5	24°			
			WT-29@14-M24JCOBL6-C2(PC)	φ28.8×14.5	24°			
			WT-29@14-M36COBL6-C2	φ28.8×14.5	36°			
			WT-29@14-M36COBL6-C2(PC)	φ28.8×14.5	36°			
			WT-29@14-M55COBL6-C2	φ28.8×14.5	50°			
			WT-29@14-M55COBL6-C3(PC)	φ28.8×14.5	50°			
WT-35@17-M15COBL6-C2 WT-35@17-M24JCOBL6-C2 WT-35@17-M24JCOBL6-C2(PC) WT-35@17-M36COBL6-C2 WT-35@17-M36COBL6-C2(PC) WT-35@17-M55COBL6-C2 WT-35@17-M55COBL6-C2(PC) WT-35@17-24MC-COBL6-C2 WT-35@17-36MC-COBL6-C2	φ34.8×17.55 φ34.8×17.55 φ34.8×17.55 φ34.8×17.55 φ34.8×17.55 φ34.8×17.55 φ34.8×17.55 φ34.8×17.55 φ34.8×17.55	15° 24° 24° 36° 36° 50° 50° 24° 36°						
			WT-45@22-M15COBL9-C2 WT-45@22-M24JCOBL9-C2 WT-45@22-M36COBL9-C2 WT-45@22-M55COBL9-C2	φ44.8×22.5 φ44.8×22.5 φ44.8×22.5 φ44.8×22.5	15° 24° 36° 50°			

技术参数 | Specifications



型号 Code	发光面 light-emitting surface	角度 FWHM	尺寸 Size(L*W*H)mm	标准效率 Typ.eff	材质 Material
WT-45@@22-M15COBL9-C2	Φ6mm COB	15°	Φ44.8×22.5	93%	PMMA
WT-45@@22-M24JCOBL9-C2	Φ9mm COB	24°		93%	PMMA
WT-45@@22-M36COBL9-C2	Φ9mm COB	36°		93%	PMMA
WT-45@@22-M55COBL9-C2	Φ9mm COB	50°		93%	PMMA

产品配件 | Product accessories



碗杯 (PC)	Lens Holder (PC)	WT-F45H-B	D 44.7, H 19.8mm
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支架 (PC)	COB Holder (PC)	WT-F45H-C135/C16	D 31, H 3.5 mm
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产品尺寸 | Dimensions(Unit:mm)

透镜 Lens	碗杯 Lens Holder	支架 COB Holder

Shenzhen Wisertop Technology Co.,Ltd					PART NO.: WT-45@@22-MXXXCOBL9-C2		NAME: LED LENS	
TOLERANCE UNLESS OTHERWISE MARKEDDIMENSION: ANGULAR 0~6:±0.05 0.2 6~30:±0.10 30~120:±0.15					MATERIAL: PMMA		SPEC:	
					APPR OVED	CHECK ED	DRAW BY	REV: A01
A3	UNIT: mm	SCALE: 1:1	SHEET 1OF1					JOB NO:

线性	等级	F	M	C	
0-3		±0.05	±0.1	±0.2	— 直线度
>3-6		±0.05	±0.1	±0.2	▧ 平面度
>6-16		±0.1	±0.15	±0.3	○ 圆度
>16-30		±0.1	±0.2	±0.5	⊘ 圆柱度
>30-120		±0.15	±0.3	±0.8	⌒ 线轮廓度
>120-315		±0.2	±0.5	±1.2	⌒ 面轮廓度
>315-1000		±0.5	±0.8	±2.0	// 平行度
>1000-2000		±1.0	±1.2	±3.0	⊥ 垂直度
					≡ 对称度
角度	±60°				◎ 同轴度

装箱尺寸 | Packing (Unit:mm)

透镜 Lens	
产品尺寸Single Size(L*W*H)	φ44.8×22.5
包装尺寸Box Size(L*W*H)	250x230x380
外箱尺寸CTN Size(L*W*H)	390x245x395
装箱数量PCS/CTN	680pcs

注：透镜使用吸塑托盘包装

灯杯 Holder	
产品尺寸Single Size(L*W*H)	φ44.7×19.8
包装尺寸Box Size(L*W*H)	300x200
外箱尺寸CTN Size(L*W*H)	/
装箱数量PCS/CTN	1200pcs

注：灯杯使用袋装

支架 PTape	
产品尺寸Single Size(L*W*H)	φ31×3.5
包装尺寸Box Size(L*W*H)	300x200
外箱尺寸CTN Size(L*W*H)	/
装箱数量PCS/CTN	7200pcs

注：支架使用袋装

配光曲线 | Luminance Diatribution Diagram

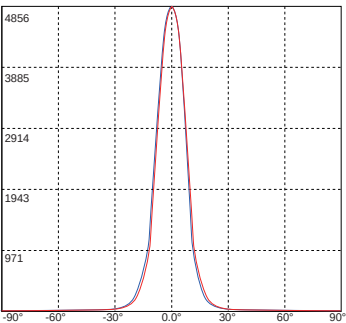
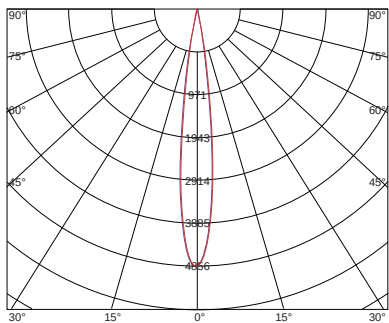
OSRAM

WT-45@@22-M15ECOB L9-C2

LED	1202
FWHM	14.5°
FWTM	26.5°
Peak intensity	6.7cd /lm
Efficiency	93 %
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):14.5°
Radiation Intensity (Unit: cd)

— C0·C180 14.5°
— C90·C270 14.5°



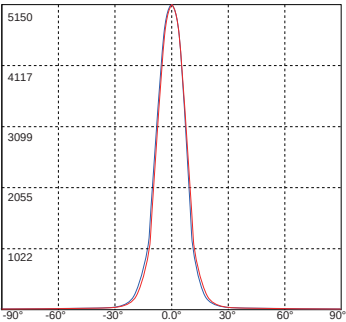
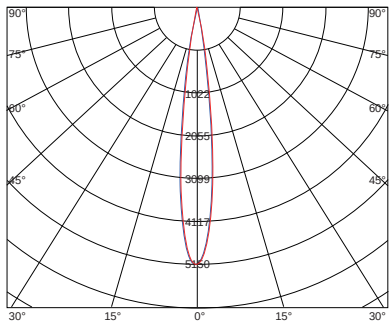
PHILIPS

WT-45@@22-M15ECOB L9-C2

LED	1201/1202
FWHM	14.2°
FWTM	24.7°
Peak intensity	10.31cd /lm
Efficiency	93 %
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%):14.2°
Radiation Intensity (Unit: cd)

— C0·C180 14.2°
— C90·C270 14.2°



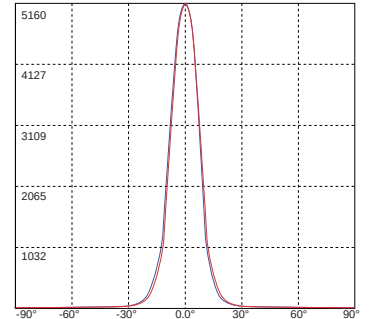
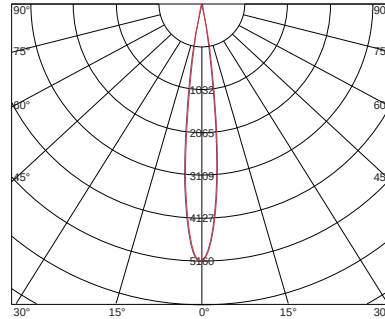


WT-45@@22-M15ECOBL9-C2

LED	N6A/N6B/P6
FWHM	15.8°
FWTM	27.3°
Peak intensity	10.35cd /lm
Efficiency	93 %
Aluminum substrate size	13.35×13.35

Average Beam Angle (50%): 15.8°
Radiation Intensity (Unit: cd)

— C0·C180 15.8°
— C90·C270 15.8°

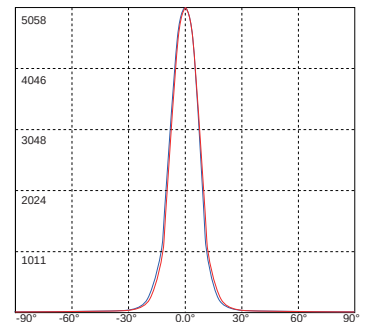
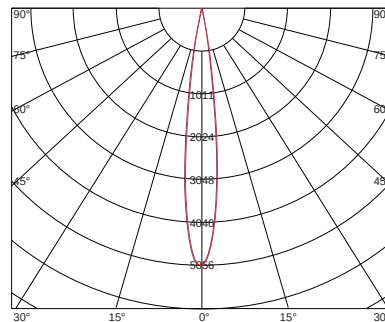


WT-45@@22-M15ECOBL9-C2

LED	CXA1304
FWHM	13.5°
FWTM	25.3°
Peak intensity	9.65cd /lm
Efficiency	93 %
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%): 13.5°
Radiation Intensity (Unit: cd)

— C0·C180 13.5°
— C90·C270 13.5°

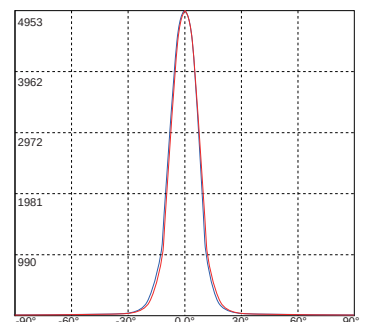
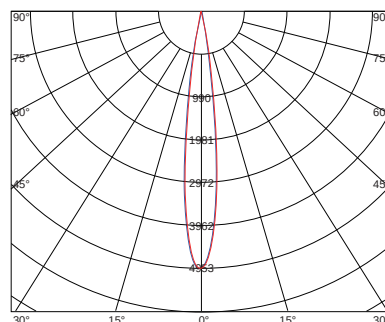


WT-45@@22-M15ECOBL9-C2

LED	CXM-6
FWHM	14.5°
FWTM	26.4°
Peak intensity	8.78cd /lm
Efficiency	93 %
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%): 14.5°
Radiation Intensity (Unit: cd)

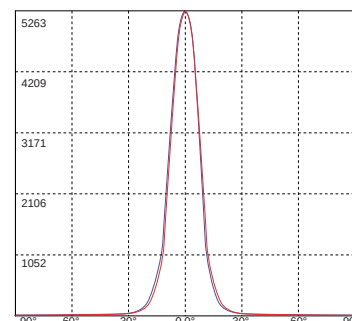
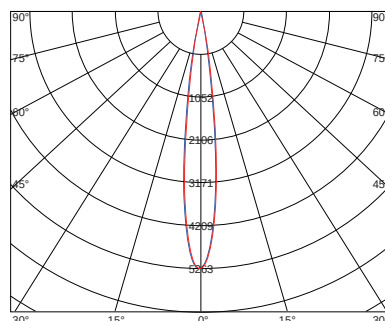
— C0·C180 14.5°
— C90·C270 14.5°



LED	V6HD/C6
FWHM	15.7°
FWTM	27.5°
Peak intensity	10.76cd /lm
Efficiency	93 %
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):15.7°
Radiation Intensity (Unit: cd)

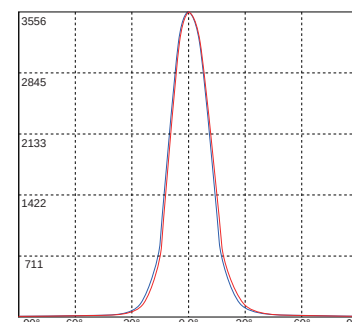
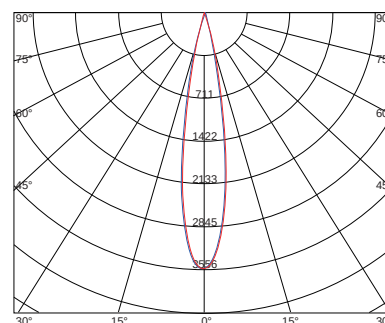
— C0·C180 15.7°
— C90·C270 15.7°



LED	CXM-9
FWHM	23.2°
FWTM	35°
Peak intensity	4.478cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

Average Beam Angle (50%): 23.2°
Radiation Intensity (Unit: cd)

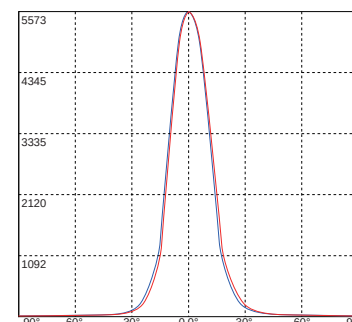
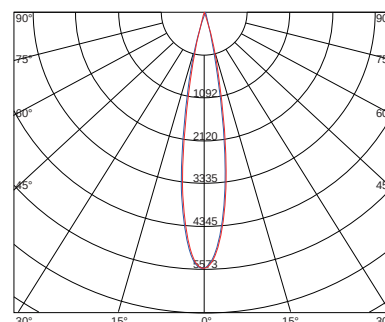
— C0·C180 23.2°
— C90·C270 23.2°



LED	C8
FWHM	24.8°
FWTM	36.6°
Peak intensity	5.781cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 24.8°
Radiation Intensity (Unit: cd)

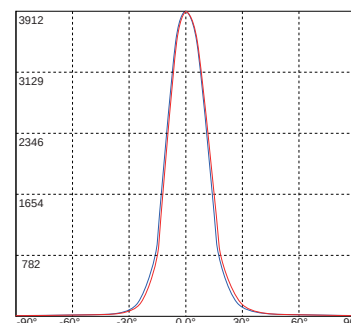
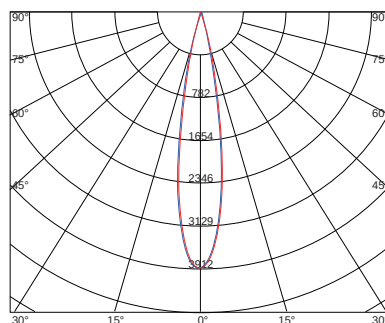
— C0·C180 24.8°
— C90·C270 24.8°



LED	1203/1204
FWHM	23.6°
FWTM	34.8°
Peak intensity	5.13cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23.6°
Radiation Intensity (Unit: cd)

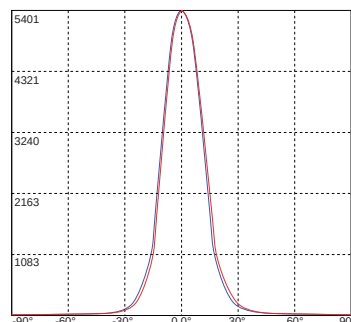
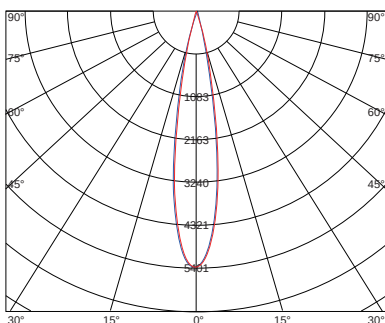
— C0·C180 23.6°
— C90·C270 23.6°



LED	1203/1204
FWHM	24.1°
FWTM	33.3°
Peak intensity	5.423cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 24.1°
Radiation Intensity (Unit: cd)

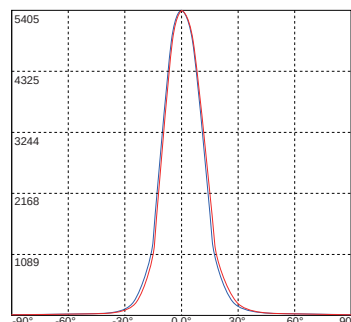
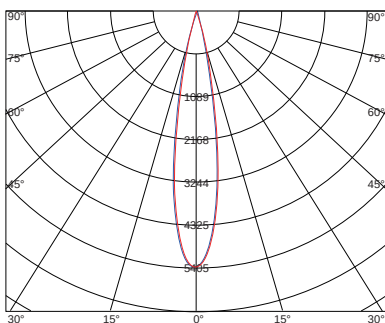
— C0·C180 24.1°
— C90·C270 24.1°



LED	N9A/N9B/P9A/P9B
FWHM	23.7°
FWTM	33.5°
Peak intensity	5.469cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23.7°
Radiation Intensity (Unit: cd)

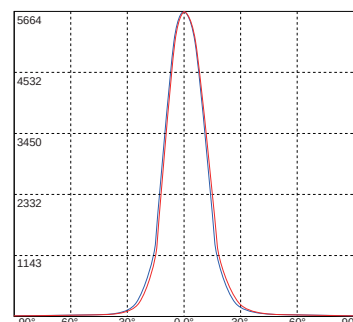
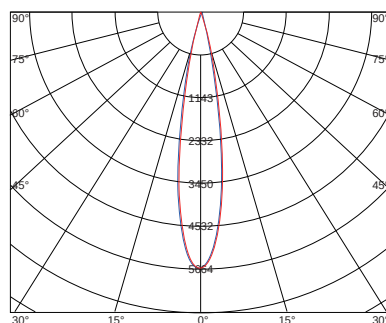
— C0·C180 23.7°
— C90·C270 23.7°



LED	CXA1507
FWHM	23.8°
FWTM	30.1°
Peak intensity	5.639cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23.8°
Radiation Intensity (Unit: cd)

— C0 · C180 23.8°
— C90 · C270 23.8°

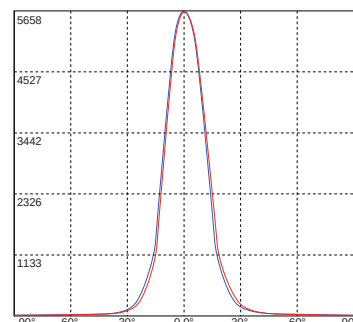
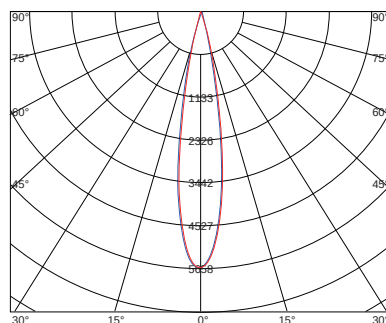


CITIZEN

LED	CLU02Q
FWHM	24.8°
FWTM	34.3°
Peak intensity	5.567cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 24.8°
Radiation Intensity (Unit: cd)

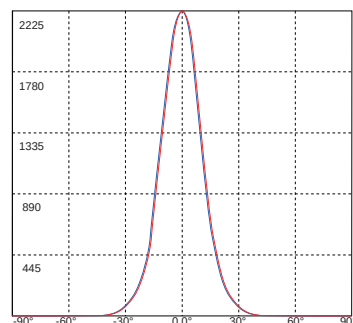
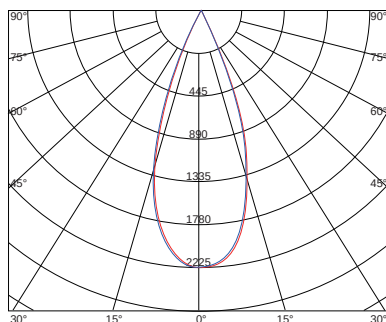
— C0 · C180 24.8°
— C90 · C270 24.8°



LED	CXM-9
FWHM	34.9°
FWTM	46.7°
Peak intensity	2.6cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

Average Beam Angle (50%): 34.9°
Radiation Intensity (Unit: cd)

— C0 · C180 34.9°
— C90 · C270 34.9°



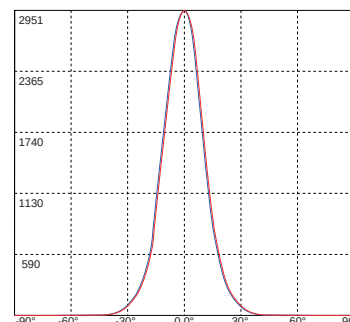
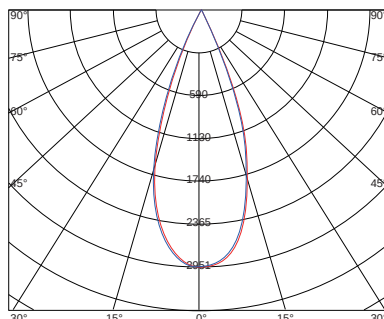


WT-45@@22-M36COBL9-C2

LED	C8
FWHM	35.7°
FWTM	45°
Peak intensity	3.058cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 35.7°
Radiation Intensity (Unit: cd)

— C0 · C180 35.7°
— C90 · C270 35.7°



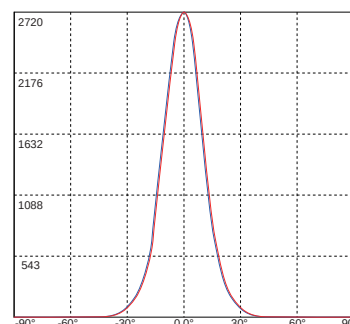
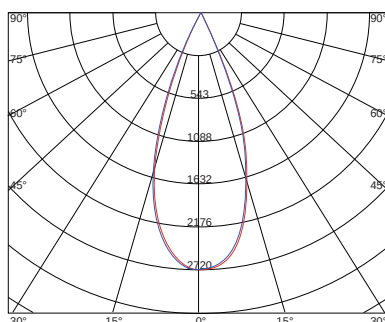
PHILIPS

WT-45@@22-M36COBL9-C2

LED	1203/1204
FWHM	35.7°
FWTM	44.4°
Peak intensity	2.646cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 36°
Radiation Intensity (Unit: cd)

— C0 · C180 36°
— C90 · C270 36°



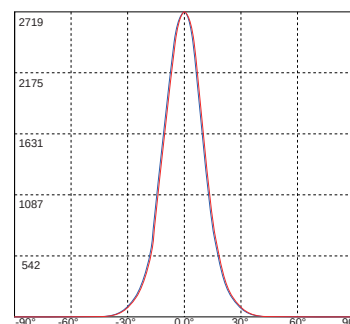
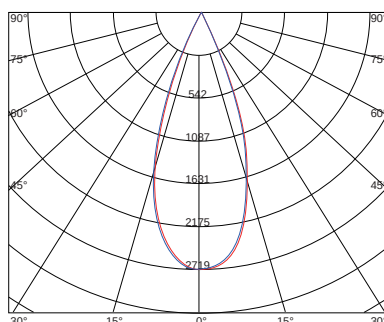
OSRAM

WT-45@@22-M36COBL9-C2

LED	1203/1204
FWHM	35.9°
FWTM	44.6°
Peak intensity	2.6cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 35.9°
Radiation Intensity (Unit: cd)

— C0 · C180 35.9°
— C90 · C270 35.9°



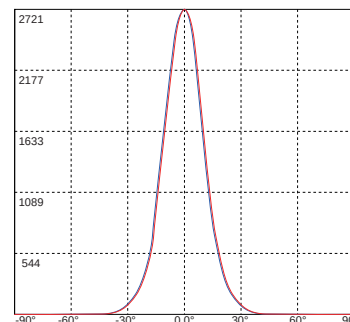
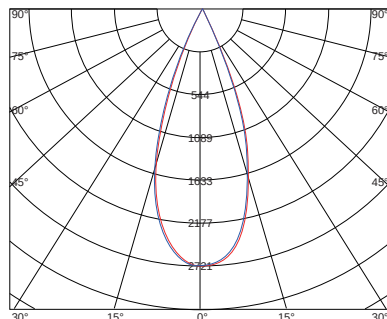


WT-45@@22-M36COBL9-C2

LED	N9A/N9B/P9A/P9B
FWHM	36°
FTWM	44.7°
Peak intensity	2.74cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 35.7°
Radiation Intensity (Unit: cd)

— C0 · C180 35.7°
— C90 · C270 35.7°

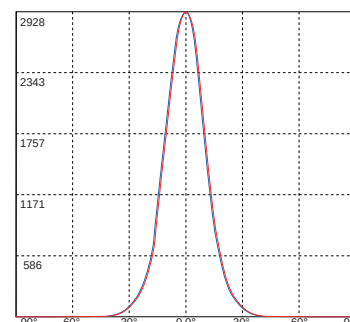
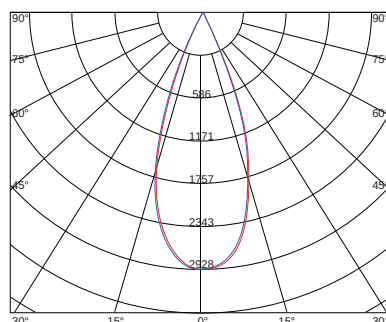


WT-45@@22-M36COBL9-C2

LED	CXA1507
FWHM	36.5°
FTWM	44.2°
Peak intensity	2.816cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 36.5°
Radiation Intensity (Unit: cd)

— C0 · C180 36.5°
— C90 · C270 36.5°



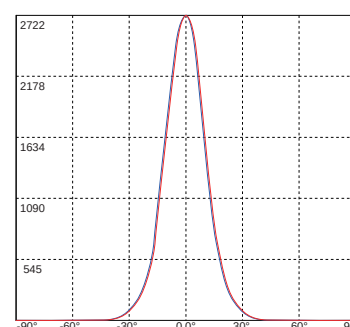
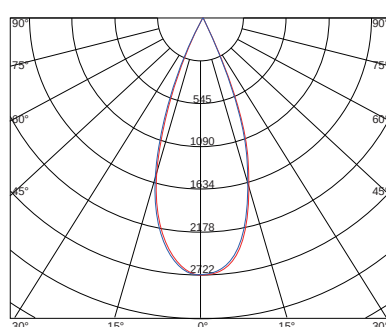
CITIZEN

WT-45@@22-M36COBL9-C2

LED	CLU02Q
FWHM	36.5°
FTWM	45.2°
Peak intensity	2.744cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 36.5°
Radiation Intensity (Unit: cd)

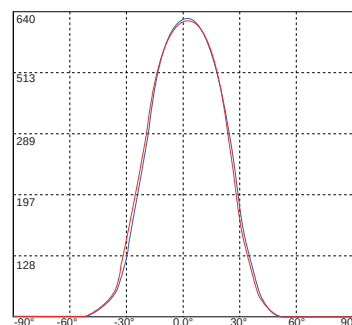
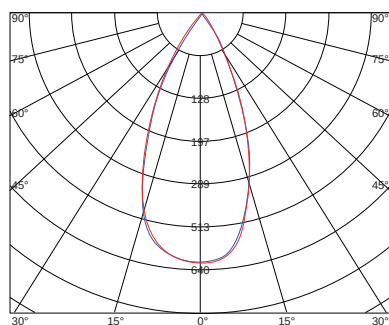
— C0 · C180 36.5°
— C90 · C270 36.5°



LED	CXM-9
FWHM	50.9°
FWTM	60.1°
Peak intensity	1.276cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

Average Beam Angle (50%):50.9°
Radiation Intensity (Unit: cd)

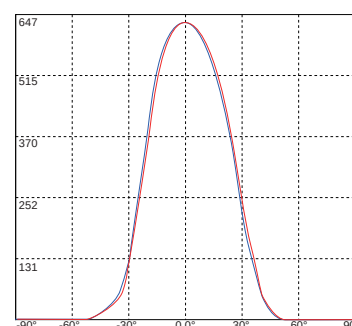
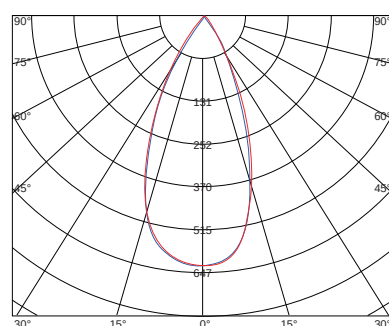
— C0·C180 50.9°
— C90·C270 50.9°



LED	C8
FWHM	50.6°
FWTM	59.9°
Peak intensity	1.434cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%):50.6°
Radiation Intensity (Unit: cd)

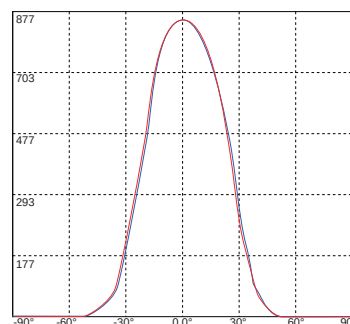
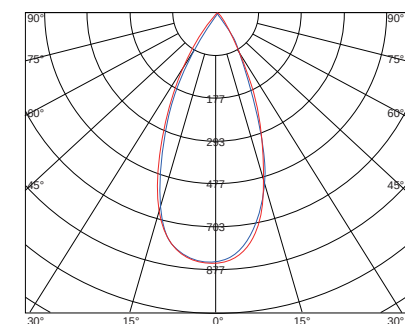
— C0·C180 50.6°
— C90·C270 50.6°



LED	1203/1204
FWHM	50.3°
FWTM	66.6°
Peak intensity	1.116cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%):50.3°
Radiation Intensity (Unit: cd)

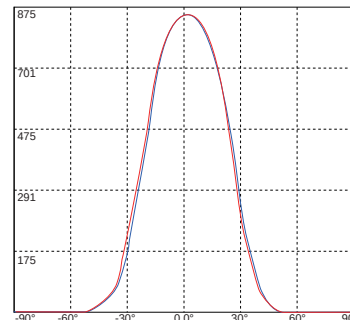
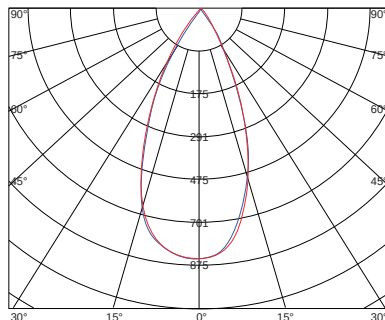
— C0·C180 50.3°
— C90·C270 50.3°



LED	1203/1204
FWHM	50.2°
FWTM	66.4°
Peak intensity	1.076cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%):50.2°
Radiation Intensity (Unit: cd)

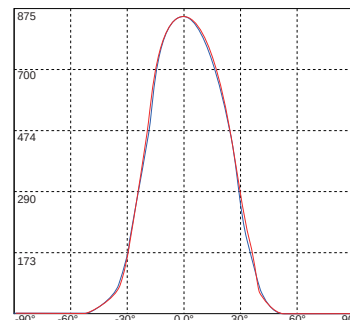
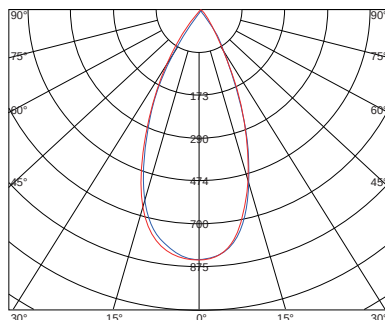
— C0 · C180 50.2°
— C90 · C270 50.2°



LED	N9A/N9B/P9A/P9B
FWHM	50°
FWTM	66.8°
Peak intensity	1.322cd /lm
Efficiency	93 %
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):50°
Radiation Intensity (Unit: cd)

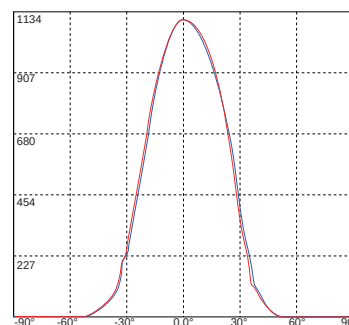
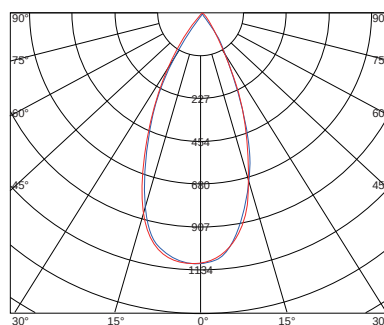
— C0 · C180 50°
— C90 · C270 50°



LED	CXA1507
FWHM	49.5°
FWTM	57.9°
Peak intensity	1.492cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%):49.7°
Radiation Intensity (Unit: cd)

— C0 · C180 49.7°
— C90 · C270 49.7°



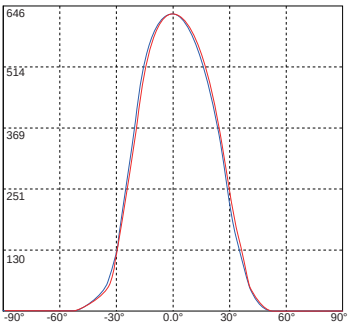
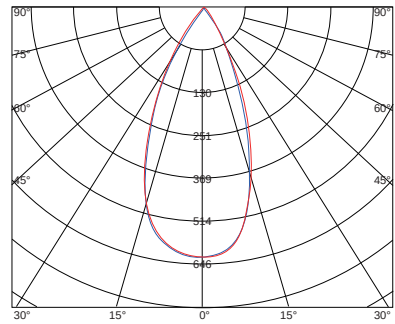
CITIZEN

WT-45@@22-M55COBL9-C2

LED	CLU02Q
FWHM	50.5°
FWTM	60°
Peak intensity	1.42cd /lm
Efficiency	93 %
Aluminum substrate size	13.5×13.5

Average Beam Angle (50%):50.5°
Radiation Intensity (Unit: cd)

— C0·C180 50.5°
— C90·C270 50.5°



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