

HEIDI-M

~25° medium beam

SPECIFICATION:

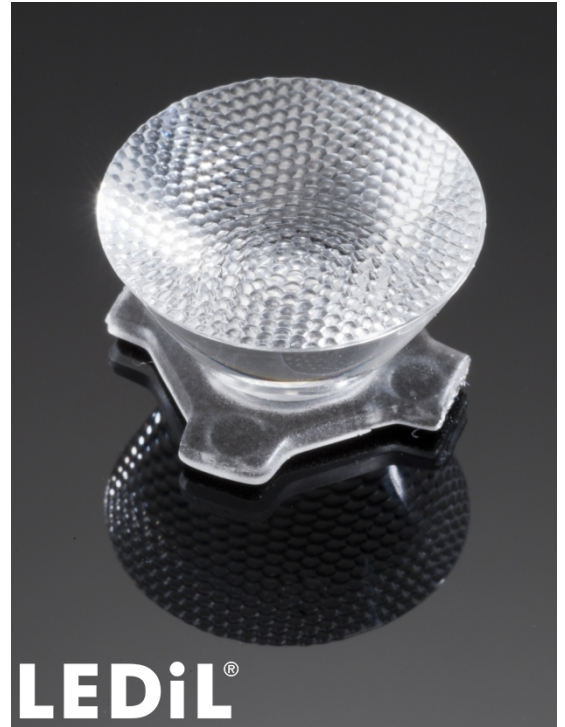
Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

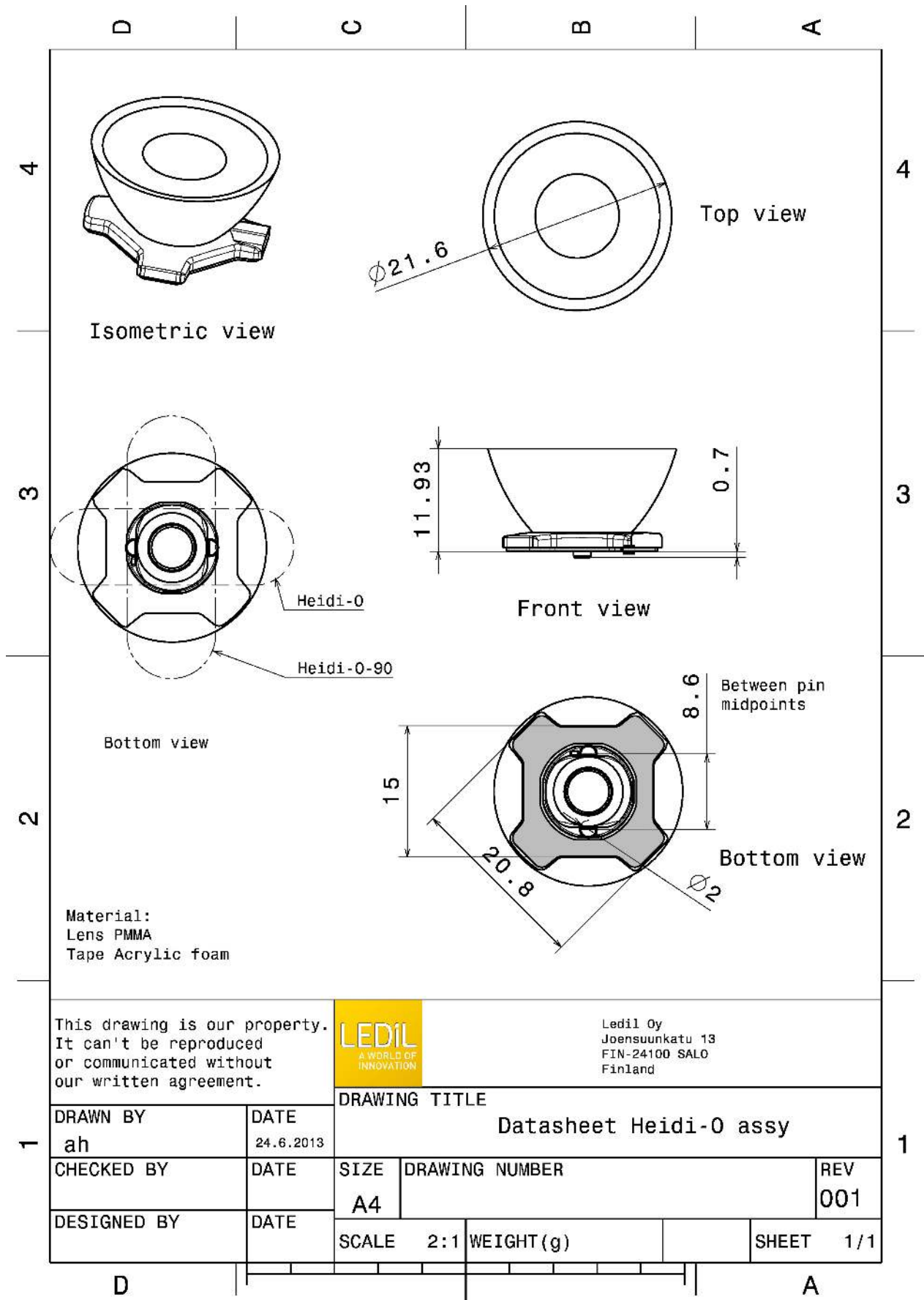
MATERIALS:

Component	Type	Material	Colour	Finish
HEIDI-M	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA11265_HEIDI-M	Single lens	3264	204	204	10.8
» Box size: 480 x 280 x 300 mm					





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

OPTICAL RESULTS (MEASURED):

CREE → LED

LED XB-D
FWHM / FWTM 29.0°
Efficiency 87 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

LED XB-H
FWHM / FWTM 27.0° / 48.0°
Efficiency 87 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:




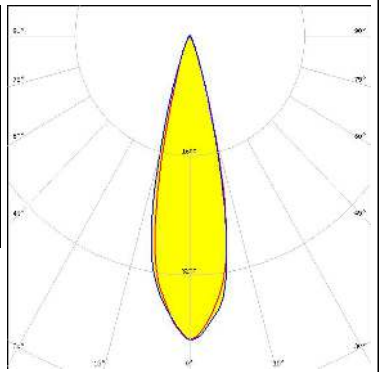
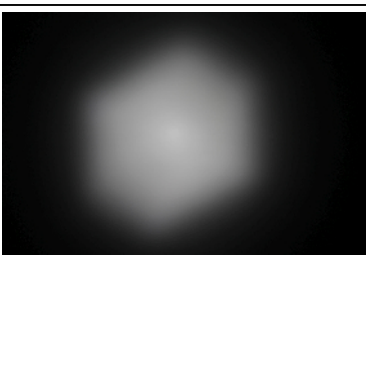
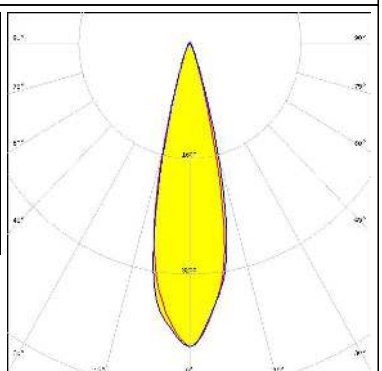

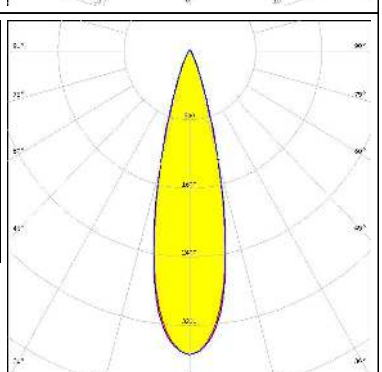
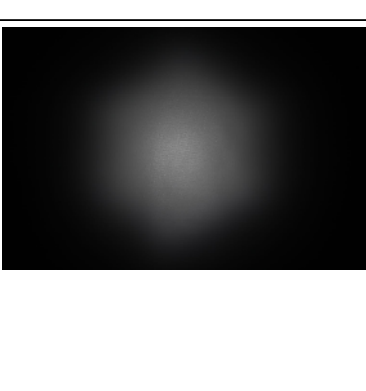
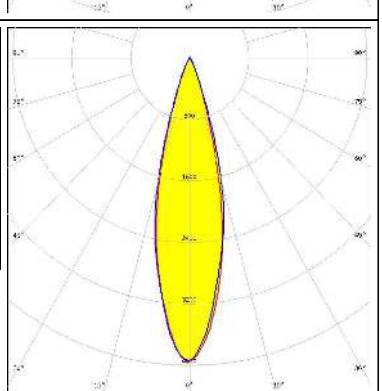
CREE → LED

LED XP-E
FWHM / FWTM 28.0° / 46.0°
Efficiency 92 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

LED XP-G
FWHM / FWTM 28.0° / 46.0°
Efficiency 92 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

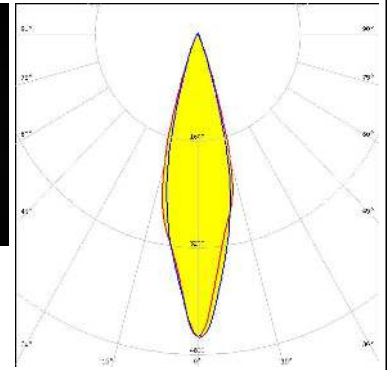
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XQ-E HD FWHM / FWTM 26.0° / 41.0° Efficiency 94 % Peak intensity 4.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XQ-E HI FWHM / FWTM 25.0° / 40.0° Efficiency 94 % Peak intensity 4.2 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XT-E FWHM / FWTM 27.0° / 46.0° Efficiency 94 % Peak intensity 3.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON C FWHM / FWTM 26.0° / 44.0° Efficiency 87 % Peak intensity 4 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

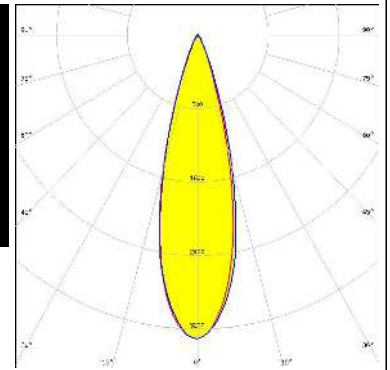
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 26.0° / 42.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



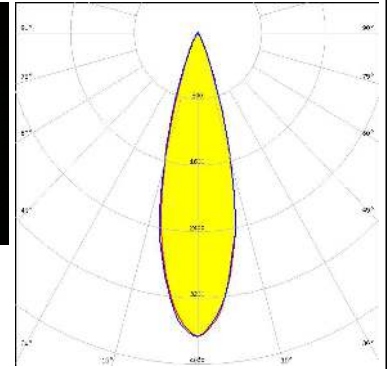
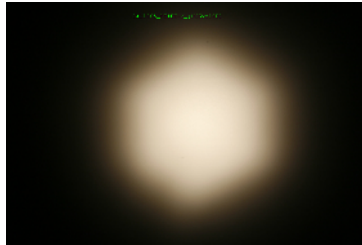
LUMILEDS

LED LUXEON T
 FWHM / FWTM 28.0° / 47.0°
 Efficiency 87 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NCSxx19B
 FWHM / FWTM 29.0° / 47.0°
 Efficiency 88 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NVSxx19A
 FWHM / FWTM 28.0° / 49.0°
 Efficiency 87 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON SSL 150
 FWHM / FWTM 26.0° / 44.0°
 Efficiency 90 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

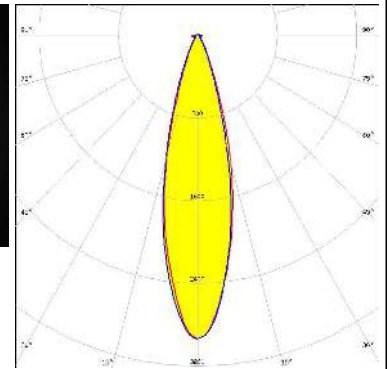
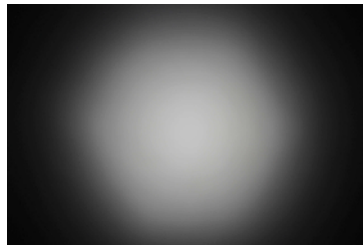
OSRAM

Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 28.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

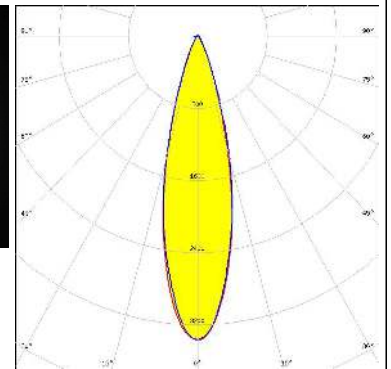
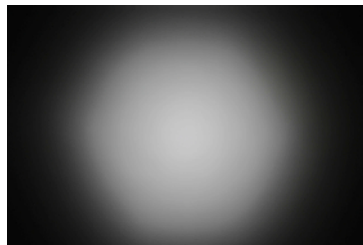
SAMSUNG

LED LH181A
 FWHM / FWTM 27.0° / 49.0°
 Efficiency 88 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:





SAMSUNG


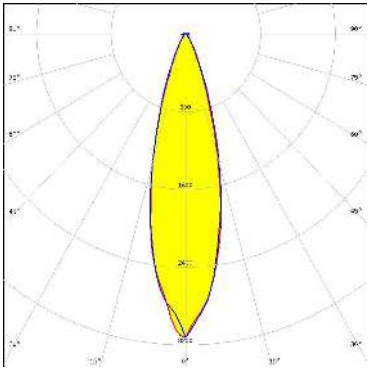

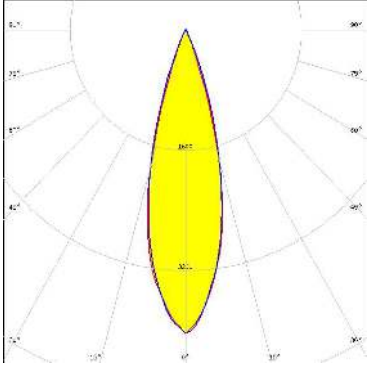

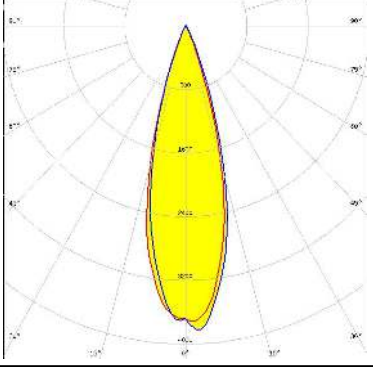

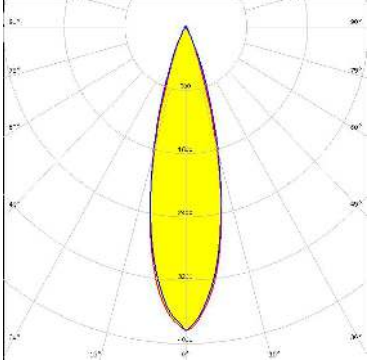
LED LH181B
 FWHM / FWTM 27.0° / 49.0°
 Efficiency 93 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

 SEOUL SEMICONDUCTOR	LED	Z5
	FWHM / FWTM	28.0° / 42.0°
	Efficiency	87 %
	Peak intensity	3.7 cd/lm
	LEDs/each optic	1
	Light colour	White
	Required components:	
 SEOUL SEMICONDUCTOR	LED	Z5M1/Z5M2
	FWHM / FWTM	29.0° / 48.0°
	Efficiency	89 %
	Peak intensity	3.4 cd/lm
	LEDs/each optic	1
	Light colour	White
	Required components:	

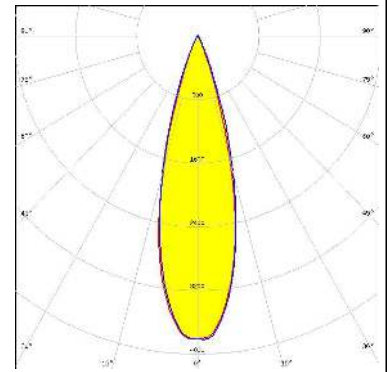
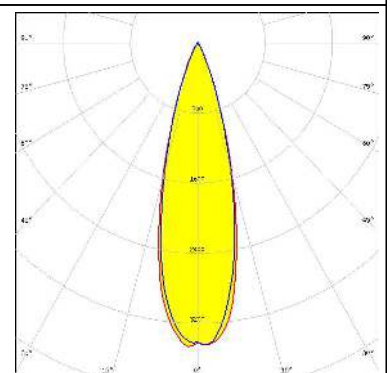
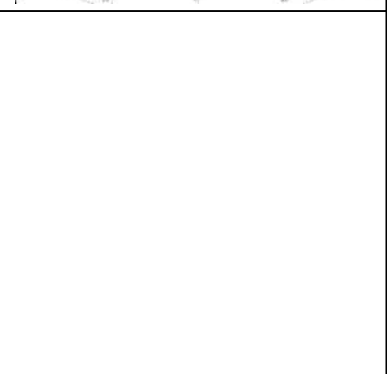
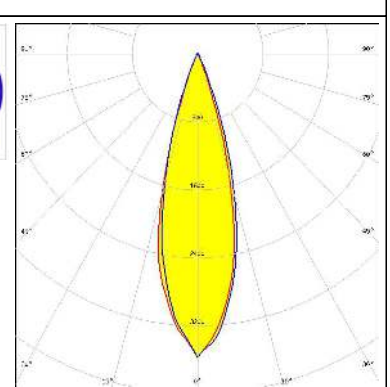
OPTICAL RESULTS (SIMULATED):

	<p>LED XHP35.2 HI FWHM / FWTM 28.0° / 52.0° Efficiency 94 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XP-E2 FWHM / FWTM 28.0° / 46.0° Efficiency 96 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XP-E2 FWHM / FWTM 29.0° / 46.0° Efficiency 96 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour Green Required components:</p>	
	<p>LED LUXEON HL2Z FWHM / FWTM 28.0° / 48.0° Efficiency 96 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON SunPlus 20 Line (150 deg)</p> <p>FWHM / FWTM 28.0° / 45.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Z</p> <p>FWHM / FWTM 28.0° / 44.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 4.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 28.0° / 45.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED NVSxE21A</p> <p>FWHM / FWTM 28.0° / 47.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	<p>LED OSCONIQ P 3030</p> <p>FWHM / FWTM 28.0° / 46.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
OSRAM <small>Opto Semiconductors</small>	<p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 28.0° / 48.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
OSRAM <small>Opto Semiconductors</small>	<p>LED OSLON Square EC</p> <p>FWHM / FWTM 29.0°</p> <p>Efficiency %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
OSRAM <small>Opto Semiconductors</small>	<p>LED SFH 4170S</p> <p>FWHM / FWTM 28.0° / 44.0°</p> <p>Efficiency 88 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	

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:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)