ELLA-30-S

~15° spot beam



SPECIFICATION:

Dimensions	Ø 29.6
Height	17.2 mm
ROHS compliant	yes

MATERIALS:

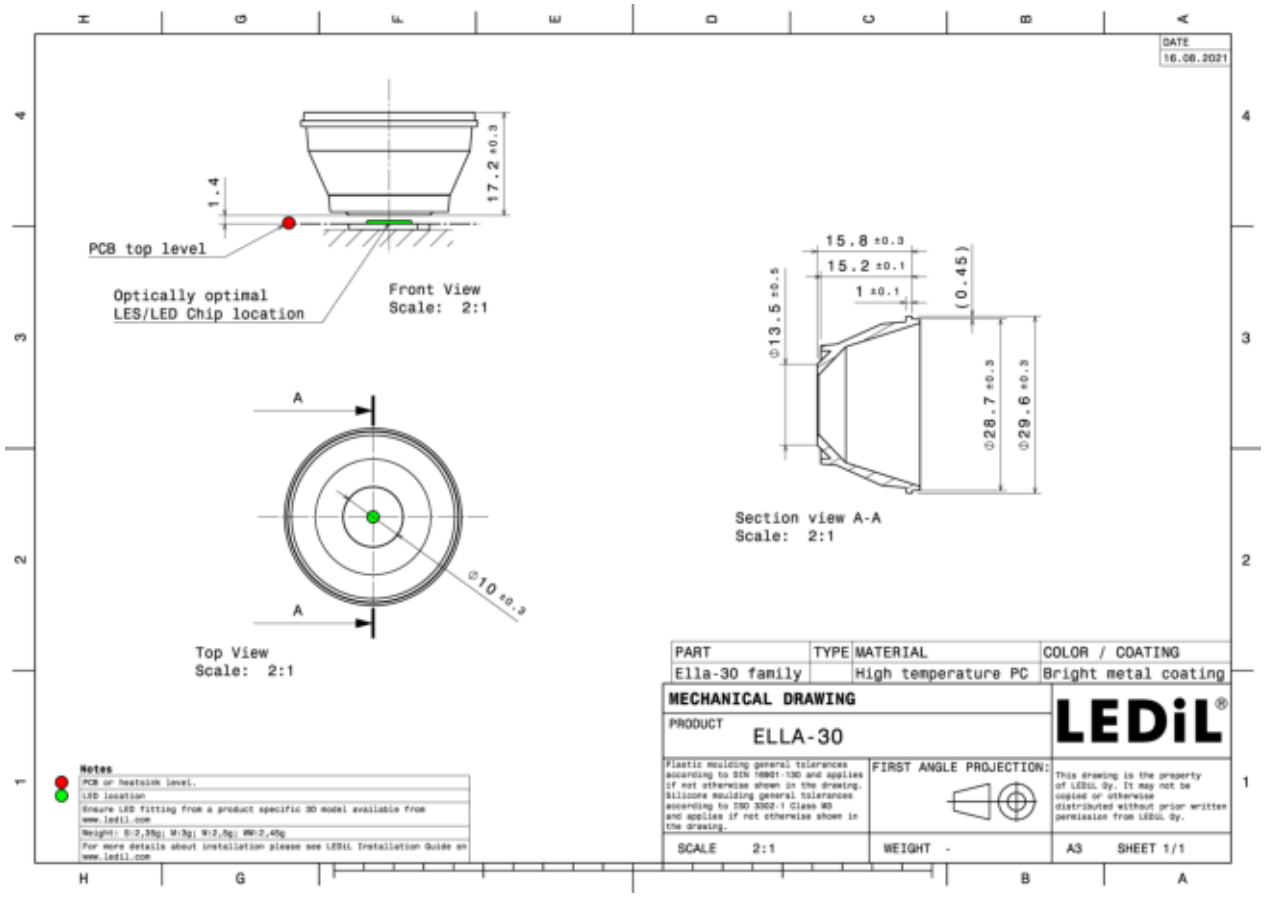
Component	Type	Material	Colour	Finish	Coating
ELLA-30-S	Reflector	HTPC	metal		HMDS

» Box size: 480 x 280 x 300 mm

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
C17246_ELLA-30-S	Reflector	1320	264	88	4.8

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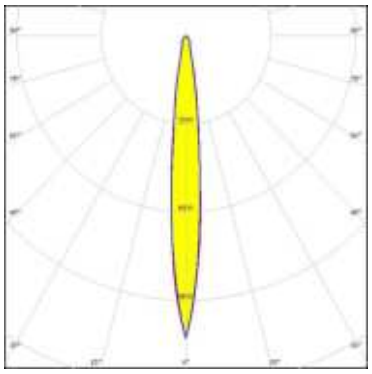


See also our general installation guide: www.ledil.com/installation_guide

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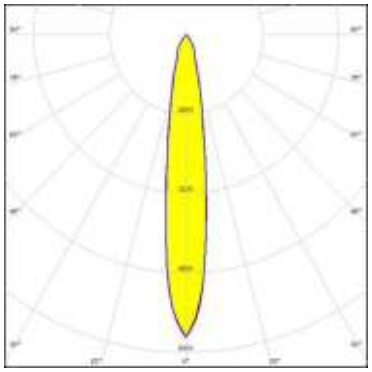
OPTICAL RESULTS (SIMULATED):

LED	V4 HD Gen 7
FWHM / FWTM	11.6° / 27.0°
Efficiency	94 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



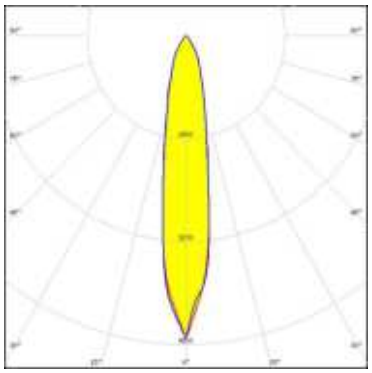
Light distribution files

LED	V6 HD Gen 7
FWHM / FWTM	15.7° / 40.5°
Efficiency	93 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LED	V8 Gen7
FWHM / FWTM	18.0° / 52.0°
Efficiency	92 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



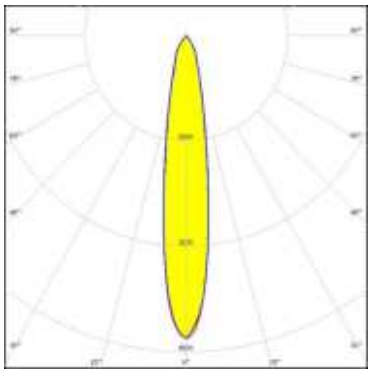
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CITIZEN

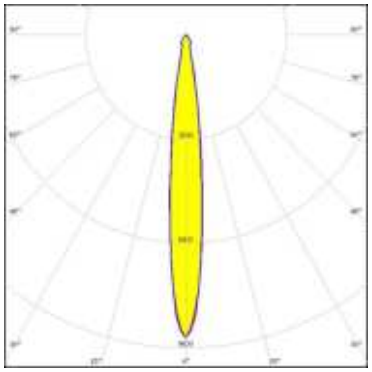
LED	CLU700/701/702/703
FWHM / FWTM	18.0° / 45.0°
Efficiency	87 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

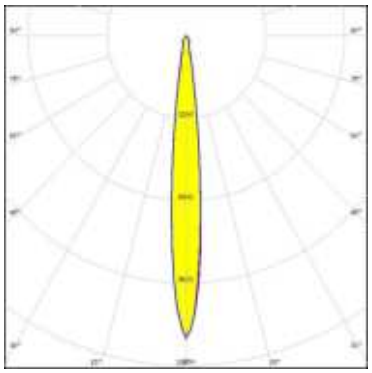
LED	CLU7A2/7A3
FWHM / FWTM	12.0° / 26.0°
Efficiency	90 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

LED	CLU7B2
FWHM / FWTM	12.0° / 22.0°
Efficiency	90 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



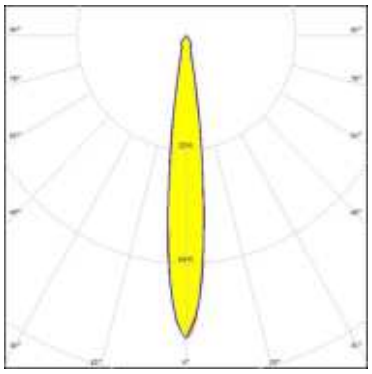
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

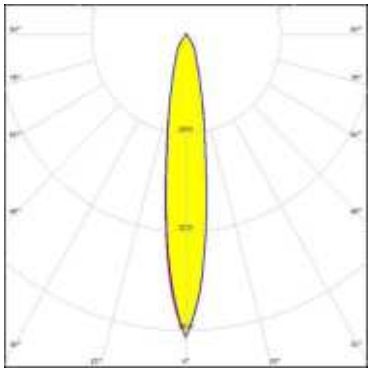
LED	CMA1303
FWHM / FWTM	14.0° / 27.0°
Efficiency	91 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

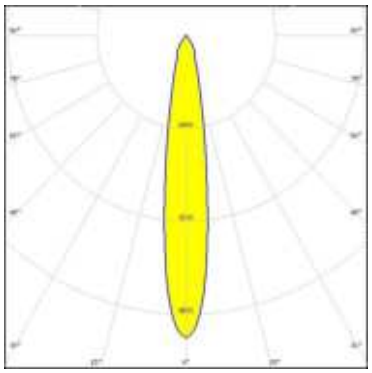
LED	CMA1306
FWHM / FWTM	16.0° / 44.0°
Efficiency	88 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	CXA/B 13xx
FWHM / FWTM	16.0° / 40.0°
Efficiency	90 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



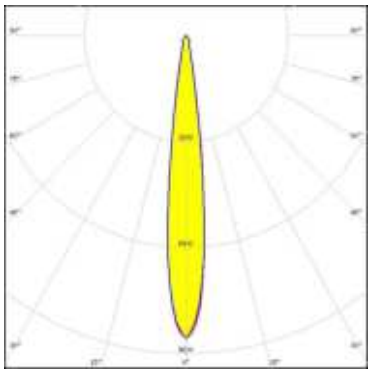
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

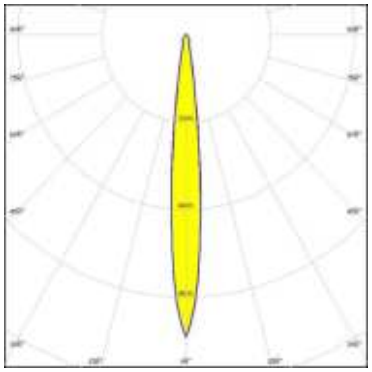
LED	XHP35.2 HD
FWHM / FWTM	14.0° / 24.0°
Efficiency	84 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP50.3 HI
FWHM / FWTM	12.0° / 24.0°
Efficiency	90 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

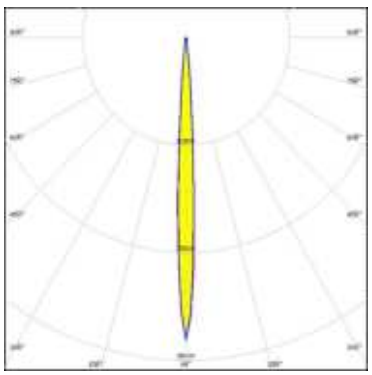


Light distribution files

LUMINUS

LED	SST-12 Gen2
FWHM / FWTM	6.0° / 12.0°
Efficiency	95 %
Peak intensity	36.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

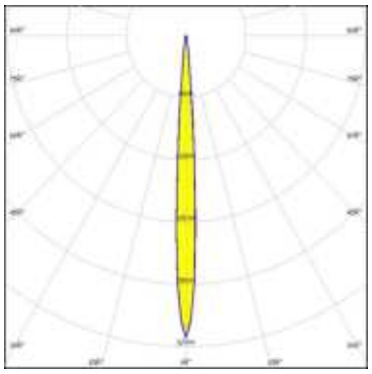
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OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	SST-20 Gen2
FWHM / FWTM	8.0° / 14.0°
Efficiency	95 %
Peak intensity	31.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

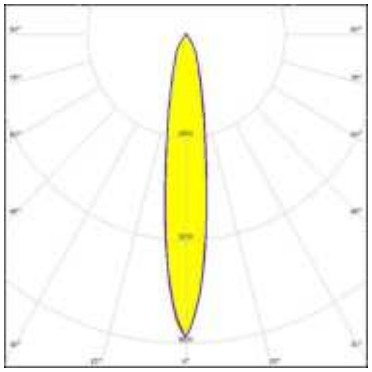




Light distribution files

TRIDONIC

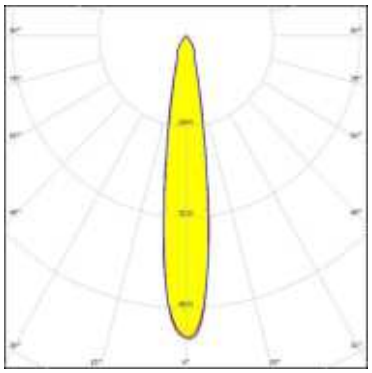
LED	SLE SNC8 LES06
FWHM / FWTM	16.0° / 46.0°
Efficiency	89 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

XICATO

LED	XOB06 Gen1
FWHM / FWTM	17.0° / 39.0°
Efficiency	90 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



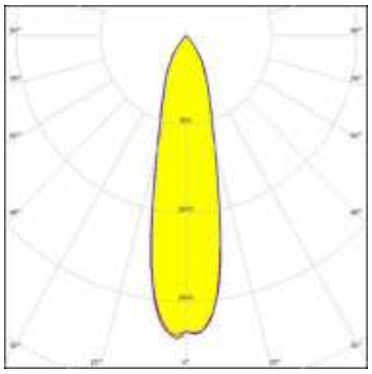
Light distribution files

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OPTICAL RESULTS (SIMULATED):

XICATO

LED	XOB09 Gen1
FWHM / FWTM	26.0° / 64.0°
Efficiency	88 %
Peak intensity	2.8 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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