YASMEEN-50-S-C-WHT

~15° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. White version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	28.1 mm
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
YASMEEN-50-S	Single lens	PMMA	clear	
YASMEEN-50-HLD-C-WHT	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17564_YASMEEN-50-S-C-WHT	Single lens	252	112	28	8.9

» Box size: 476 x 273 x 305 mm

DATE
06.04.2020

Ø21.45

Bottom view
Scale: 3:2

Isometric view
Scale: 3:2

28.1

Front view
Scale: 3:2

Ø49.9

Top view
Scale: 3:2

CP17564_YASMEEN-50-S-C-WHT

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C17561_YASMEEN-50-HLD-C-WHT		PC	white
2	C17234_YASMEEN-50-S			

MECHANICAL DRAWING

PRODUCT

YASMEEN

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	3:2	WEIGHT	29.219 g	A3	SHEET 1/1

Notes
- 🔴 PCB or heatsink level.
- 🟢 LED location
- 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):

bridgelux

LED	V11 HD
FWHM / FWTM	20.0° / 43.0°
Efficiency	93 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 633d Hekla	
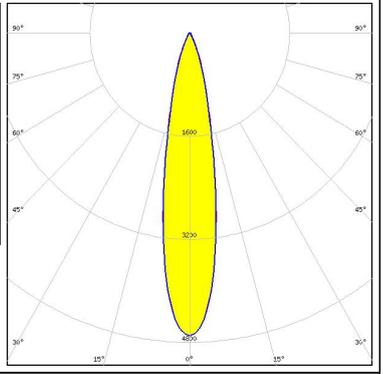
bridgelux

LED	V4 HD
FWHM / FWTM	11.0° / 23.0°
Efficiency	94 %
Peak intensity	15 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15253_HEKLA-SOCKET-A	
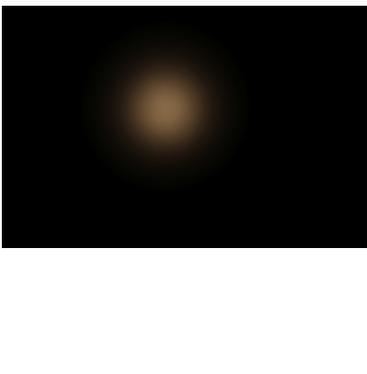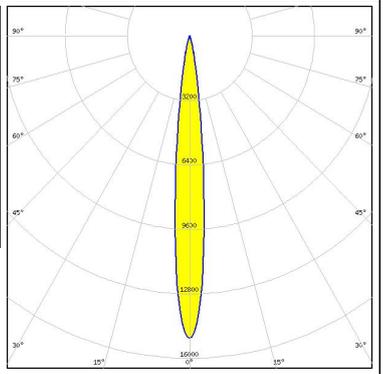
bridgelux

LED	V6 HD
FWHM / FWTM	13.0° / 28.0°
Efficiency	94 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	
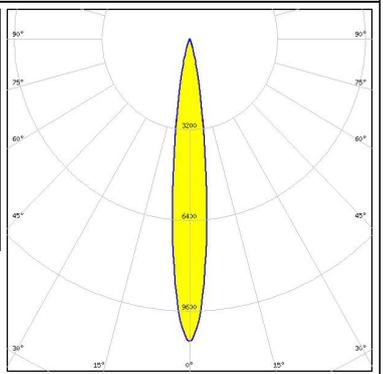
bridgelux

LED	VERO10
FWHM / FWTM	17.0° / 37.0°
Efficiency	92 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15616_HEKLA-SOCKET-F	

PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	25.0° / 53.0°
Efficiency	89 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  Bender Wirth: 632b Hekla XL

bridgelux
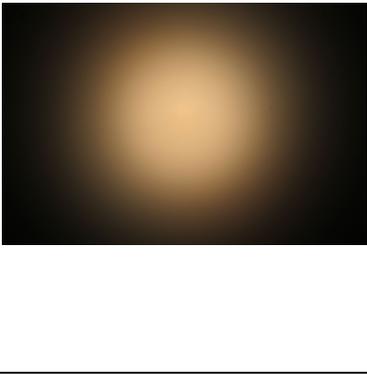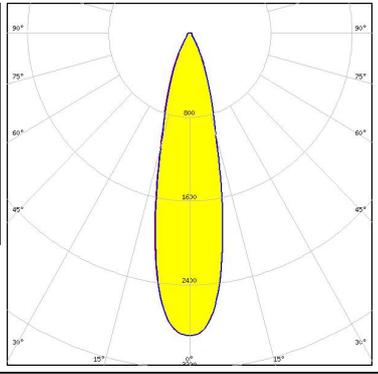
LED	Vesta DTW 15mm (33W)
FWHM / FWTM	26.0° / 56.0°
Efficiency	88 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	Tunable White

Required components:
  Bender Wirth: 632b Hekla XL

bridgelux
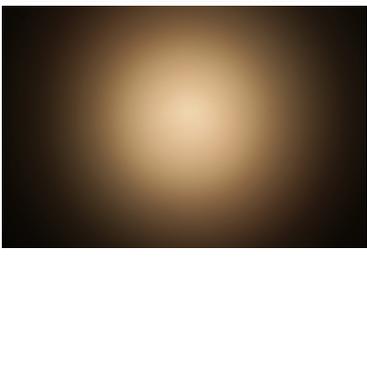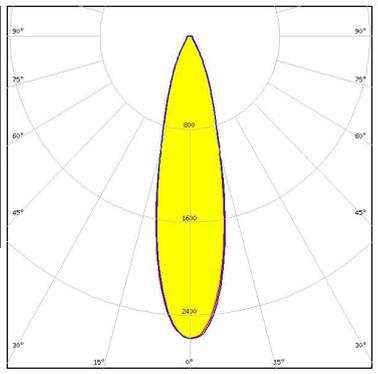
LED	Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM	18.0° / 37.0°
Efficiency	93 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  Bender Wirth: 652b Hekla
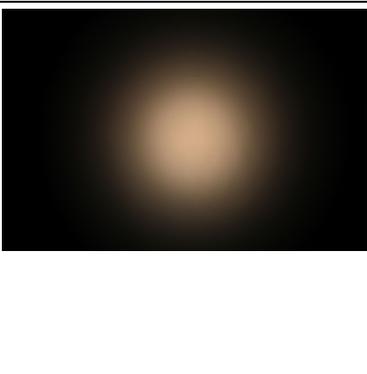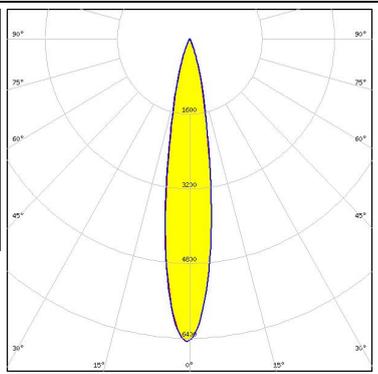
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	18.0° / 39.0°
Efficiency	92 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
  F17435_HEKLA-G2-C
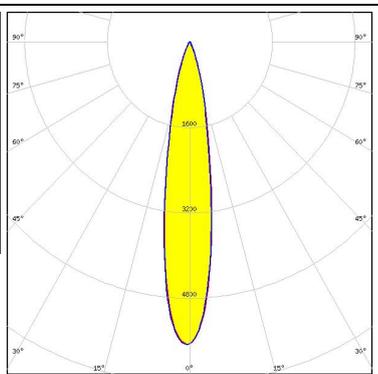
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU700/701/702
FWHM / FWTM	13.0° / 27.0°
Efficiency	93 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
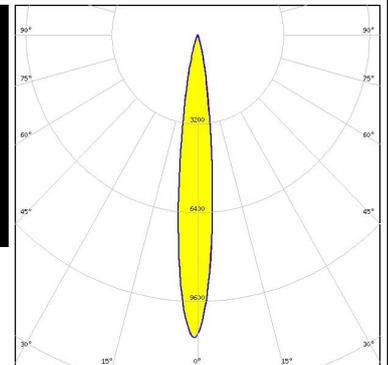
CITIZEN

LED	CLU7A2 (LES 4.2mm)
FWHM / FWTM	11.0° / 23.0°
Efficiency	94 %
Peak intensity	15.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
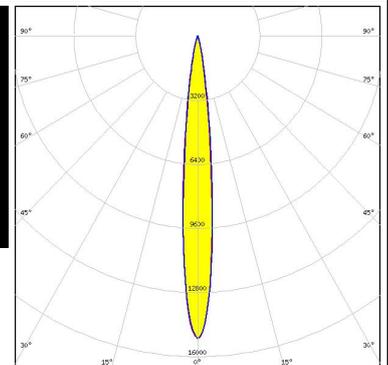
CITIZEN

LED	CLU7B2
FWHM / FWTM	10.0° / 21.0°
Efficiency	94 %
Peak intensity	17.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
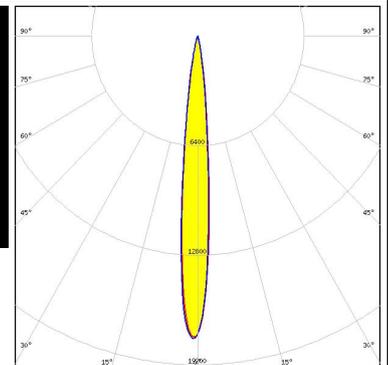
CREE⇌LED

LED	CMA1516
FWHM / FWTM	17.0° / 37.0°
Efficiency	93 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17436_HEKLA-G2-D	
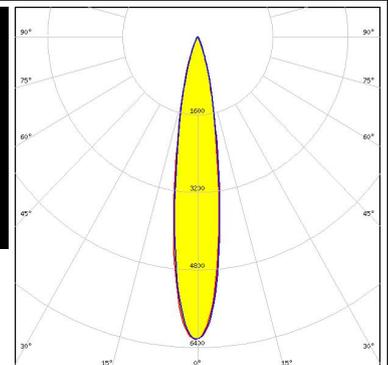
PHOTOMETRIC DATA (MEASURED):

CREE⇌LED

LED	CMT14xx
FWHM / FWTM	18.0° / 38.0°
Efficiency	92 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C
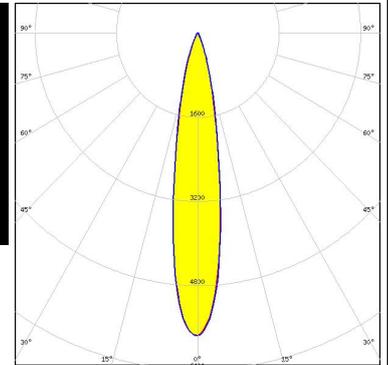
CREE⇌LED

LED	CXA/B 13xx
FWHM / FWTM	12.0° / 26.0°
Efficiency	94 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17439_HEKLA-G2-J
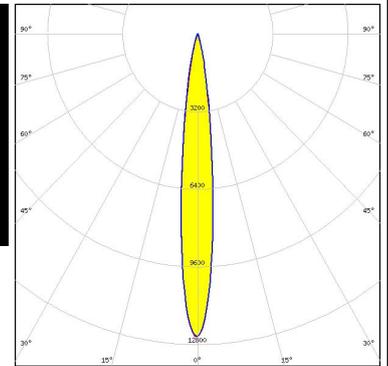
CREE⇌LED

LED	CXA/B 15xx
FWHM / FWTM	16.0° / 34.0°
Efficiency	93 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17436_HEKLA-G2-D
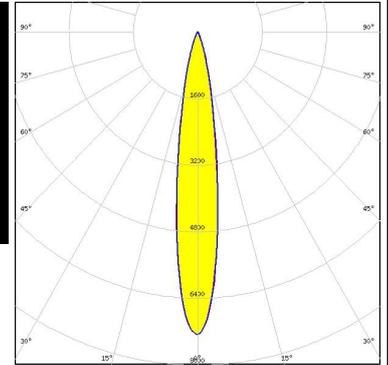
LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	17.0° / 37.0°
Efficiency	92 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17437_HEKLA-G2-H
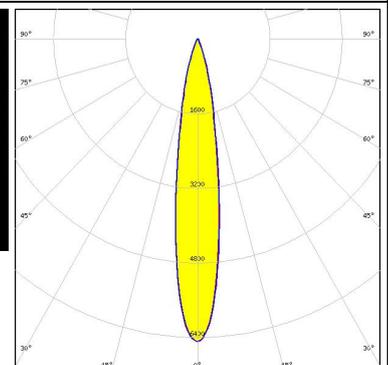
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1204HD
FWHM / FWTM	17.0° / 37.0°
Efficiency	93 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17437_HEKLA-G2-H	
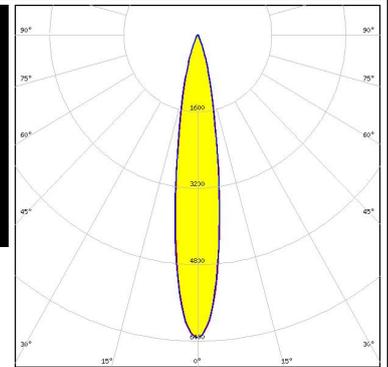
LUMILEDS

LED	LUXEON CoB M02/M03
FWHM / FWTM	16.0° / 35.0°
Efficiency	93 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17436_HEKLA-G2-D	
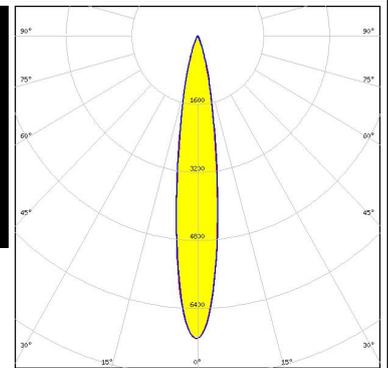
LUMILEDS

LED	LUXEON CoB S01
FWHM / FWTM	12.0° / 26.0°
Efficiency	94 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17439_HEKLA-G2-J	
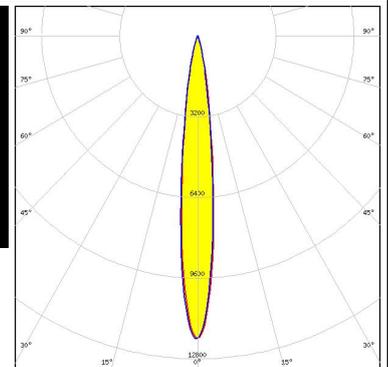
LUMINUS

LED	CXM-3
FWHM / FWTM	10.0° / 21.0°
Efficiency	94 %
Peak intensity	17.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

PHOTOMETRIC DATA (MEASURED):

LUMINUS
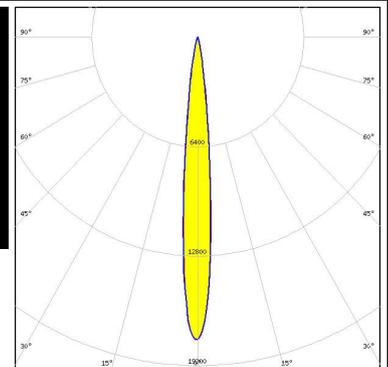
LED	CXM-4
FWHM / FWTM	11.0° / 24.0°
Efficiency	94 %
Peak intensity	14.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

NICHIA
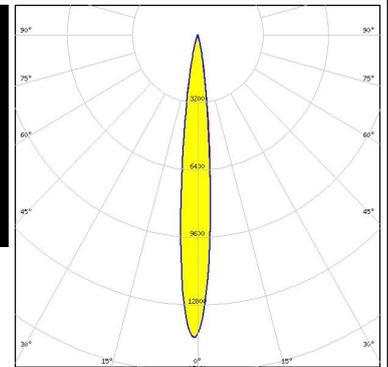
LED	COB L-Type (LES 9)
FWHM / FWTM	16.0° / 35.0°
Efficiency	92 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17437_HEKLA-G2-H	

NICHIA
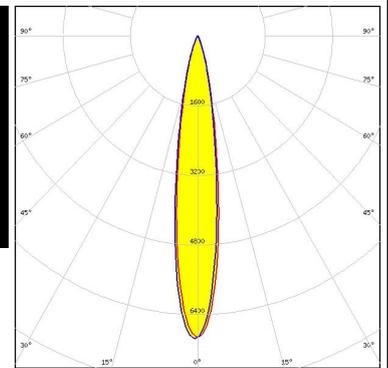
LED	COB S-Type (LES 7)
FWHM / FWTM	14.0° / 29.0°
Efficiency	93 %
Peak intensity	10.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	

PHILIPS
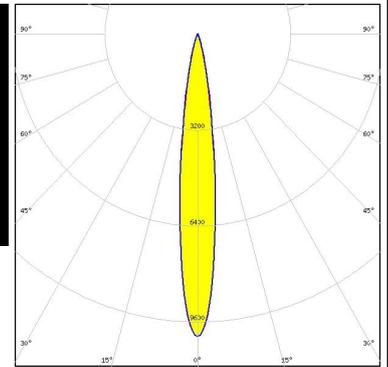
LED	Fortimo SLM L09 CoB
FWHM / FWTM	17.0° / 37.0°
Efficiency	92 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17437_HEKLA-G2-H	
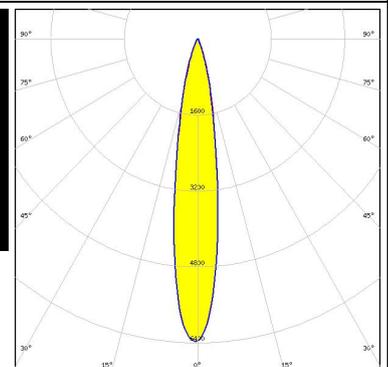
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	17.0° / 38.0°
Efficiency	92 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
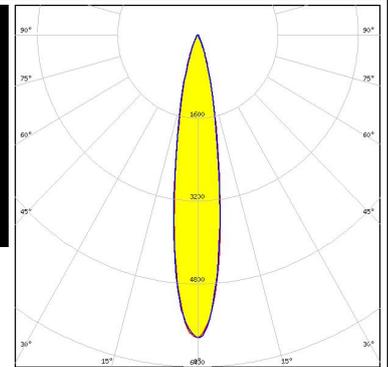
SEOUL SEMICONDUCTOR

LED	MJT COB LES 6
FWHM / FWTM	12.0° / 27.0°
Efficiency	94 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
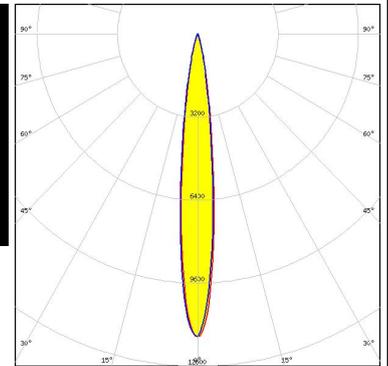
SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
FWHM / FWTM	18.0° / 39.0°
Efficiency	92 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
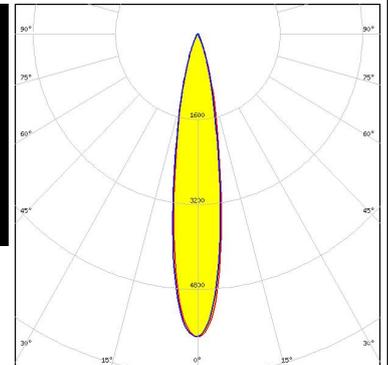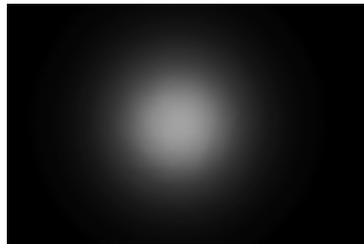
TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	17.0° / 36.0°
Efficiency	93 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	
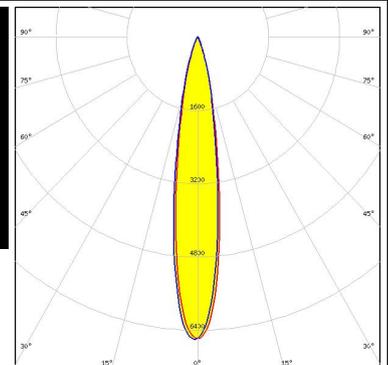
GENERAL INFORMATION:

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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