WISER TOP
智宏通·光的魔法师

规格书
Specifications

WT-50@24-XXCOBL9-Y1

莹光系列
High penetration 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 characterisstic.

莹光系列 | High penetration series

WT-20@10-15COBL3-Y1	φ19.8×9.48mm	15°	**WT-25@12-15COBL4-Y1**	φ24.8×12.5mm	15°	**WT-25@12-15COBL4-Y2**	φ24.8×12.5mm	15°
WT-20@10-24COBL3-Y1	φ19.8×9.48mm	24°	**WT-25@12-24COBL4-Y1**	φ24.8×12.5mm	24°	**WT-25@12-24COBL4-Y2**	φ24.8×12.5mm	24°
WT-20@10-36COBL3-Y1	φ19.8×9.48mm	36°	**WT-25@12-36COBL4-Y1**	φ24.8×12.5mm	36°	**WT-25@12-36COBL4-Y2**	φ24.8×12.5mm	36°
WT-20@10-50COBL3-Y1	φ19.8×9.48mm	50°				**WT-25@12-60COBL4-Y2**	φ24.8×12.5mm	50°
WT-29@14-15COBL6-Y1	φ28.8×14.5mm	15°	**WT-35@17-10COBL3-Y1**	φ34.8×13.85mm	10°	**WT-35@17-15COBL6-Y2**	φ34.8×17.55mm	15°
WT-29@14-24COBL6-Y1	φ28.8×14.5mm	24°	**WT-35@17-15COBL6-Y1**	φ34.8×17.55mm	15°	**WT-35@17-24COBL6-Y2**	φ34.8×17.55mm	24°
WT-29@14-36COBL6-Y1	φ28.8×14.5mm	36°	**WT-35@17-24COBL6-Y1**	φ34.8×17.55mm	24°	**WT-35@17-36COBL6-Y2**	φ34.8×17.55mm	36°
WT-29@14-50COBL6-Y1	φ28.8×14.5mm	50°	**WT-35@17-36COBL6-Y1**	φ34.8×17.55mm	36°	**WT-35@17-50COBL6-Y2**	φ34.8×17.55mm	50°
			WT-35@17-60COBL6-Y1	φ34.8×17.55mm	50°			
WT-40@20-10COBL6-Y1	φ39.8×20mm	10°	**WT-45@22-10COBL6-Y1**	φ44.8×17.75mm	10°	**WT-50@24-10COBL9-Y1**	φ49.8×19.05mm	10°
WT-40@20-15COBL6-Y1	φ39.8×20mm	15°	**WT-45@22-15COBL9-Y1**	φ44.8×19.05mm	15°	**WT-50@24-15COBL9-Y1**	φ49.8×20.28mm	15°
WT-40@20-24COBL6-Y1	φ39.8×20mm	24°	**WT-45@22-24COBL9-Y1**	φ44.8×22.5mm	24°	**WT-50@24-24COBL9-Y1**	φ49.8×23.85mm	24°
WT-40@20-36COBL6-Y1	φ39.8×20mm	36°	**WT-45@22-36COBL9-Y1**	φ44.8×22.5mm	36°	**WT-50@24-36COBL9-Y1**	φ49.8×23.85mm	36°
WT-40@20-50COBL6-Y1	φ39.8×20mm	50°	**WT-45@22-50COBL9-Y1**	φ44.8×22.5mm	50°	**WT-50@24-50COBL9-Y1**	φ49.8×23.85mm	50°
WT-55@26-15COBL11-Y1	φ54.8×26.25mm	15°	**WT-62@30-15COBL11-Y1**	φ61.8×29.6mm	15°	**WT-68@33-15COBL11-Y1**	φ67.8×32.5mm	15°
WT-55@26-24COBL11-Y1	φ54.8×26.25mm	24°	**WT-62@30-24COBL11-Y1**	φ61.8×29.6mm	24°	**WT-68@33-24COBL11-Y1**	φ67.8×32.5mm	24°
WT-55@26-36COBL11-Y1	φ54.8×26.25mm	36°	**WT-62@30-36COBL11-Y1**	φ61.8×29.6mm	36°	**WT-68@33-36COBL11-Y1**	φ67.8×32.5mm	36°
WT-55@26-50COBL11-Y1	φ54.8×26.25mm	50°	**WT-62@30-50COBL11-Y1**	φ61.8×29.6mm	50°	**WT-68@33-50COBL11-Y1**	φ67.8×32.5mm	50°
WT-75@36-15COBL14-Y1	φ74.8×35.8mm	15°						
WT-75@36-24COBL14-Y1	φ74.8×35.8mm	24°						
WT-75@36-36COBL14-Y1	φ74.8×35.8mm	36°						
WT-75@36-50COBL14-Y1	φ74.8×35.8mm	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-50@24-10COBL6-Y1	¢6mm COB	10°	φ49.8×19.05	93%	PMMA
WT-50@24-15COBL9-Y1	¢9mm COB	15°	φ49.8×19.05	93%	PMMA
WT-50@24-24COBL9-Y1	¢9mm COB	24°	φ49.8×23.85	93%	PMMA
WT-50@24-36COBL9-Y1	¢9mm COB	36°	φ49.8×23.85	93%	PMMA
WT-50@24-50COBL9-Y1	¢9mm COB	50°	φ49.8×23.85	93%	PMMA

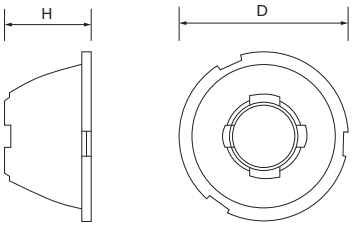
产品配件 | Product accessories

碗杯 (PC)	Lens Holder (PC)	(10°)WT-F50H-10B (15°)WT-F50H-15B	D 49.5, H 21.8 mm
碗杯 (PC)	Lens Holder (PC)	(24° 36° 50°)WT-F50H-B	D 49.5, H 21.8 mm

支架 (PC)	COB Holder (PC)	WT-F50H-C16/C18/C19	D 36.3, H 3.3mm

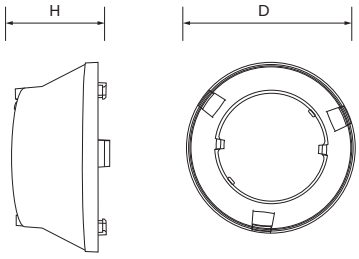
产品尺寸 | Dimensions(Unit:mm)

透镜 Lens



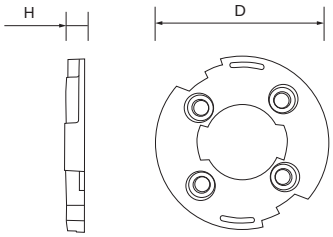
WT-50@24-10COBL9-Y1	φ49.8×19.05
WT-50@24-15COBL9-Y1	φ49.8×20.28
WT-50@24-24/36/60COBL9-Y1	φ49.8×23.85

碗杯 Lens Holder



(10°)WT-F50H-10B	D 49.5, H 21.8 mm
(15° 24° 36°)WT-F50H-B	D 49.5, H 21.8 mm

支架 COB Holder



WT-F50H-C16/C18/C19 (10° 15° 24° 36° 60°)	D 36.3, H 3.3mm

Shenzhen Wisertop Technology Co.,Ltd			**PART NO.:** WT-50@24-XXCOBL9-Y1	**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:**
			APPROVED / CHECKED / DRAWN 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
>3-6	±0.05	±0.1	±0.2
>6-16	±0.1	±0.15	±0.3
>16-30	±0.1	±0.2	±0.5
>30-120	±0.15	±0.3	±0.8
>120-315	±0.2	±0.5	±1.2
>315-1000	±0.5	±0.8	±2.0
>1000-2000	±1.0	±1.2	±3.0
角度	±60°		

— 直线度
▱ 平面度
○ 圆度
⌭ 圆柱度
⌒ 线轮廓度
⌓ 面轮廓度
// 平行度
⊥ 垂直度
⌯ 对称度
◎ 同轴度

装箱尺寸丨Packing (Unit:mm)

透镜 Lens	
产品尺寸Single Size(L*W*H)	φ44.8×17.75 φ44.8×19.05 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)	φ35×13.85
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	2400pcs

注：灯杯使用袋装

支架 PTape	
产品尺寸Single Size(L*W*H)	φ26×4
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	8400pcs

注：支架使用袋装

配光曲线丨Luminance Diatributian Diagram

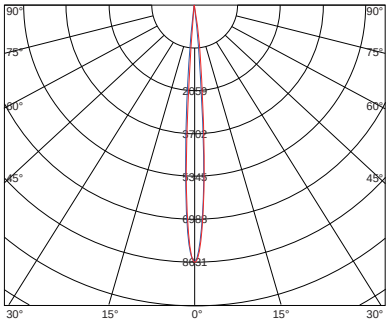
LUMINUS

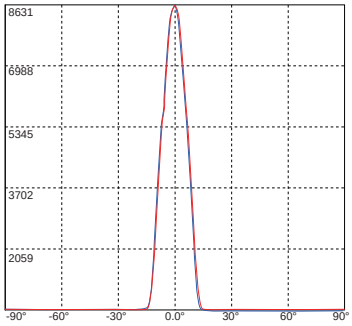
WT-50@24-10COBL9-Y1

LED	CXM-9
FWHM	10.6°
FWTM	19.3°
Peak intensity	19.732cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

Average Beam Angle (50%): 10.6°
Radiation Intensity (Unit: cd)

C0·C180 10.6°
C90·C270 10.6°





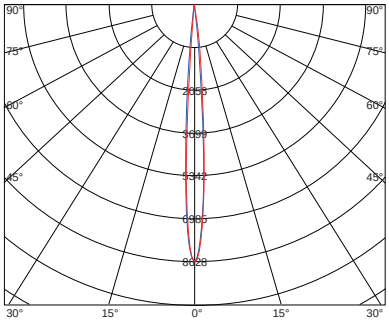
bridgelux®

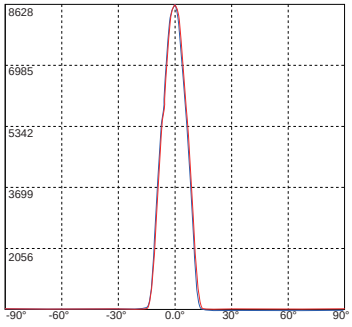
WT-50@24-10COBL9-Y1

LED	C8
FWHM	10.3°
FWTM	19°
Peak intensity	19.89cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 10.3°
Radiation Intensity (Unit: cd)

C0·C180 10.3°
C90·C270 10.3°





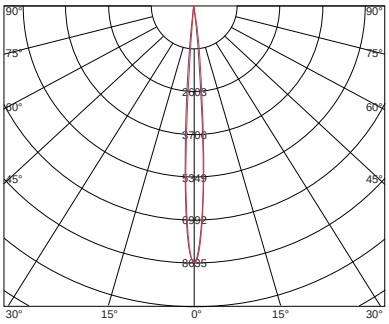
PHILIPS

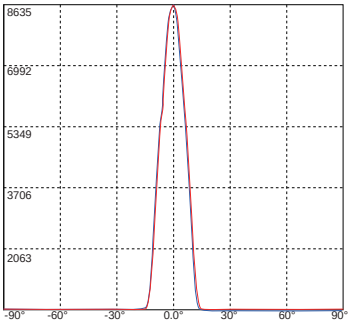
WT-50@24-10COBL9-Y1

LED	1203/1204
FWHM	9.6°
FWTM	19.3°
Peak intensity	19.572cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 9.6°
Radiation Intensity (Unit: cd)

C0·C180 9.6°
C90·C270 9.6°





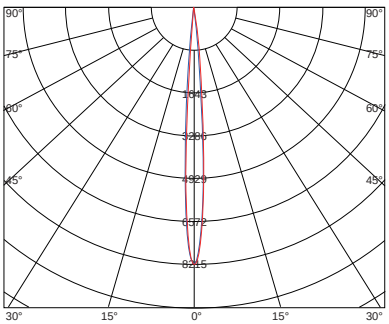
OSRAM

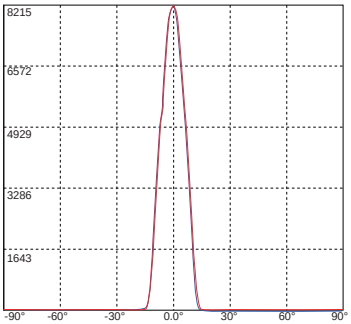
WT-50@24-10COBL9-Y1

LED	1203/1204
FWHM	10.5°
FWTM	19.2°
Peak intensity	19.432cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 10.5°
Radiation Intensity (Unit: cd)

C0·C180 10.5°
C90·C270 10.5°





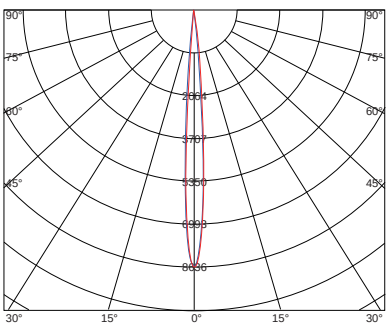
SEOUL

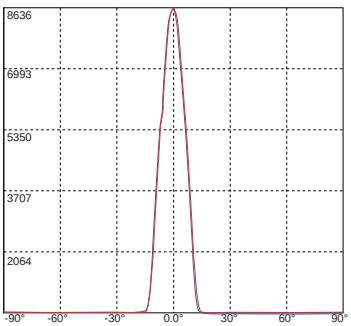
WT-50@24-10COBL9-Y1

LED	N9A/N9B/P9A/P9B
FWHM	10.3°
FWTM	19°
Peak intensity	19.478cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 10.3°
Radiation Intensity (Unit: cd)

C0·C180 10.3°
C90·C270 10.3°





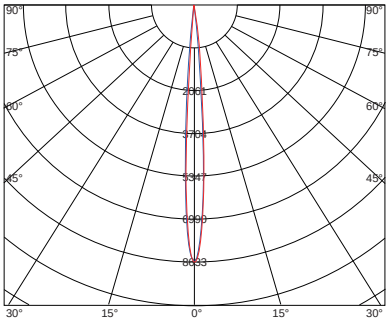
CREE LEDs

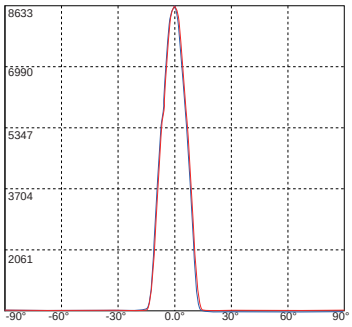
WT-50@24-10COBL9-Y1

LED	CXA1507
FWHM	9.8°
FWTM	19.5°
Peak intensity	19.648cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 9.8°
Radiation Intensity (Unit: cd)

C0·C180 9.8°
C90·C270 9.8°





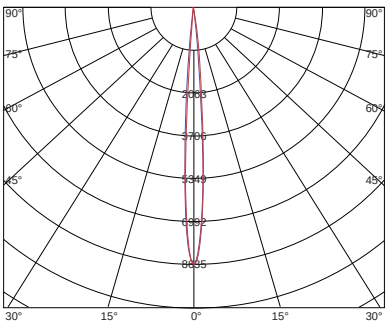
CITIZEN

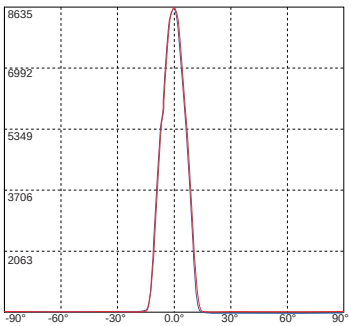
WT-50@24-10COBL9-Y1

LED	CLU02Q
FWHM	10.8°
FWTM	19.5°
Peak intensity	7.854cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 10.8°
Radiation Intensity (Unit: cd)

C0·C180 10.8°
C90·C270 10.8°





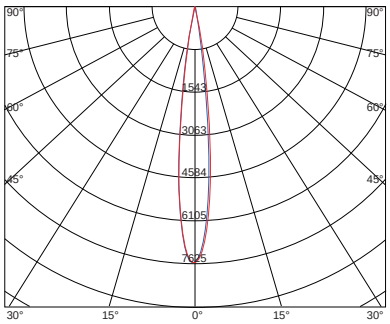
LUMINUS

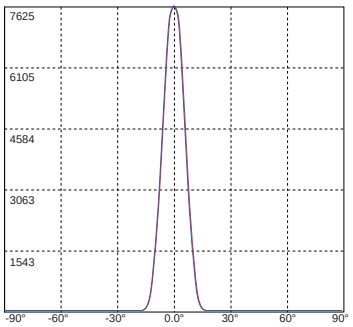
WT-50@24-15COBL9-Y1

LED	CXM-9
FWHM	15.6°
FWTM	29.6°
Peak intensity	8.01cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

Average Beam Angle (50%): 15.6°
Radiation Intensity (Unit: cd)

C0·C180 15.6°
C90·C270 15.6°





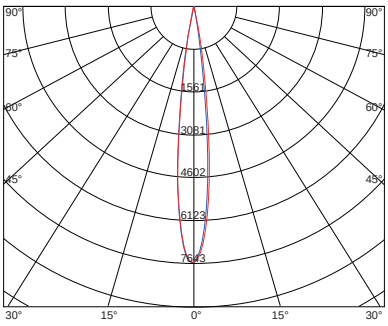
bridgelux

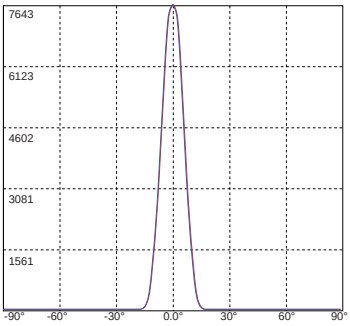
WT-50@24-15COBL9-Y1

LED	C8
FWHM	15.2°
FWTM	30°
Peak intensity	8.168cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 15.2°
Radiation Intensity (Unit: cd)

C0·C180 15.2°
C90·C270 15.2°





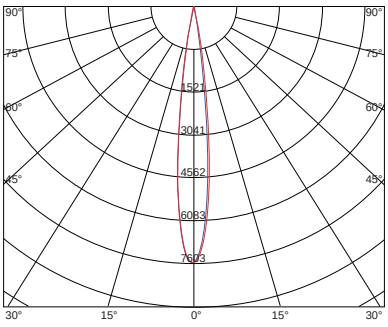
PHILIPS

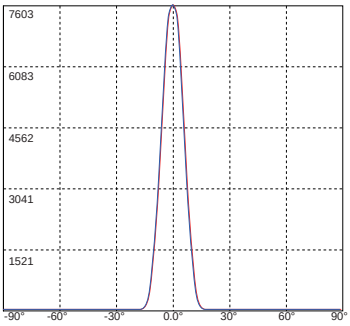
WT-50@24-15COBL9-Y1

LED	1203/1204
FWHM	14.6°
FWTM	29.3°
Peak intensity	7.85cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 14.6°
Radiation Intensity (Unit: cd)

C0·C180 14.6°
C90·C270 14.6°





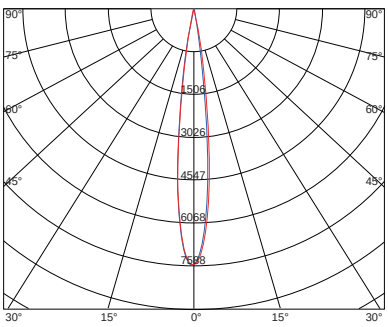
OSRAM

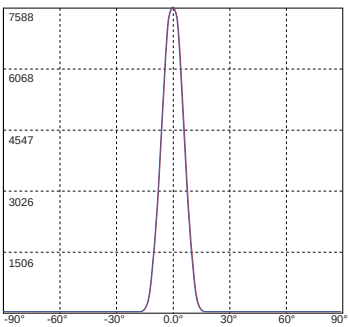
WT-50@24-15COBL9-Y1

LED	1203/1204
FWHM	15.5°
FWTM	19.2°
Peak intensity	7.71cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 15.5°
Radiation Intensity (Unit: cd)

C0·C180 15.5°
C90·C270 15.5°





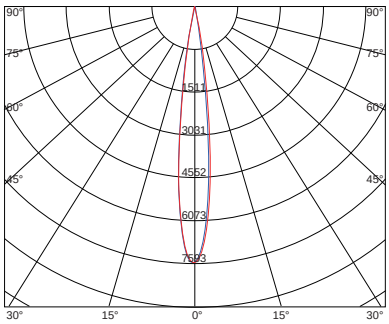
SEOUL

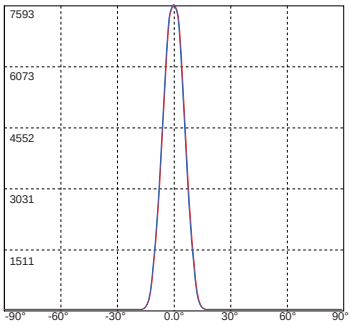
WT-50@24-15COBL9-Y1

LED	N9A/N9B/P9A/P9B
FWHM	15.3°
FWTM	19°
Peak intensity	7.756cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 15.3°
Radiation Intensity (Unit: cd)

C0·C180 15.3°
C90·C270 15.3°





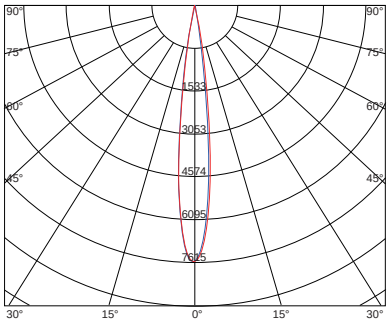
CREE LEDs

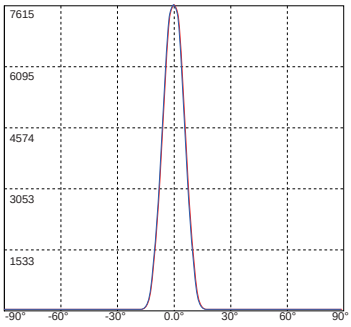
WT-50@24-15COBL9-Y1

LED	CXA1507
FWHM	14.7°
FWTM	19.5°
Peak intensity	7.926cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 14.7°
Radiation Intensity (Unit: cd)

C0·C180 14.7°
C90·C270 14.7°





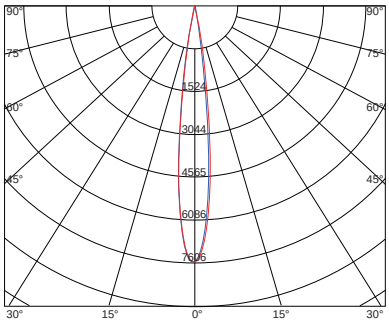
CITIZEN

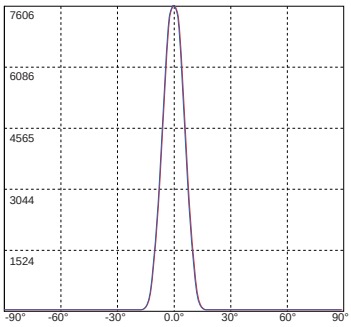
WT-50@24-15COBL9-Y1

LED	CLU02Q
FWHM	15.6°
FWTM	19.5°
Peak intensity	7.854cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 15.6°
Radiation Intensity (Unit: cd)

C0·C180 15.6°
C90·C270 15.6°





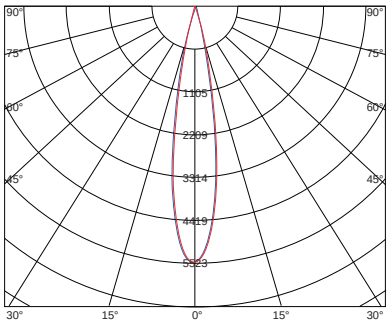
bridgelux

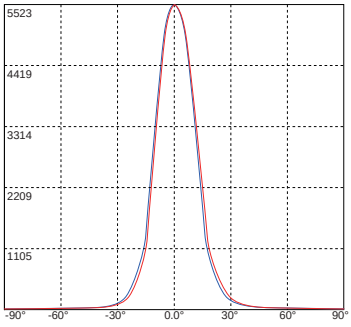
WT-50@24-24COBL9-Y1

LED	C8
FWHM	23.4°
FWTM	35.4°
Peak intensity	6.28cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23.4°
Radiation Intensity (Unit: cd)

C0·C180 23.4°
C90·C270 23.4°





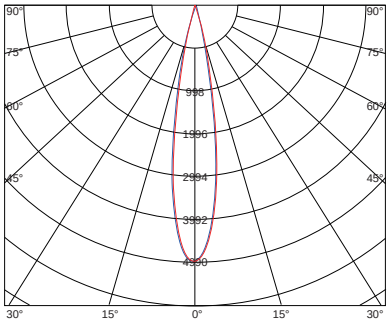
PHILIPS

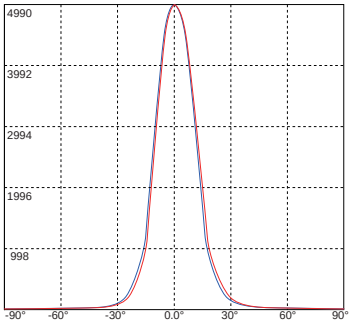
WT-50@24-24COBL9-Y1

LED	1203/1204
FWHM	23°
FWTM	35.5°
Peak intensity	6.49cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23°
Radiation Intensity (Unit: cd)

C0·C180 23°
C90·C270 23°





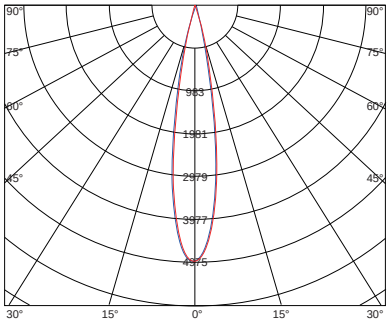
OSRAM

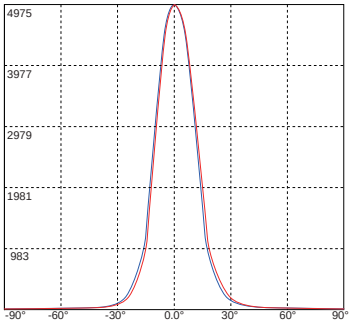
WT-50@24-24COBL9-Y1

LED	1203/1204
FWHM	23.9°
FWTM	36.4°
Peak intensity	6.35cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23.9°
Radiation Intensity (Unit: cd)

C0·C180 23.9°
C90·C270 23.9°





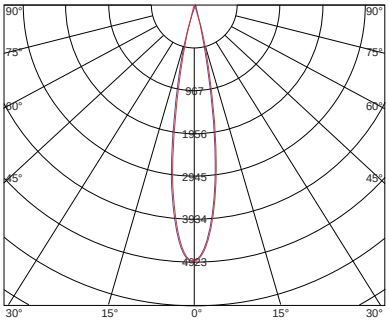
SEOUL

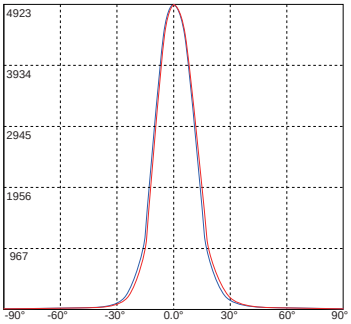
WT-50@24-24COBL9-Y1

LED	N9A/N9B/P9A/P9B
FWHM	24°
FWTM	35.7°
Peak intensity	6.214cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 24°
Radiation Intensity (Unit: cd)

C0·C180 24°
C90·C270 24°





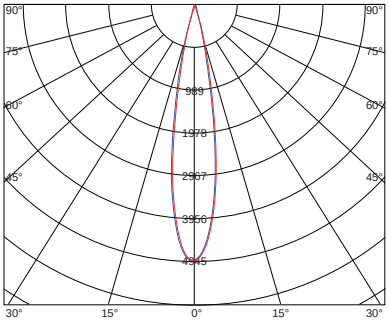
CREE LEDs

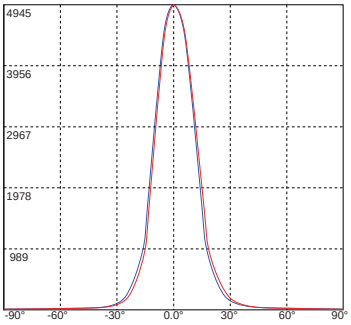
WT-50@24-24COBL9-Y1

LED	CXA1507
FWHM	23.3°
FWTM	35°
Peak intensity	6.39cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 23.3°
Radiation Intensity (Unit: cd)

C0·C180 23.3°
C90·C270 23.3°





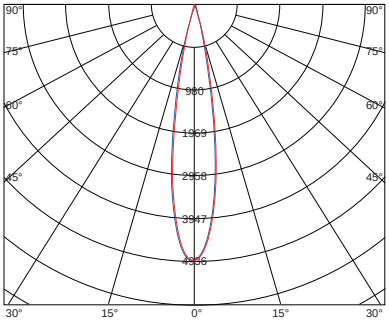
CITIZEN

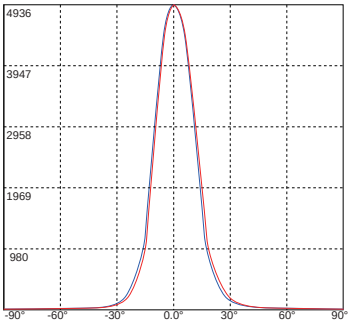
WT-50@24-24COBL9-Y1

LED	CLU02Q
FWHM	24.2°
FWTM	35.9°
Peak intensity	6.314cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 24.2°
Radiation Intensity (Unit: cd)

C0·C180 24.2°
C90·C270 24.2°





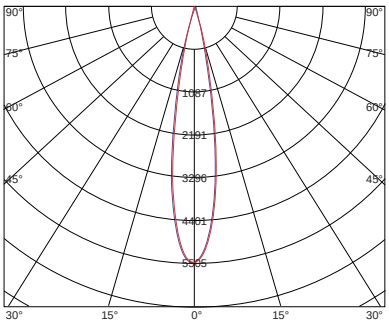
LUMINUS

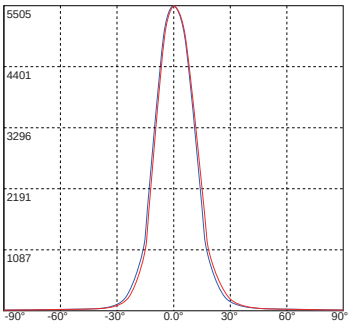
WT-50@24-24COBL9-Y1

LED	CXM-9
FWHM	23.7°
FWTM	35.7°
Peak intensity	6.122cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

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

C0·C180 23.7°
C90·C270 23.7°





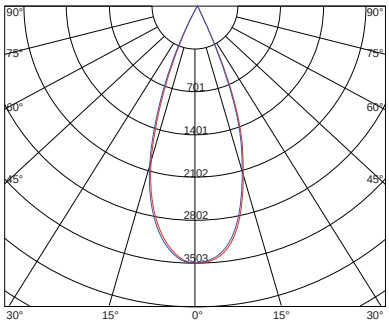
bridgelux

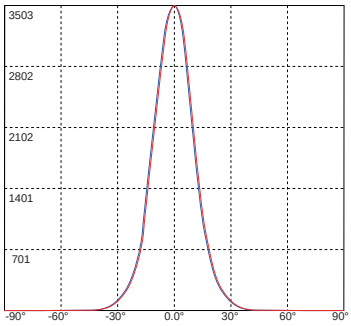
WT-50@24-36COBL9-Y1

LED	C8
FWHM	35.7°
FWTM	46.8°
Peak intensity	3.81cd /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°





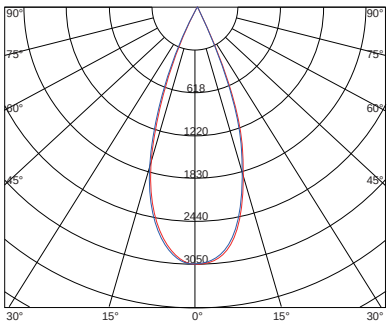
PHILIPS

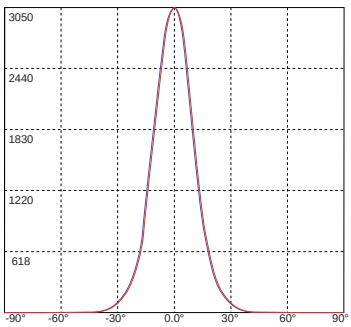
WT-50@24-36COBL9-Y1

LED	1203/1204
FWHM	36.3°
FWTM	46.5°
Peak intensity	3.8cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 36.3°
Radiation Intensity (Unit: cd)

C0·C180 36.3°
C90·C270 36.3°





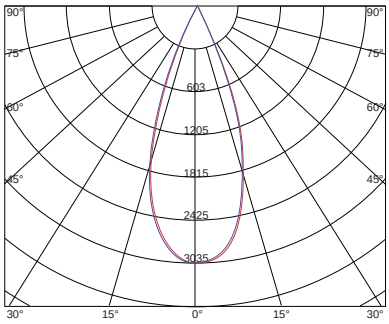
OSRAM

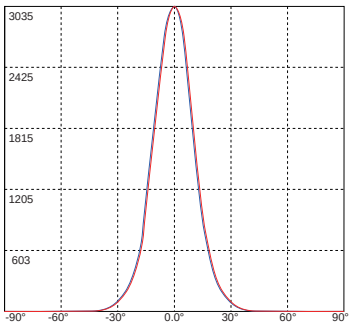
WT-50@24-36COBL9-Y1

LED	1203/1204
FWHM	36.9°
FWTM	46.9°
Peak intensity	3.34cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 36.9
Radiation Intensity (Unit: cd)

C0·C180 36.9
C90·C270 36.9





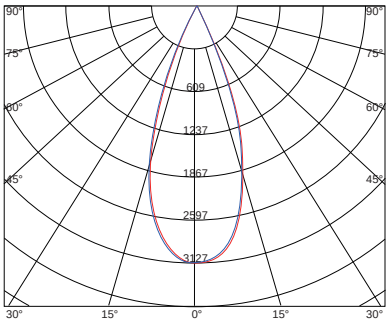
SEOUL

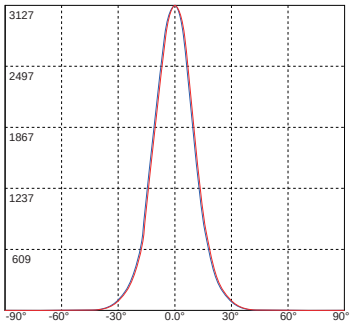
WT-50@24-36COBL9-Y1

LED	N9A/N9B/P9A/P9B
FWHM	35.6°
FWTM	50.6°
Peak intensity	3.786cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 35.6°
Radiation Intensity (Unit: cd)

C0·C180 35.6°
C90·C270 35.6°





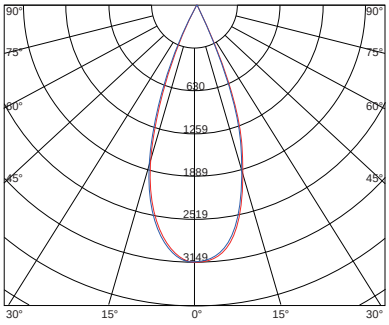
CREE LEDs

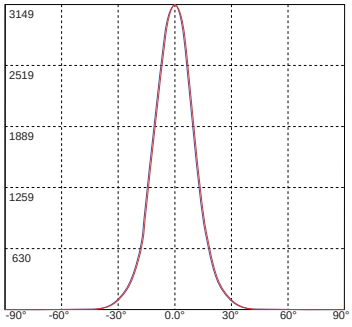
WT-50@24-36COBL9-Y1

LED	CXA1507
FWHM	35.9°
FWTM	50.9°
Peak intensity	3.962cd /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°





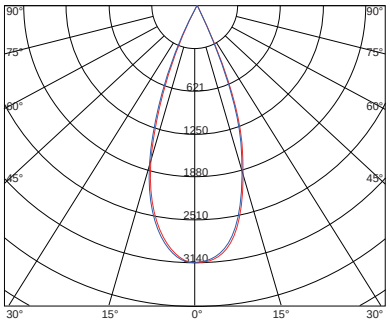
CITIZEN

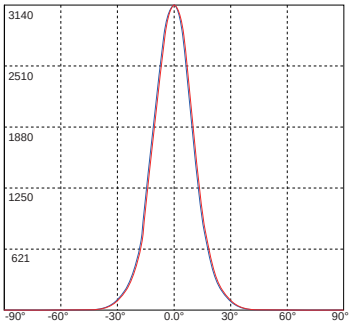
WT-50@24-36COBL9-Y1

LED	CLU02Q
FWHM	35.8°
FWTM	51.8°
Peak intensity	3.89cd /lm
Efficiency	93 %
Aluminum substrate size	15.85×15.85

Average Beam Angle (50%): 35.8°
Radiation Intensity (Unit: cd)

C0·C180 35.8°
C90·C270 35.8°





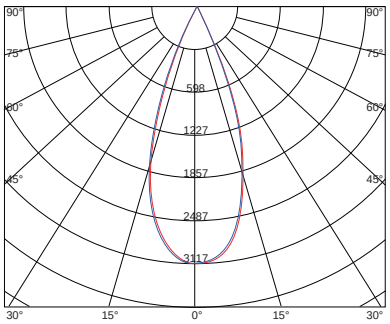
LUMINUS

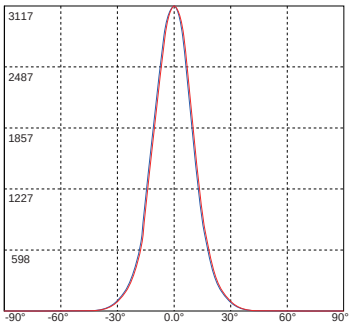
WT-50@24-36COBL9-Y1

LED	CXM-9
FWHM	35.3°
FWTM	51.3°
Peak intensity	3.698cd /lm
Efficiency	93 %
Aluminum substrate size	15×15

Average Beam Angle (50%): 35.3°
Radiation Intensity (Unit: cd)

C0·C180 35.3°
C90·C270 35.3°





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