EMERALD-MAXI-A

Asymmetric beam. Assembly with installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	33.0 x 25.0 mm
Height	11 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
EMERALD-MAXI-A	Single lens	PMMA	clear	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14523_EMERALD-MAXI-A	Single lens	1330	280	70	7.8

» Box size: 480 x 280 x 300 mm

DATE
31.05.2018

10.98

1.25

Tape 0.4mm

Left view

Isometric view

①

LED position

②

21.52

∅2

33

25

Top view

Bottom view

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C14564_ROSE-TAPE	TAPE	Acrylic foam	BLACK
2	C14522_EMERALD-MAXI-A	LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT
EMERALD

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:

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LEDiL®

SCALE	1:1	WEIGHT	-	A3	SHEET 1/1

Notes

Ensure LED fitting from a product specific 3D model available from www.ledil.com

For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

PHOTOMETRIC DATA (MEASURED):

LED	XHP50.2
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LED	XM-L
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LED	XM-L2
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-L HD
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Protective plate, glass	

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON Black Flat
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH181B
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
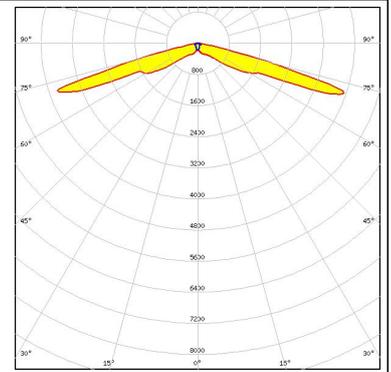
PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	Asymmetric
Efficiency	86 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
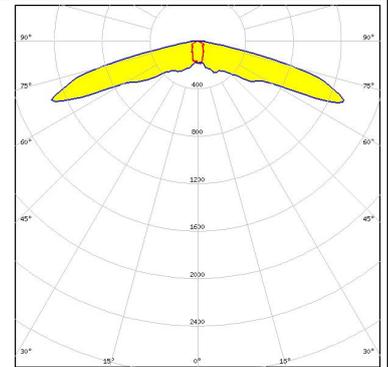
SAMSUNG

LED	LH181B
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
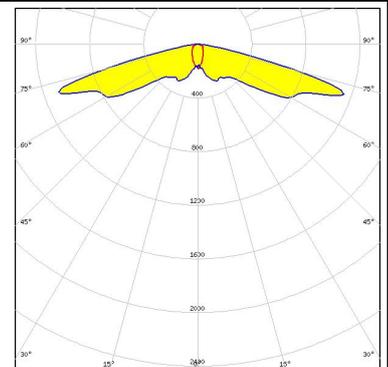
Protective plate, glass

SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
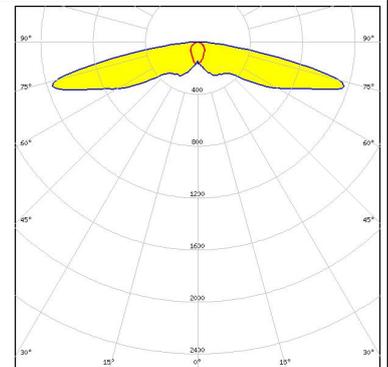
SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	156.0 + 62.0° / 169.0 + 154.0°
Efficiency	92 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
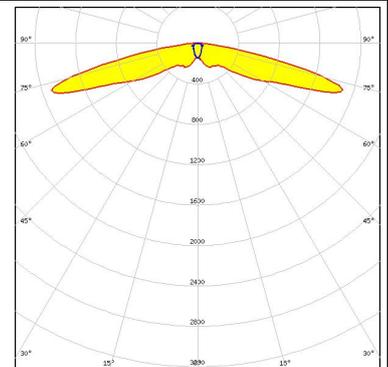
GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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