

## BOOM-M

~30° medium beam. Assembly with 0.2 mm thick installation tape.

### SPECIFICATION:

Dimensions	Ø 22.2 mm
Height	14.3 mm
Fastening	tape
ROHS compliant	yes ⓘ

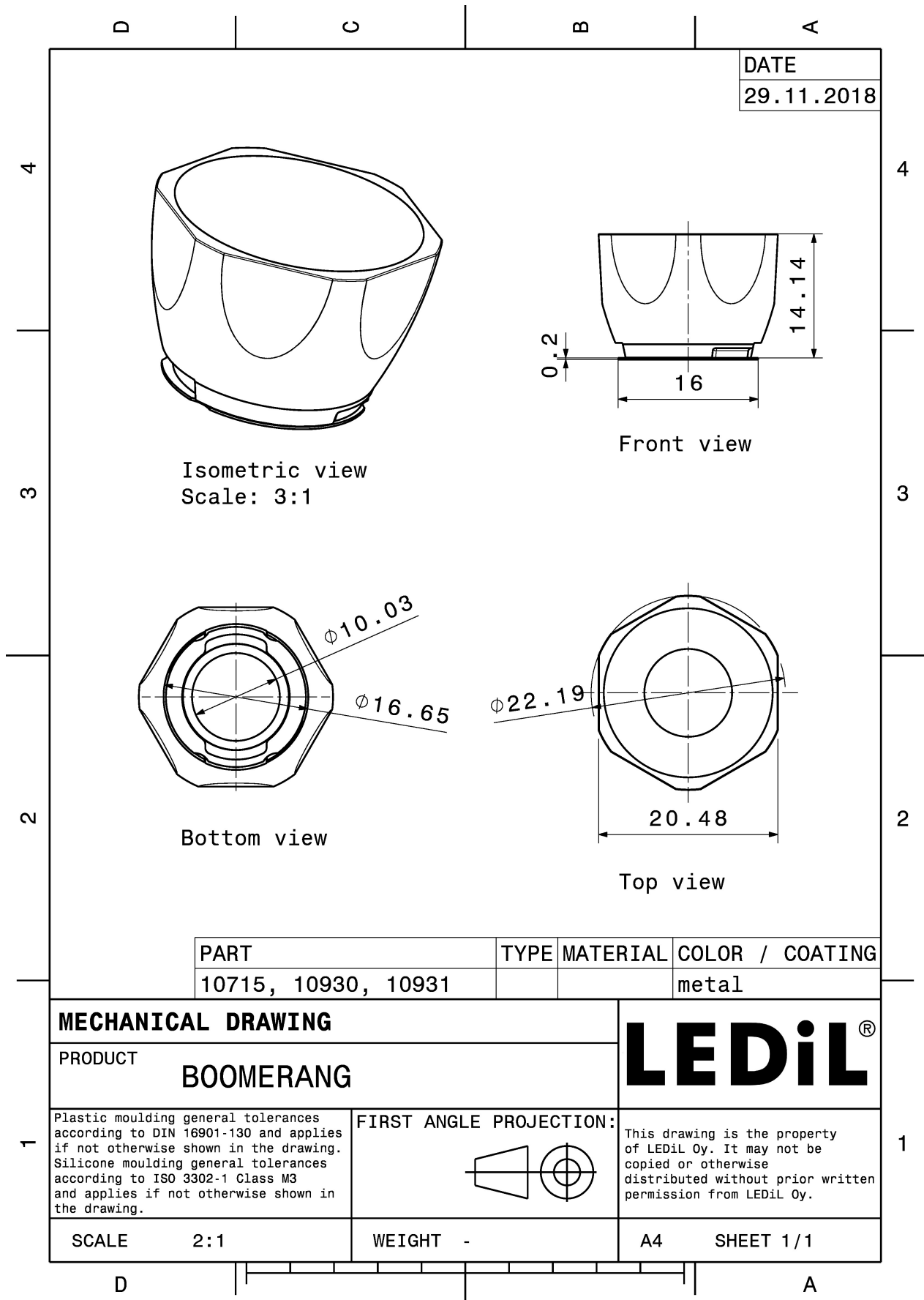


### MATERIALS:

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

### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA10930_BOOM-M	Reflector	1680	336	112	5.4
» Box size: 480 x 280 x 300 mm					



DATE
29.11.2018

Isometric view  
Scale: 3:1

Front view

Bottom view

Top view

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

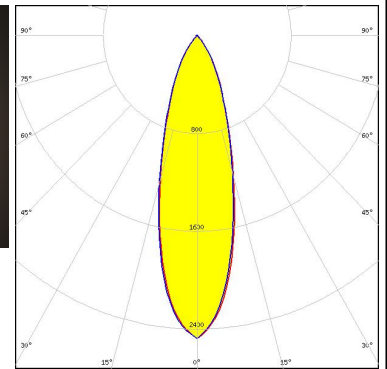
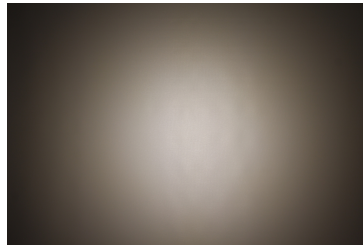
<b>MECHANICAL DRAWING</b>		<b>LEDiL®</b>
PRODUCT <b>BOOMERANG</b>		
Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.	FIRST ANGLE PROJECTION: 	This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.
SCALE 2:1	WEIGHT -	

See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

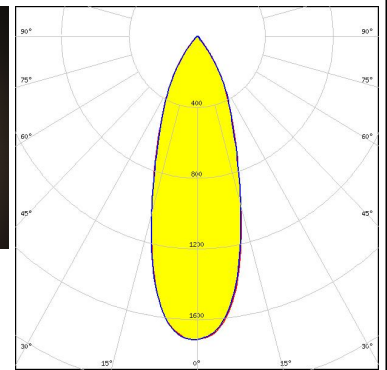
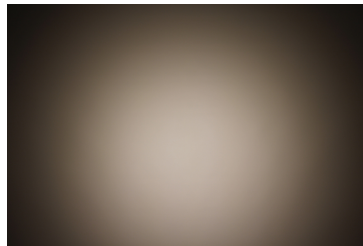
### OPTICAL RESULTS (MEASURED):



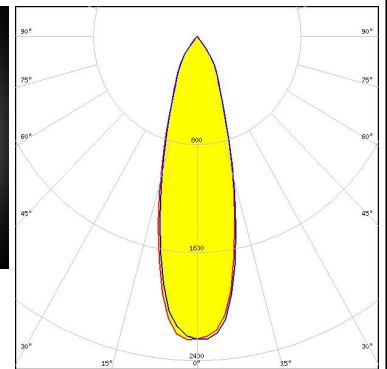
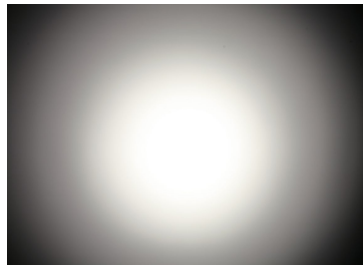
LED MHB-A/B  
 FWHM / FWTM 31.0° / 70.0°  
 Efficiency 82 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



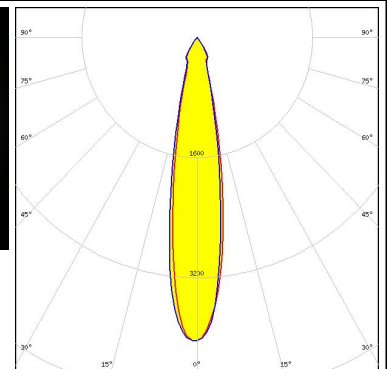
LED MHD-E/G  
 FWHM / FWTM 34.0° / 72.0°  
 Efficiency 82 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



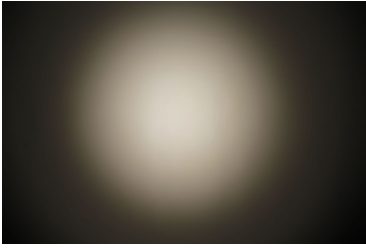
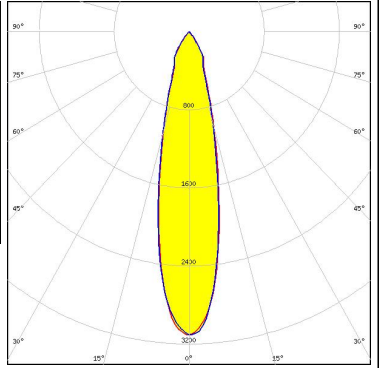

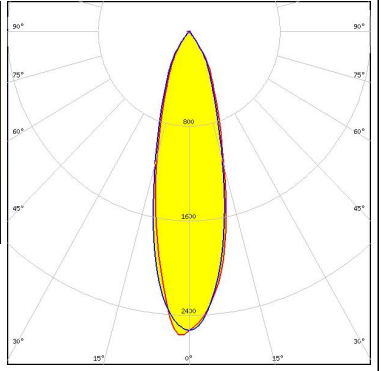
LED LUXEON M/MX  
 FWHM / FWTM 30.0° / 66.0°  
 Efficiency 79 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON MZ  
 FWHM / FWTM 20.0° / 41.0°  
 Efficiency 75 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



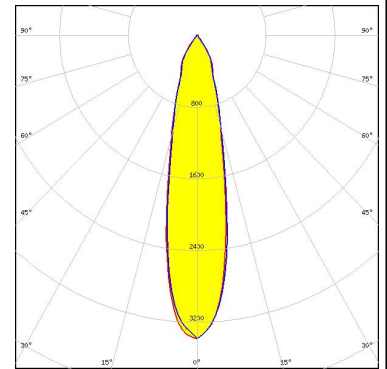
### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NFMW48xA            FWHM / FWTM 23.0° / 59.0°            Efficiency 80 %            Peak intensity 3.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S10            FWHM / FWTM 28.0° / 65.0°            Efficiency 74 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED P7            FWHM / FWTM 33.0° / 74.0°            Efficiency %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

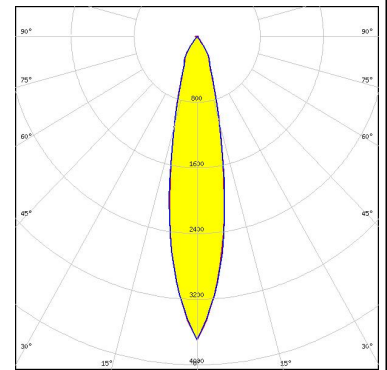
### OPTICAL RESULTS (SIMULATED):



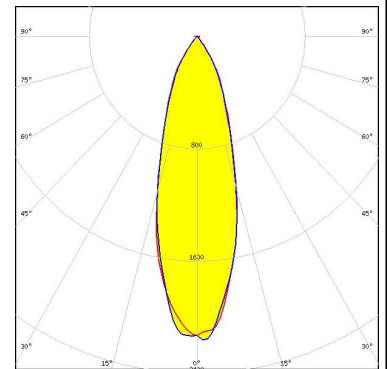
LED MC-E  
 FWHM / FWTM 23.0° / 60.0°  
 Efficiency 90 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



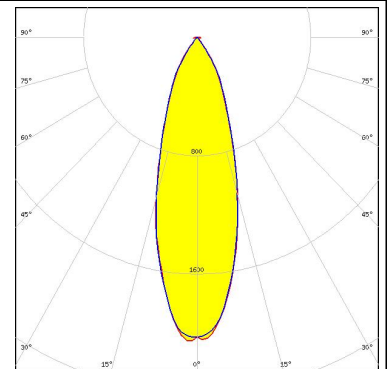
LED LUXEON 5050 Round LES  
 FWHM / FWTM 22.0° / 52.0°  
 Efficiency 86 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 7070  
 FWHM / FWTM 31.0° / 67.0°  
 Efficiency 83 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



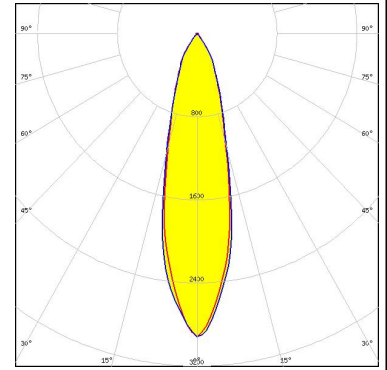
LED COB S-Type (LES 7)  
 FWHM / FWTM 31.6° / 67.0°  
 Efficiency 82 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

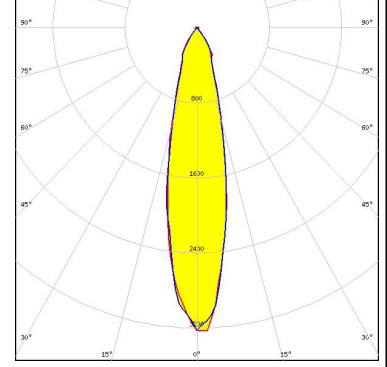
#### OSRAM Opto Semiconductors

LED Duris S8  
FWHM / FWTM 25.7° / 61.7°  
Efficiency 87 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



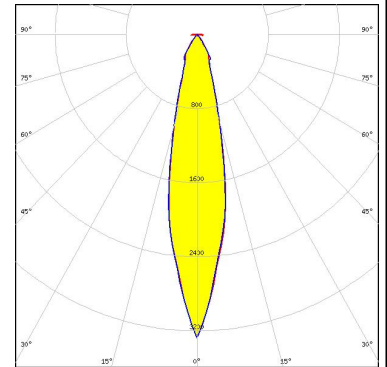
#### OSRAM Opto Semiconductors

LED OSCONIQ P 7070  
FWHM / FWTM 25.0° / 63.0°  
Efficiency 85 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SEOUL SEMICONDUCTOR

LED Z8Y19  
FWHM / FWTM 22.0° / 50.0°  
Efficiency 79 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 4  
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.

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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