STRADELLA-16-HB-W2

~90° medium beam for industrial applications. Improved version with excellent cutoff and low glare.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	3.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-W2	Multi-lens	PMMA	clear	
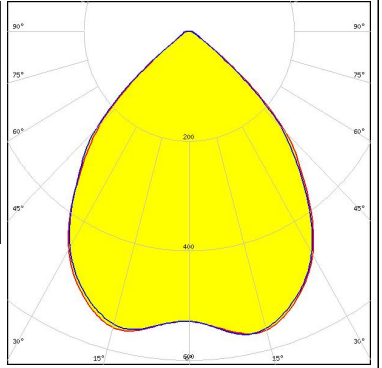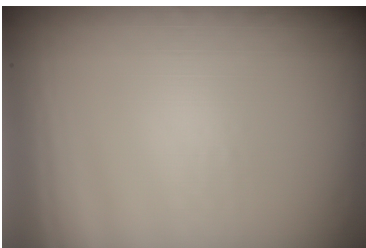
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16799_STRADELLA-16-HB-W2	800	160	160	5.0

» Box size: 480 x 280 x 300 mm

DATE
18.09.2018

Light Pattern Direction

6.25
12.5 x3
Location Pin c/c
45
3.75
12.5 x3
22.5
D

LENS: Recommended screw M3 for fixing
Use washer with screw if possible

STRADELLA-16 lens

PCB fixing: space for screw head

LED

MCPCB

Location pin cut out

3.21
2.28

E

Hole to PCB:
one round min. dia 2mm,
other to be elongated.

49.49

Ø7
Ø3.43

49.49

0.8

Ø1.99

Det E

Det D
Location Pin

PART		TYPE	MATERIAL	COLOR / COATING
C16799_STRADELLA-16-HB-W2		LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT
STRADELLA

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

LEDiL®

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SCALE 1:1	WEIGHT 5.2 g	A3 SHEET 1/1

Notes

	1	PCB or heatsink level.
	2	LED location.
	3	Ensure LED fitting from a product specific 3D model available from www.ledil.com.

See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	J Series 3030
FWHM / FWTM	86.0° / 110.0°
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

ELECTRIO OEM LED & HEATSINK COMPANY

LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC
FWHM / FWTM	91.0° / 116.0°
Efficiency	98 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SCIOLUX

LED	XLE-S44XTEHE (XT-E HE)
FWHM / FWTM	96.0° / 139.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Bridgelux SMD 2835
FWHM / FWTM	96.0° / 114.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
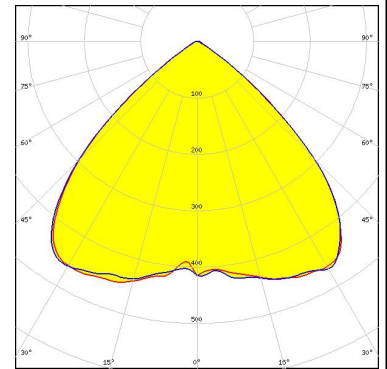
bridgelux

LED	CSP 2727 (BXCP)
FWHM / FWTM	78.0° / 98.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
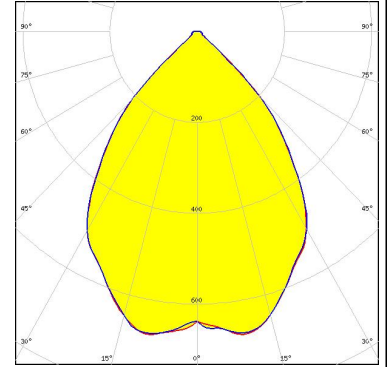
bridgelux

LED	CSP 2727 (BXCP)
FWHM / FWTM	78.0° / 100.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass
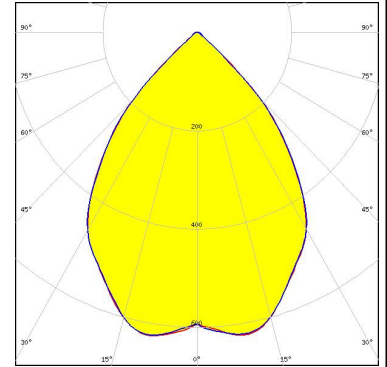
LUMILEDS

LED	LUXEON 2835 Line
FWHM / FWTM	96.0° / 112.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
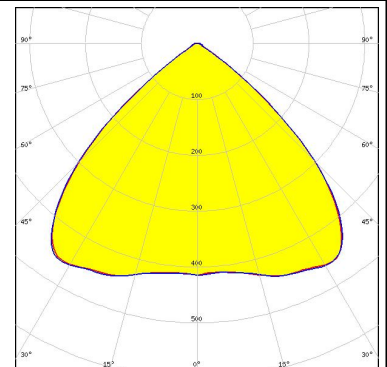
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON 2835 Line
FWHM / FWTM	96.0° / 112.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

OSRAM Opto Semiconductors
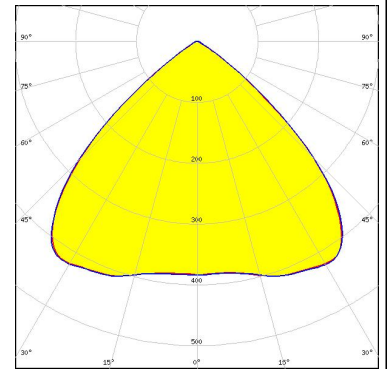
LED	Duris S5 (2 chip)
FWHM / FWTM	94.0° / 114.0°
Efficiency	71 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors
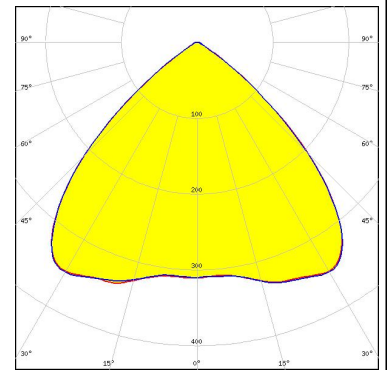
LED	OSCONIQ C 2424
FWHM / FWTM	92.0° / 108.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors
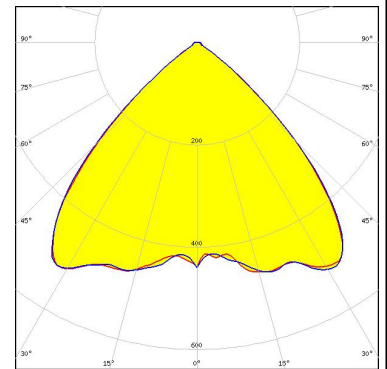
LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	93.0° / 112.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
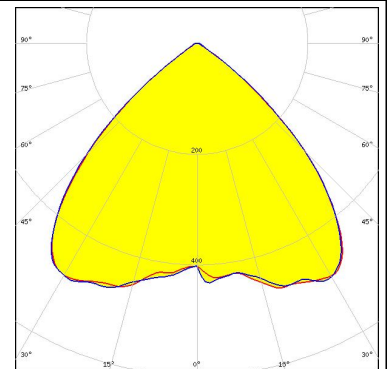
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH231B
FWHM / FWTM	88.0° / 108.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
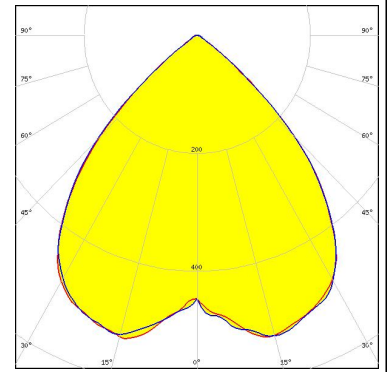
SAMSUNG

LED	LH231B
FWHM / FWTM	88.0° / 108.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Protective plate, glass	
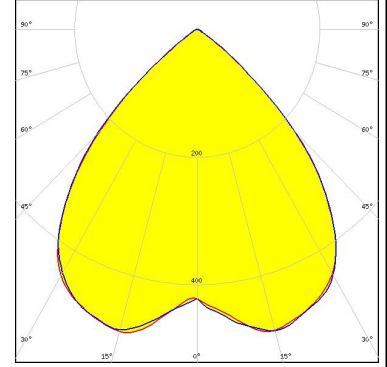
SAMSUNG

LED	LM301B
FWHM / FWTM	92.0° / 112.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
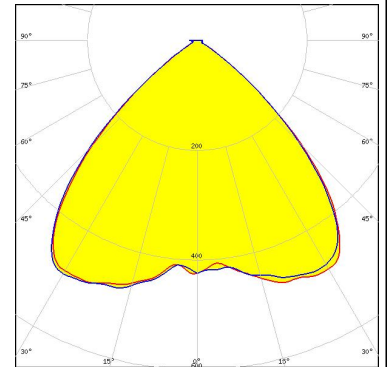
SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM / FWTM	92.0° / 112.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	96.0° / 115.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	