

YASMEEN-70-S-C

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

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.9 mm
Height	39.9 mm
ROHS compliant	yes ⓘ

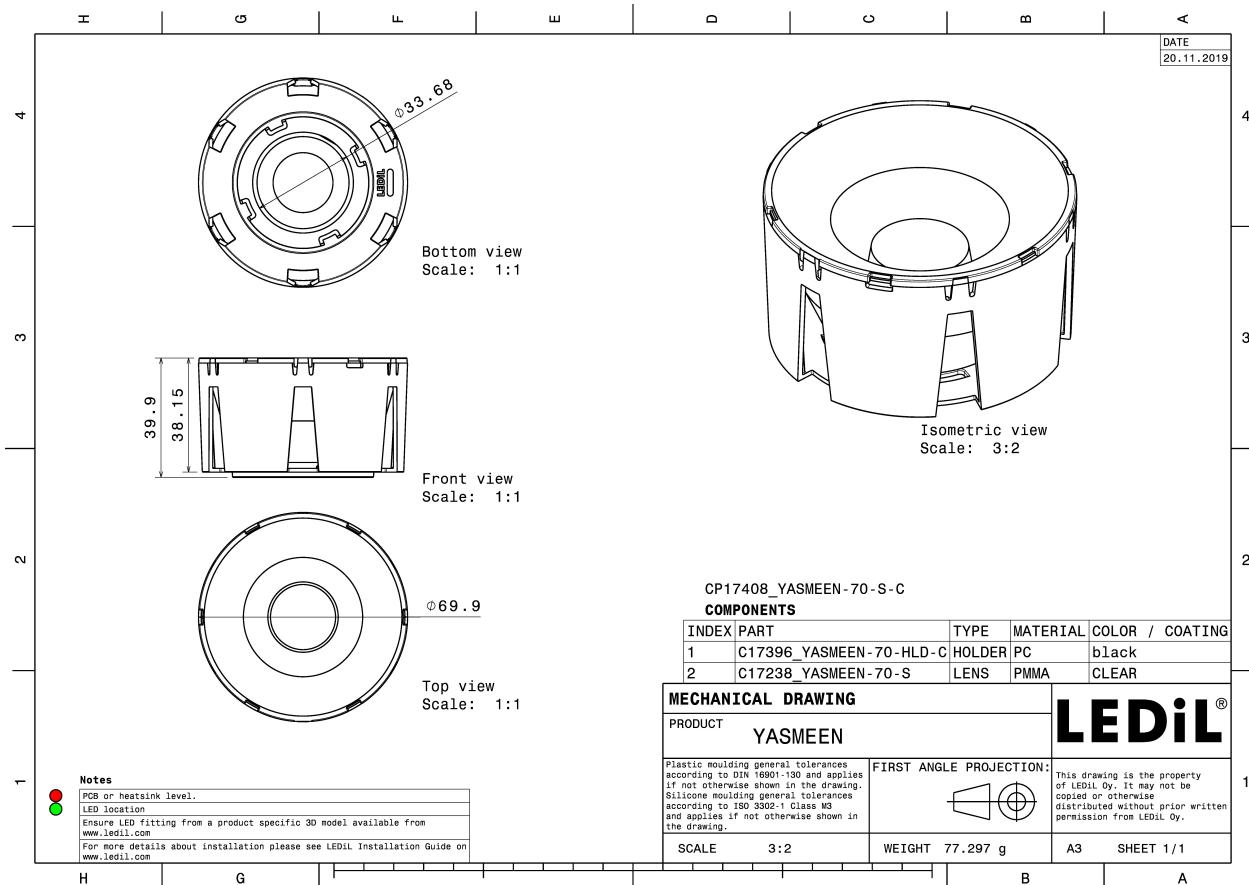


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
YASMEEN-70-S	Single lens	PMMA	clear	
YASMEEN-70-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17408_YASMEEN-70-S-C » Box size: 476 x 273 x 305 mm	Single lens	105	105	15

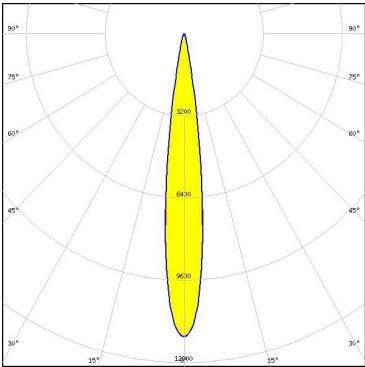


See also our general installation guide: www.ledil.com/installation_guide

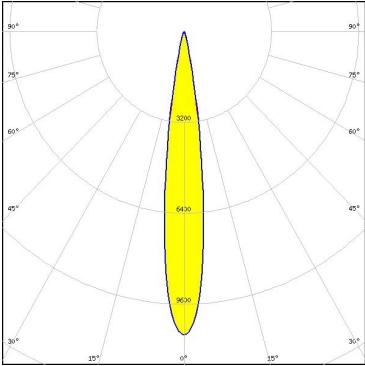
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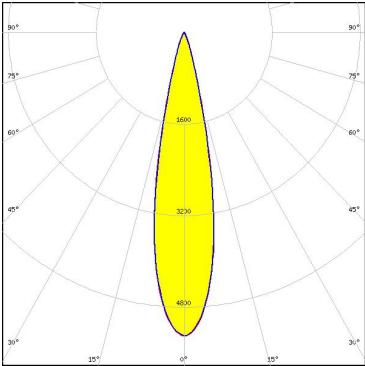
LED V9 HD
FWHM / FWTM 14.0° / 24.0°
Efficiency 87 %
Peak intensity 11.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15859_HEKLA-SOCKET-I



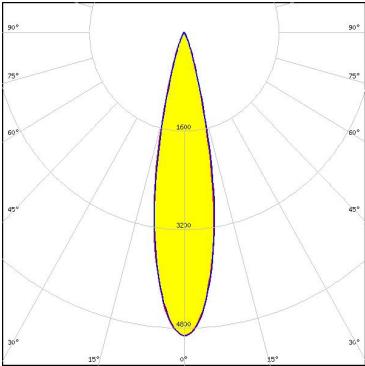
LED VERO10
FWHM / FWTM 14.0° / 25.0°
Efficiency 88 %
Peak intensity 10.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15616_HEKLA-SOCKET-F



LED Vesta DTW 13mm (21W)
FWHM / FWTM 22.0° / 37.0°
Efficiency 86 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 Bender Wirth: 632b Hekla XL



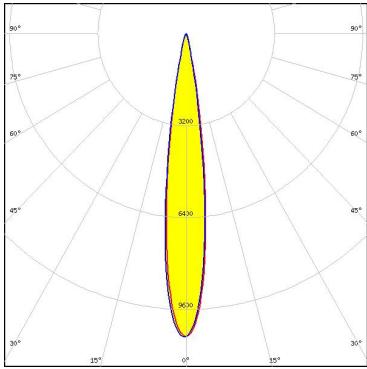
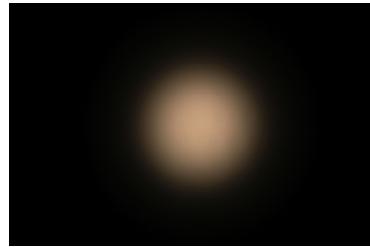
LED Vesta DTW 15mm (33W)
FWHM / FWTM 23.0° / 39.0°
Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 Bender Wirth: 632b Hekla XL



PHOTOMETRIC DATA (MEASURED):

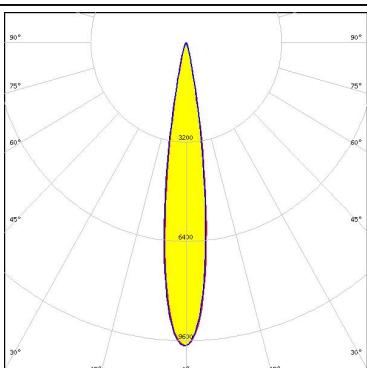


LED	Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM	15.0° / 26.0°
Efficiency	88 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
	Bender Wirth: 652b Hekla



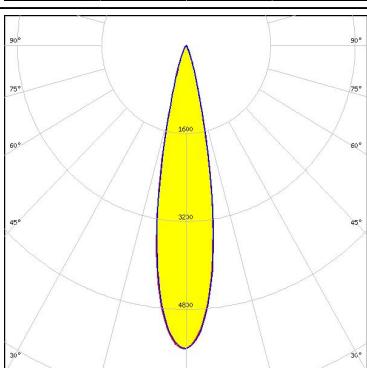
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	15.0° / 27.0°
Efficiency	87 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17435_HEKLA-G2-C



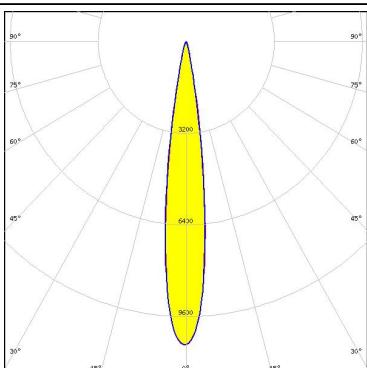
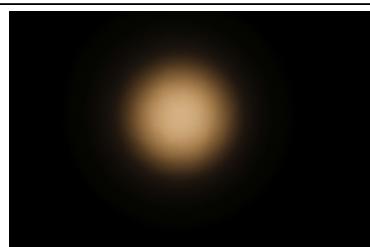
CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	21.0° / 36.5°
Efficiency	85 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I

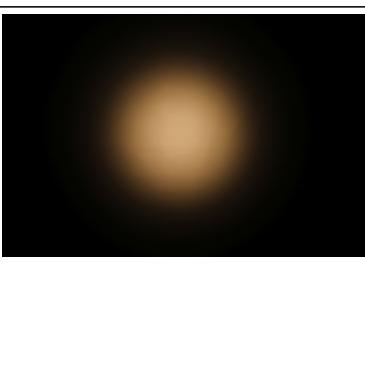
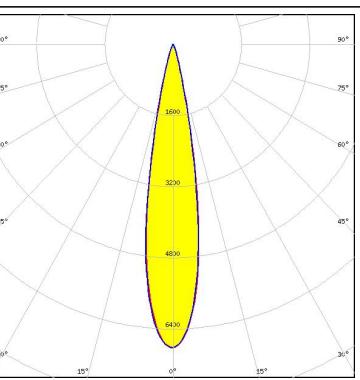
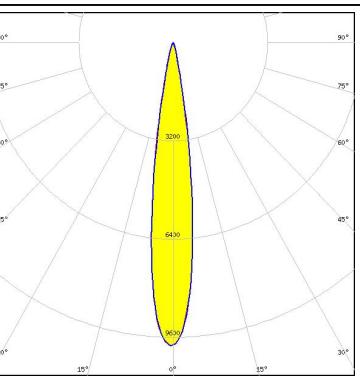
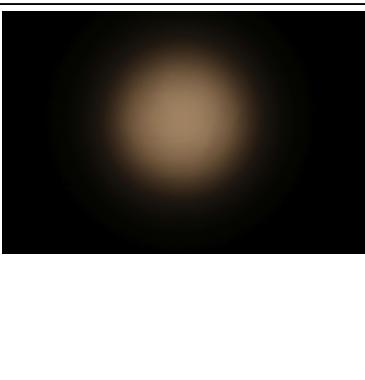
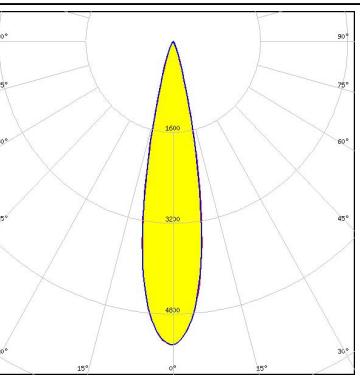
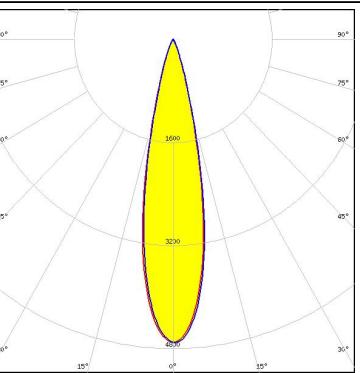


CREE → LED

LED	CMA1516
FWHM / FWTM	14.0° / 25.0°
Efficiency	87 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17436_HEKLA-G2-D



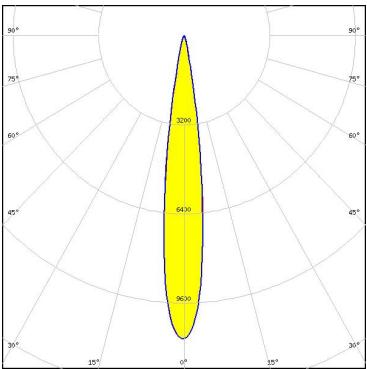
PHOTOMETRIC DATA (MEASURED):

CREE → LED <p>LED CMA1825 FWHM / FWTM 19.0° / 32.0° Efficiency 87 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15254_HEKLA-SOCKET-B</p>		
CREE → LED <p>LED CMT14xx FWHM / FWTM 15.0° / 26.0° Efficiency 86 % Peak intensity 9.9 cd/lm LEDs/each optic 1 Light colour White Required components: F17435_HEKLA-G2-C</p>		
CREE → LED <p>LED CMT19xx FWHM / FWTM 21.0° / 36.0° Efficiency 85 % Peak intensity 5.3 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I</p>		
CREE → LED <p>LED CMU15xx FWHM / FWTM 23.0° / 39.0° Efficiency 84 % Peak intensity 4.7 cd/lm LEDs/each optic 1 Light colour White Required components: F17438_HEKLA-G2-I</p>		

PHOTOMETRIC DATA (MEASURED):

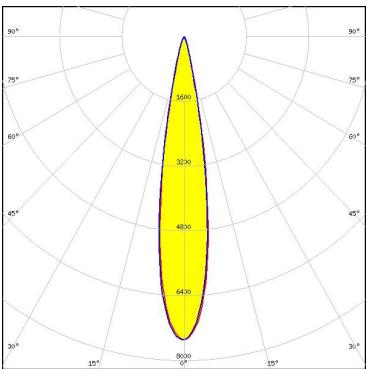
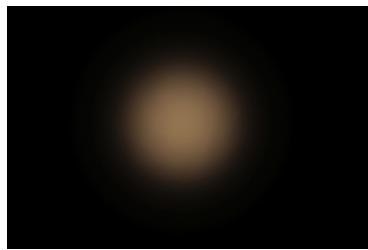
LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	14.0° / 24.0°
Efficiency	86 %
Peak intensity	10.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17437_HEKLA-G2-H



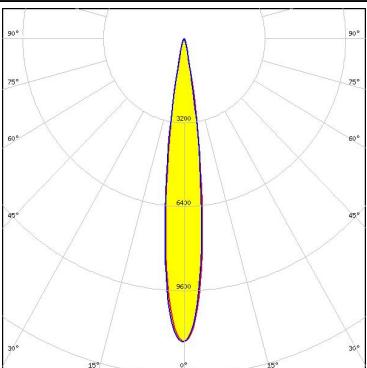
NICHIA

LED	COB L-Type (LES 11)
FWHM / FWTM	17.0° / 30.0°
Efficiency	86 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17437_HEKLA-G2-H



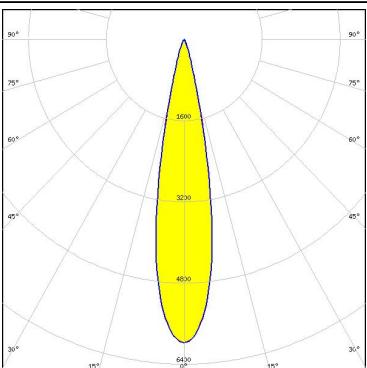
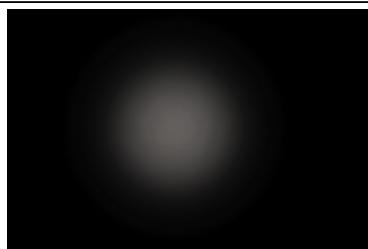
NICHIA

LED	COB L-Type (LES 9)
FWHM / FWTM	13.0° / 24.0°
Efficiency	86 %
Peak intensity	11.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17437_HEKLA-G2-H



NICHIA

LED	COB S-Type (LES 7)
FWHM / FWTM	20.0° / 34.0°
Efficiency	85 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I



PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L09 CoB

FWHM / FWTM 14.0° / 25.0°

Efficiency 86 %

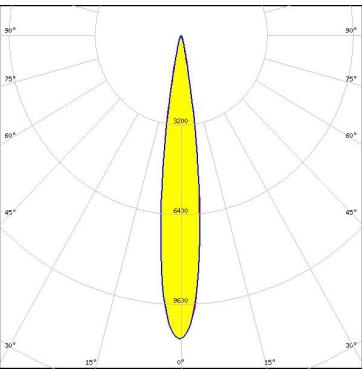
Peak intensity 10.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F17437_HEKLA-G2-H



SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 23.0° / 39.0°

Efficiency 85 %

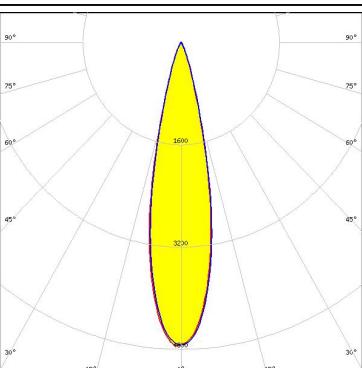
Peak intensity 4.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F17438_HEKLA-G2-I



SAMSUNG

LED LC030C/040C G2

FWHM / FWTM 17.0° / 30.0°

Efficiency 86 %

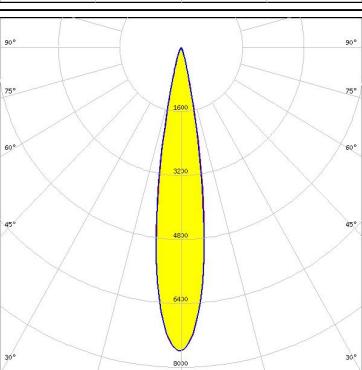
Peak intensity 7.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F17438_HEKLA-G2-I



SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5

FWHM / FWTM 23.0° / 38.0°

Efficiency 85 %

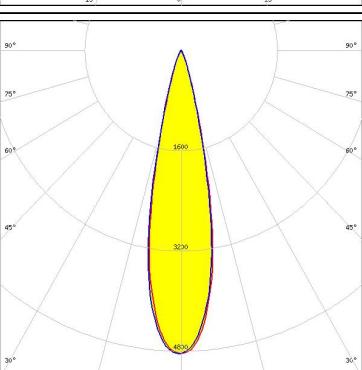
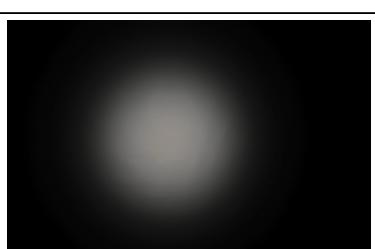
Peak intensity 4.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F17438_HEKLA-G2-I



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G7 LES09

FWHM / FWTM 14.0° / 25.0°

Efficiency 87 %

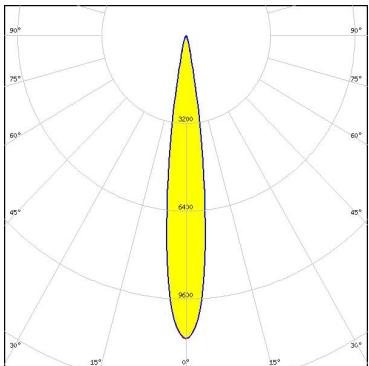
Peak intensity 11.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F17435_HEKLA-G2-C



TRIDONIC

LED SLE G7 LES15

FWHM / FWTM 22.0° / 38.0°

Efficiency 85 %

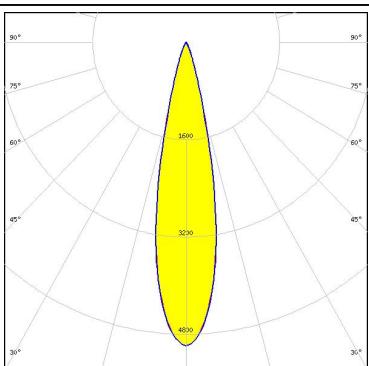
Peak intensity 5 cd/lm

LEDs/each optic 1

Light colour White

Required components:

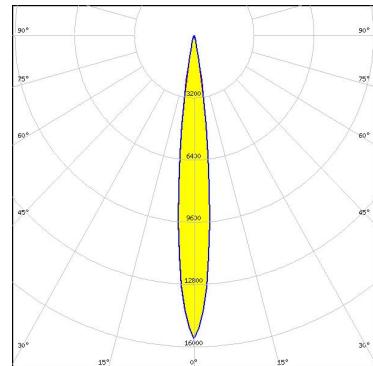
F17438_HEKLA-G2-I



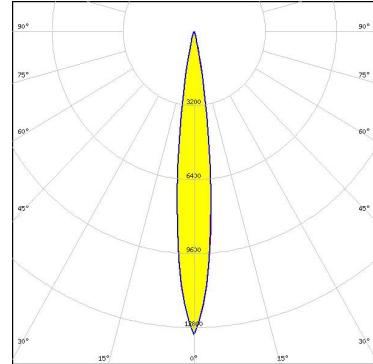
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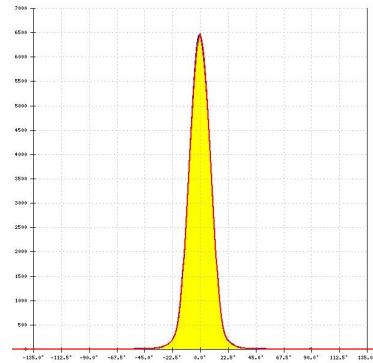
LED	V6 HD
FWHM / FWTM	12.0° / 22.0°
Efficiency	89 %
Peak intensity	15.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F15255_HEKLA-SOCKET-C



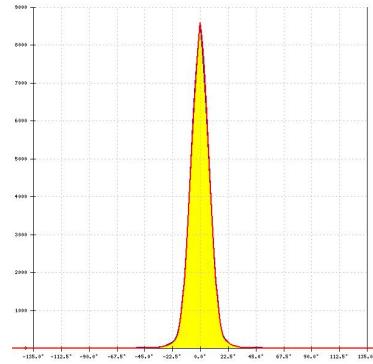
LED	V8 Gen 8
FWHM / FWTM	14.0° / 24.0°
Efficiency	88 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F15253_HEKLA-SOCKET-A



LED	Vesta TW 13mm (25W) CSP
FWHM / FWTM	20.0° / 34.0°
Efficiency	90 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
	C16142_HEKLA-SOCKET-K



LED	Vesta TW 9mm (12W) CSP
FWHM / FWTM	16.0° / 30.0°
Efficiency	90 %
Peak intensity	8.6 cd/lm
LEDs/each optic	1
Light colour	Tunable White
Required components:	
	C16142_HEKLA-SOCKET-K

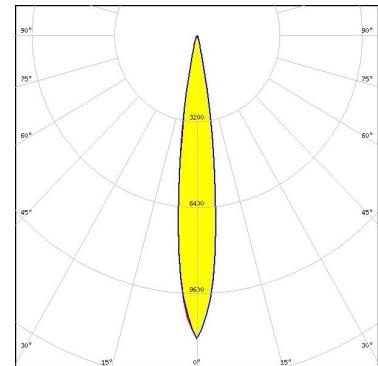


PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED	CLU712
FWHM / FWTM	14.0° / 26.0°
Efficiency	87 %
Peak intensity	11.3 cd/lm
LEDs/each optic	1
Light colour	White

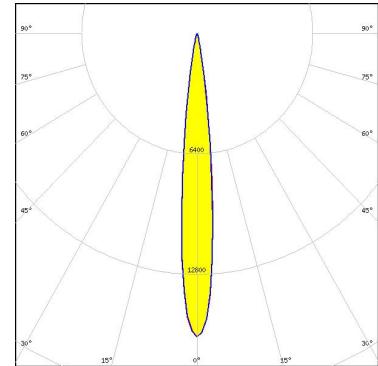
Required components:
F17438_HEKLA-G2-I



CREE LED

LED	CMA1306
FWHM / FWTM	12.0° / 22.0°
Efficiency	88 %
Peak intensity	16.1 cd/lm
LEDs/each optic	1
Light colour	White

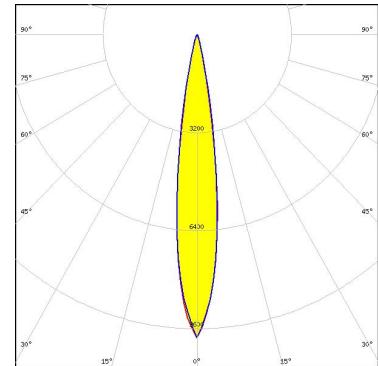
Required components:
F17435_HEKLA-G2-C



CREE LED

LED	CMU10xx
FWHM / FWTM	16.0° / 28.0°
Efficiency	88 %
Peak intensity	9.9 cd/lm
LEDs/each optic	1
Light colour	White

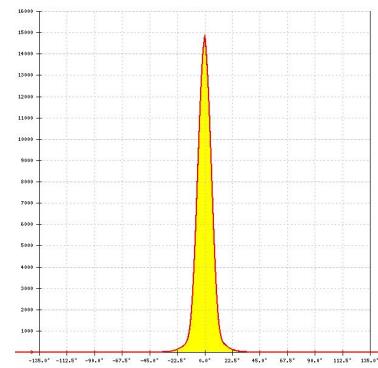
Required components:
F17435_HEKLA-G2-C



CREE LED

LED	CXA/B 13xx
FWHM / FWTM	12.0° / 22.0°
Efficiency	88 %
Peak intensity	14.9 cd/lm
LEDs/each optic	1
Light colour	White

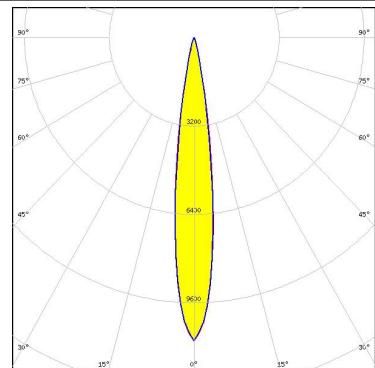
Required components:
F17439_HEKLA-G2-J



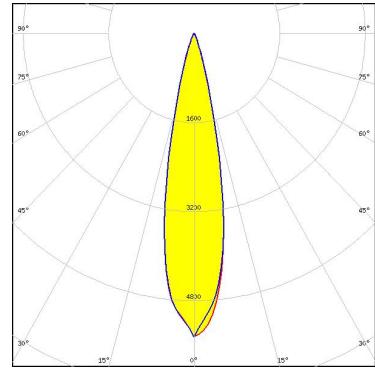
PHOTOMETRIC DATA (SIMULATED):



LED	CXA/B 15xx
FWHM / FWTM	14.0° / 26.0°
Efficiency	87 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17436_HEKLA-G2-D

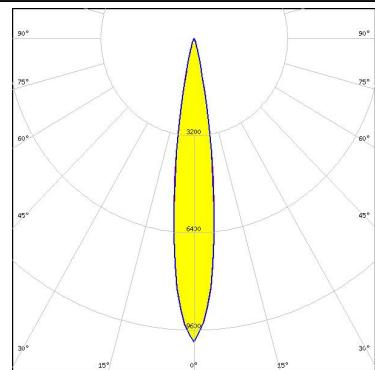


LED	CXA/B 1830
FWHM / FWTM	22.0° / 36.0°
Efficiency	87 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	Bender Wirth: 637b Hekla



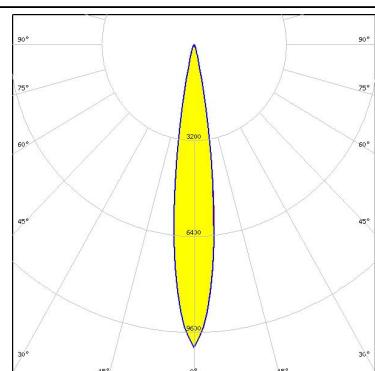
PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	16.0° / 28.0°
Efficiency	88 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17435_HEKLA-G2-C



PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	16.0° / 28.0°
Efficiency	87 %
Peak intensity	10.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	Bender Wirth: 632a Hekla XL



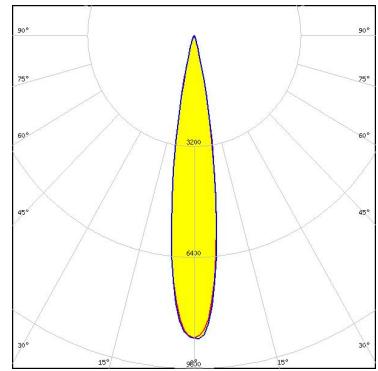
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	16.0° / 28.0°
Efficiency	87 %
Peak intensity	8.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F17435_HEKLA-G2-C

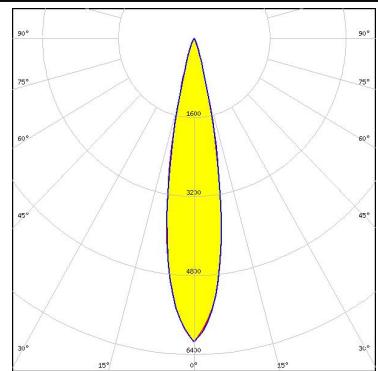


TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	20.0° / 34.0°
Efficiency	87 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F17438_HEKLA-G2-I



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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