EVA-O

~40° x 15° oval beam



SPECIFICATION:

Dimensions	Ø 35.0
Height	16.4 mm
ROHS compliant	yes

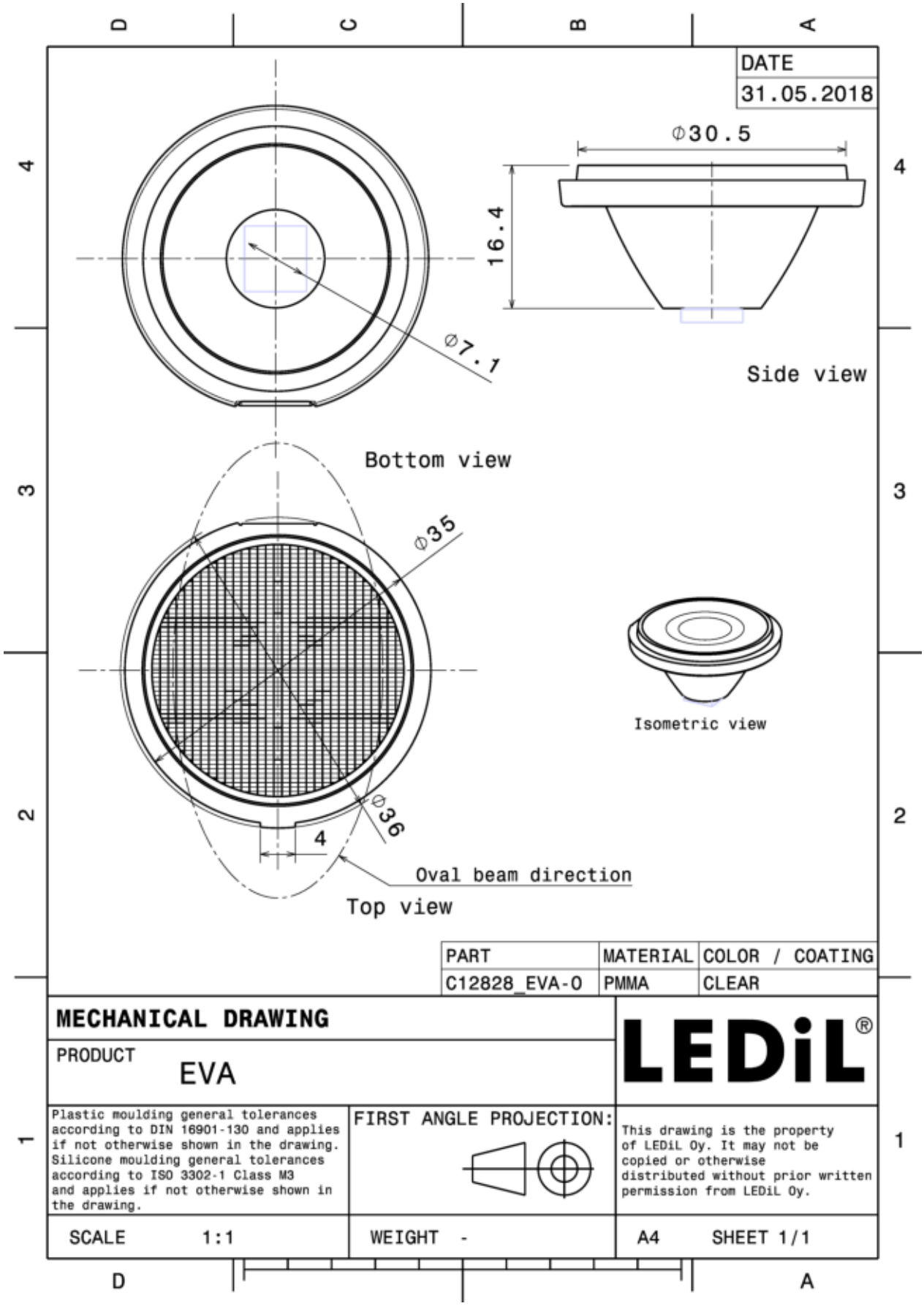
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
EVA-O	Single lens	PMMA	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12828_EVA-O » Box size: 480 x 280 x 300 mm	675	90	45	5.6

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

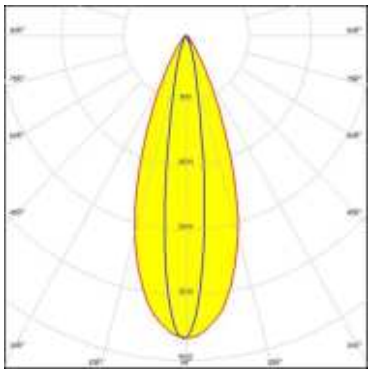
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OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU7A2/7A3
FWHM / FWTM	39.0 + 15.0° / 65.0 + 34.0°
Efficiency	89 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

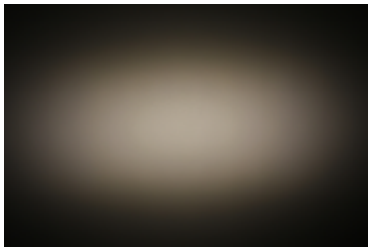


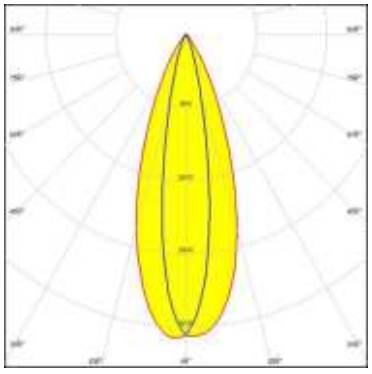


Light distribution files

CREE LEDs

LED	MHB-A/B
FWHM / FWTM	39.0 + 18.0° / 72.0 + 44.0°
Efficiency	81 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

CREE LEDs

LED	XHP35 HI
FWHM / FWTM	39.0 + 21.0° / 74.0 + 50.0°
Efficiency	81 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



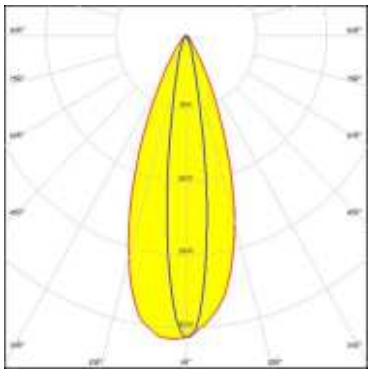
Light distribution files

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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XM-L
FWHM / FWTM	15.5 + 39.0° / 32.0 + 63.0°
Efficiency	86 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

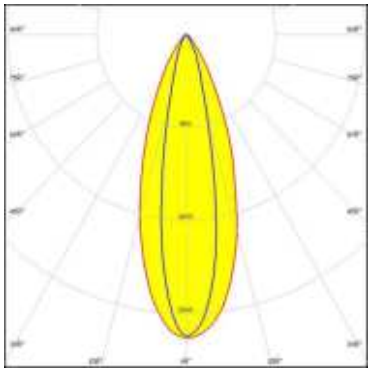


Light distribution files

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	20.5 + 37.0° / 42.0 + 71.0°
Efficiency	83 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



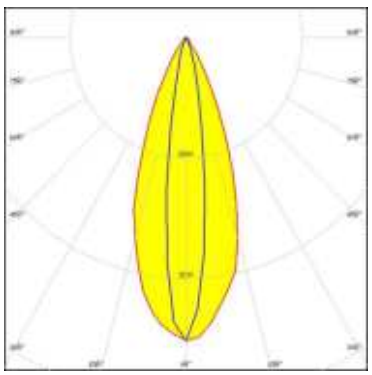


Light distribution files

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	39.0 + 15.0° / 65.0 + 33.0°
Efficiency	86 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

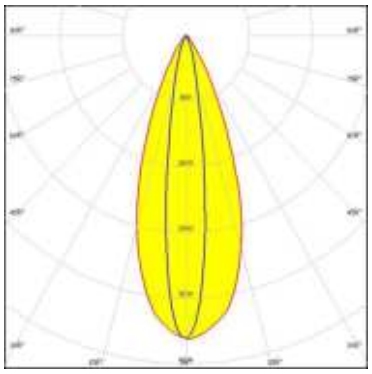
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NS9x383
FWHM / FWTM	39.0 + 15.0° / 66.0 + 34.0°
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



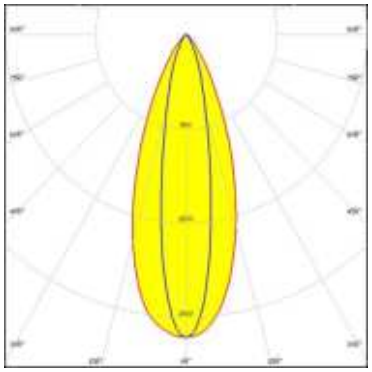


Light distribution files

NICHIA

LED	NSMx286M
FWHM / FWTM	40.0 + 20.0° / 71.0 + 48.0°
Efficiency	86 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



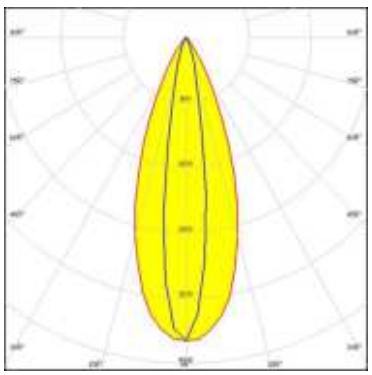


Light distribution files

OSRAM

LED	Duris S8
FWHM / FWTM	39.0 + 17.0° / 67.0 + 34.0°
Efficiency	88 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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OPTICAL RESULTS (MEASURED):

LED	Z8Y15
FWHM / FWTM	41.0 + 13.0° / 66.0 + 28.0°
Efficiency	85 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LED	Z8Y19
FWHM / FWTM	41.0 + 12.0° / 64.0 + 28.0°
Efficiency	86 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



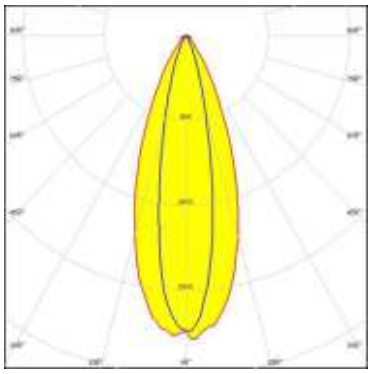
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CITIZEN

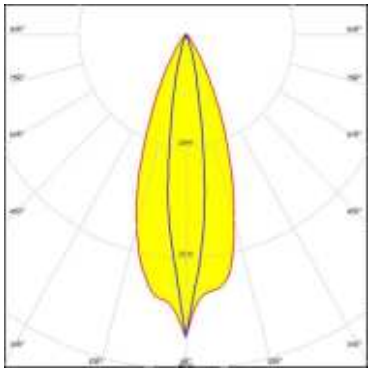
LED	CLU700/701/702/703
FWHM / FWTM	40.0 + 22.0° / 72.0 + 44.0°
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

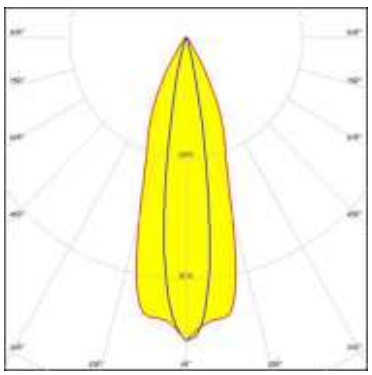
LED	MC-E
FWHM / FWTM	16.0 + 40.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G2
FWHM / FWTM	17.0 + 34.0° / 30.0 + 65.0°
Efficiency	91 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



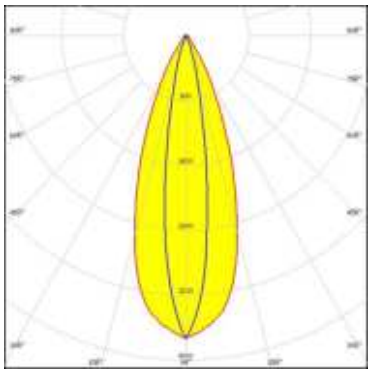
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

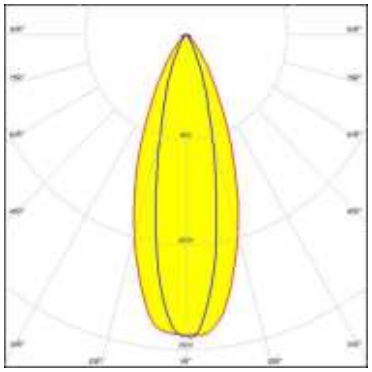
LED	LUXEON 5258
FWHM / FWTM	16.0 + 37.0° / 34.0 + 64.0°
Efficiency	91 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

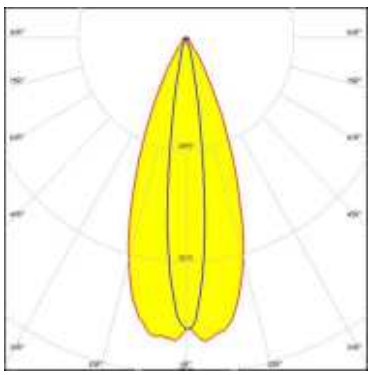
LED	LUXEON 7070
FWHM / FWTM	40.0 + 24.0° / 74.0 + 51.0°
Efficiency	88 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

LED	CXM-3
FWHM / FWTM	40.0 + 14.0° / 66.0 + 28.0°
Efficiency	94 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



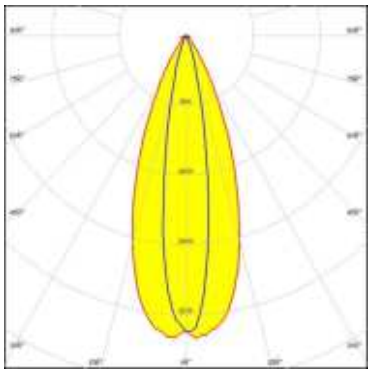
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMINUS

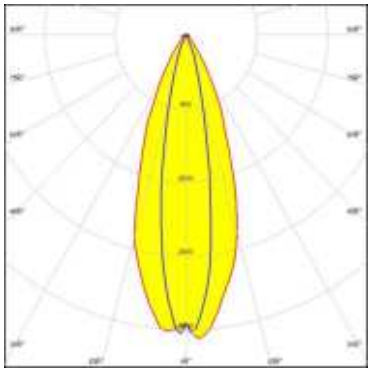
LED	CXM-4
FWHM / FWTM	40.0 + 18.0° / 68.0 + 35.0°
Efficiency	93 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

LED	OSCONIQ P 7070
FWHM / FWTM	19.0 + 37.0° / 38.0 + 67.0°
Efficiency	92 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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