BOOM-S

~20° spot beam. Assembly with 0.2 mm thick installation tape.



SPECIFICATION:

Dimensions	Ø 22.2 mm
Height	14.3 mm
Fastening	glue, tape
ROHS compliant	yes

MATERIALS:

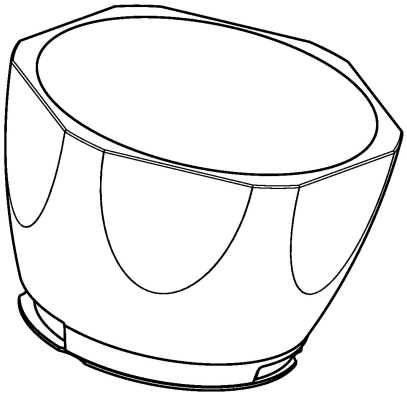
Component	Type	Material	Colour	Finish
BOOM-S	Reflector	PC	metal	
BOOM-TAPE	Tape	PET tape	clear	

ORDERING INFORMATION:

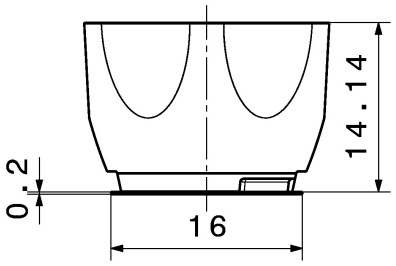
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA10715_BOOM-S	Reflector	1680	336	112	3.7
» Box size: 476 x 273 x 292 mm					

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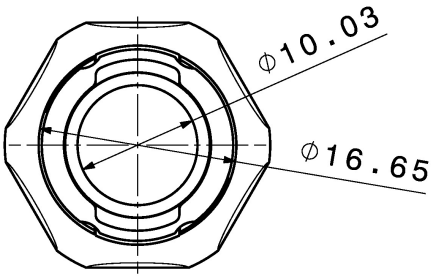
DATE
29.11.2018



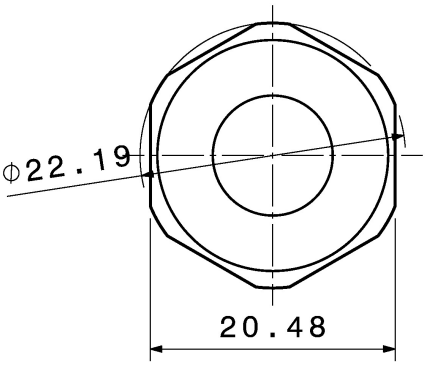
Isometric view
Scale: 3:1



Front view



Bottom view



Top view

PART	TYPE	MATERIAL	COLOR / COATING
10715, 10930, 10931			metal

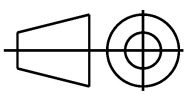
MECHANICAL DRAWING

PRODUCT BOOMERANG

LEDiL®

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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SCALE 2:1 | WEIGHT - | A4 SHEET 1/1

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

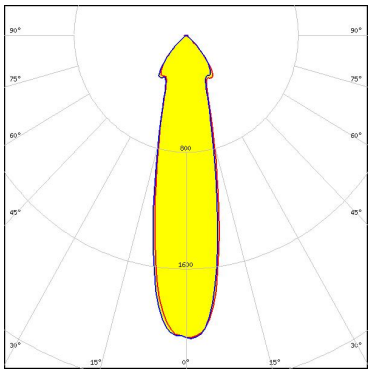
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	MHB-A/B
FWHM / FWTM	23.0° / 86.0°
Efficiency	87 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

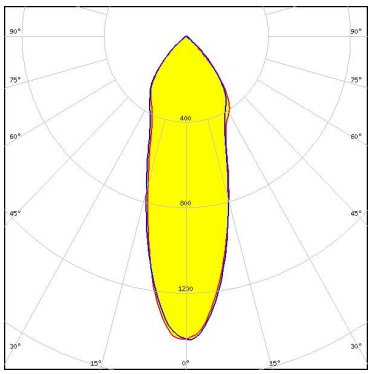




CREE LEDs

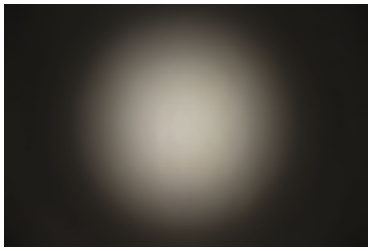
LED	MHD-E/G
FWHM / FWTM	32.0° / 90.0°
Efficiency	87 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

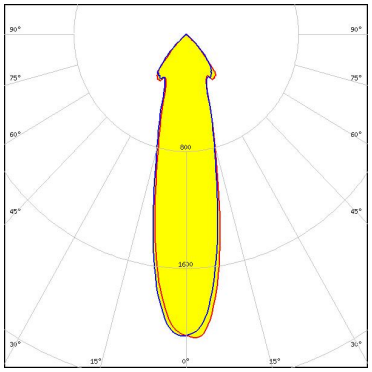




NICHIA

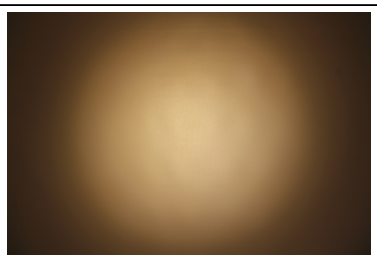
LED	NFMW48xA
FWHM / FWTM	25.0° / 84.0°
Efficiency	86 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

LED	Duris S10
FWHM / FWTM	35.0° / 87.0°
Efficiency	82 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	P7
FWHM / FWTM	17.0° / 48.0°
Efficiency	%
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

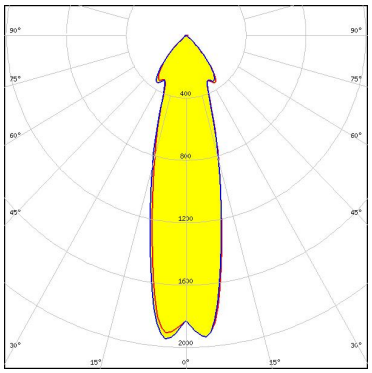
Required components:

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OPTICAL RESULTS (SIMULATED):

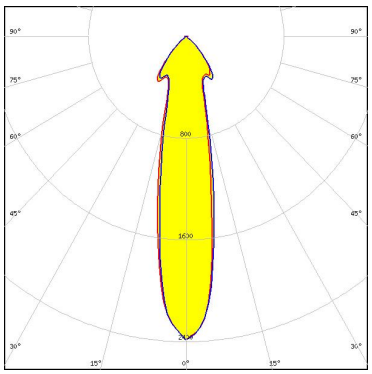
CREE LEDs

LED	J Series 5050 Round LES
FWHM / FWTM	28.0° / 84.0°
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



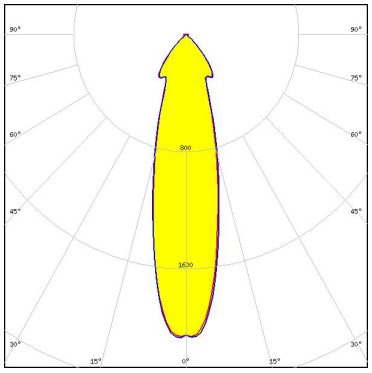
CREE LEDs

LED	MC-E
FWHM / FWTM	21.0° / 83.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



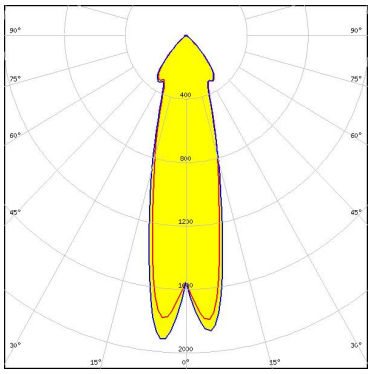
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	26.0° / 82.0°
Efficiency	86 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	26.2° / 84.6°
Efficiency	87 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

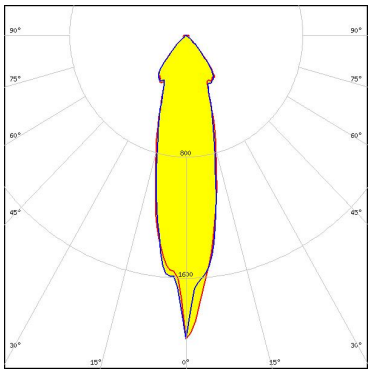


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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	25.0° / 85.0°
Efficiency	86 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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.

MATERIALS:

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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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