

BARBARA-G2-S

~12° spot beam compatible with LEDiL HEKLA

TECHNICAL SPECIFICATIONS:

Dimensions Ø 70.0 mm Height 41.9 mm Fastening socket **ROHS** compliant yes 🕕

MATERIAL SPECIFICATIONS:

Component **Type** Material BARBARA-G2-S Reflector PC



Colour **Finish** Coating metal

ORDERING INFORMATION:

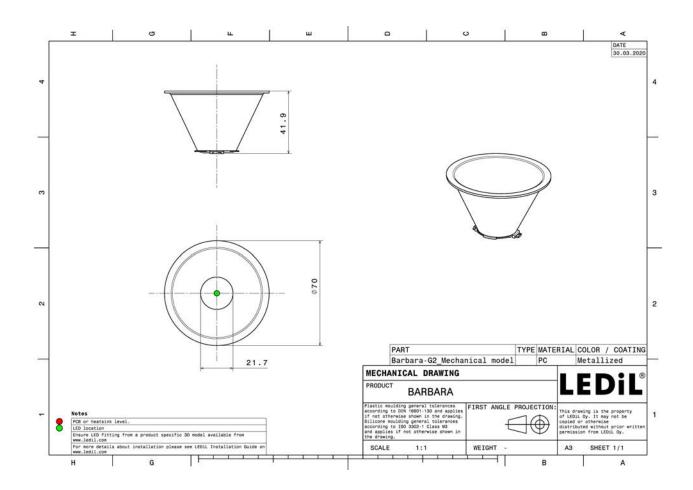
Component

F16363_BARBARA-G2-S

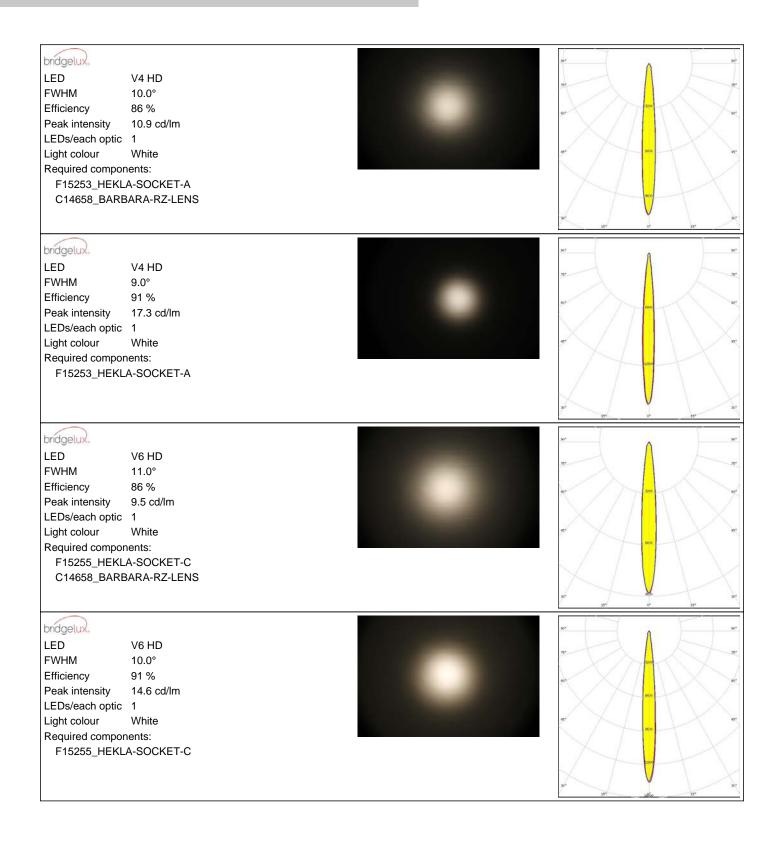
» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg) 252 4.6 90 18



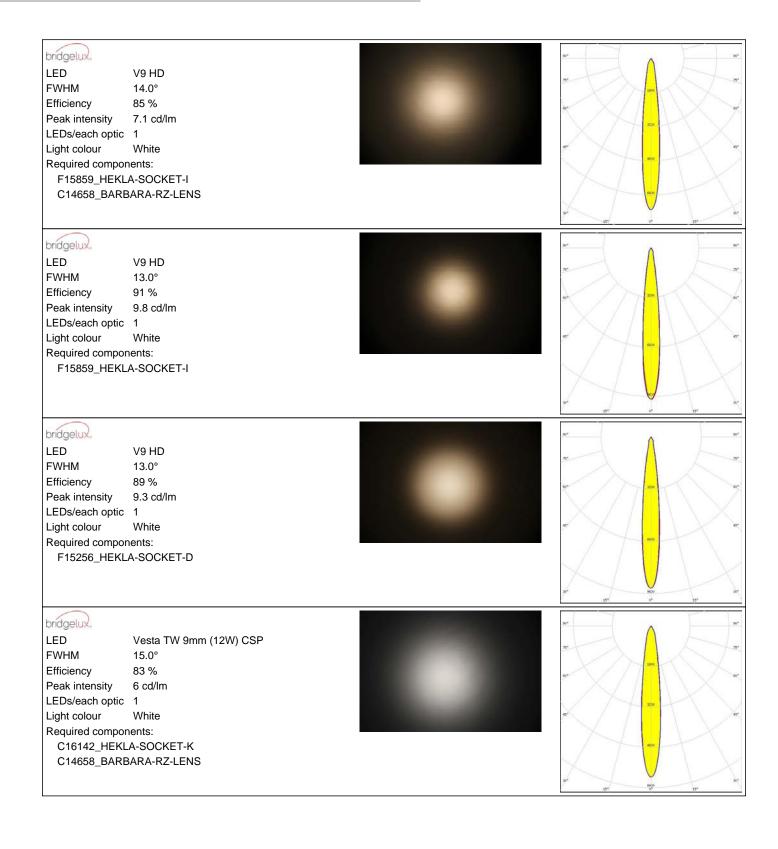


PHOTOMETRIC DATA (MEASURED):





PHOTOMETRIC DATA (MEASURED):





PHOTOMETRIC DATA (MEASURED):

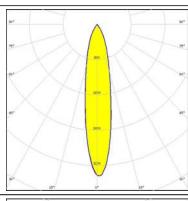
CITIZEN

LED CLC030 Series (Dim-To-Warm)

FWHM 21.0°
Efficiency 81 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 436 Typ L8





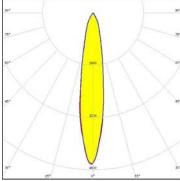
CITIZEN

LED CLC030 Series (Dim-To-Warm)

FWHM 18.0°
Efficiency 86 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 436 Typ L8



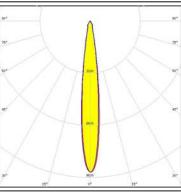


CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 13.0°
Efficiency 91 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



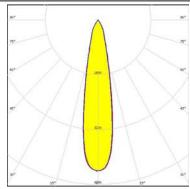


CITIZEN

LED CLL03x/CLU03x

FWHM 21.0°
Efficiency 91 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I





PHOTOMETRIC DATA (MEASURED):

CITIZEN

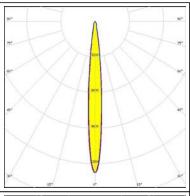
LED CLU700/701/702

FWHM 10.0° Efficiency 90 % Peak intensity 13.6 cd/lm

LEDs/each optic 1 Light colour White Required components:

F15255_HEKLA-SOCKET-C





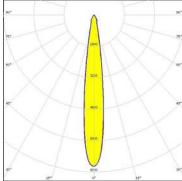
CREE ÷

LED CMT14xx **FWHM** 15.0° 90 % Efficiency Peak intensity 7.7 cd/lm

LEDs/each optic 1 White Light colour Required components:

F15255_HEKLA-SOCKET-C



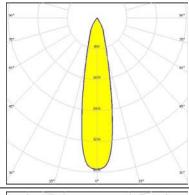


CREE ÷

LED CMT19xx **FWHM** 22.0° Efficiency 90 % Peak intensity 3.9 cd/lm

LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I

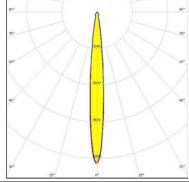




CREE ÷

LED CXA/B 13xx **FWHM** 11.0° Efficiency 91 % Peak intensity 13.1 cd/lm

LEDs/each optic 1 White Light colour Required components: F15956_HEKLA-SOCKET-J



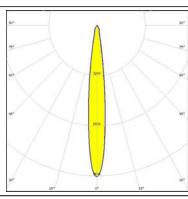


PHOTOMETRIC DATA (MEASURED):

CREE \$

LED CXA/B 15xx
FWHM 13.0°
Efficiency 92 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



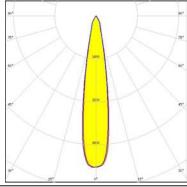


CREE ÷

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM 19.0°
Efficiency 92 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



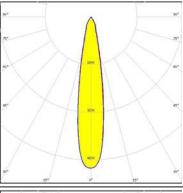


CREE ÷

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM 19.0°
Efficiency 89 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15254_HEKLA-SOCKET-B



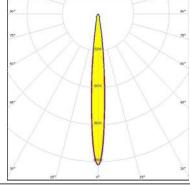


LUMILEDS

LED LUXEON CoB 1202HD

FWHM 10.0°
Efficiency 90 %
Peak intensity 13.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15848_HEKLA-SOCKET-G





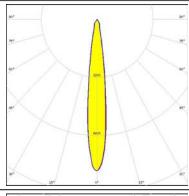
PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1204HD

FWHM 14.0°
Efficiency 90 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H





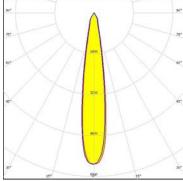
DUMILEDS

LED LUXEON CoB 1205HD

FWHM 17.0°
Efficiency 89 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15858_HEKLA-SOCKET-H



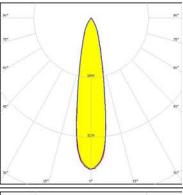


LUMILEDS

LED LUXEON CoB 1208

FWHM 22.0°
Efficiency 88 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 632a Hekla XL





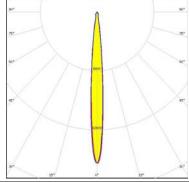
LUMILEDS

LED LUXEON CX Plus CoB - HD S01H4

FWHM 9.0°
Efficiency 89 %
Peak intensity 16.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Bender Wirth: 634c Hekla







PHOTOMETRIC DATA (MEASURED):

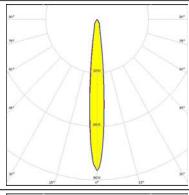


LED LUXEON CX Plus CoB - HD S01H4

FWHM 11.0°
Efficiency 83 %
Peak intensity 9.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla





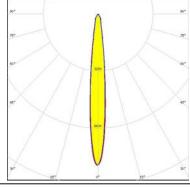
DIVIDITION

LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6

FWHM 12.0°
Efficiency 83 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla





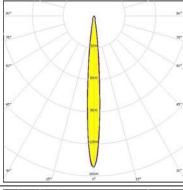
LUMILEDS

LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6

FWHM 10.0°
Efficiency 89 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour White

Required components: Bender Wirth: 634c Hekla





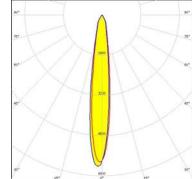
LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9

FWHM 15.0°
Efficiency 83 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla







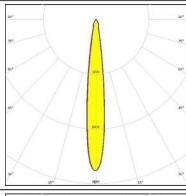
PHOTOMETRIC DATA (MEASURED):



LED LUXEON CX Plus CoB - HD S04H9

FWHM 13.0° Efficiency 89 % Peak intensity 8.9 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 634c Hekla





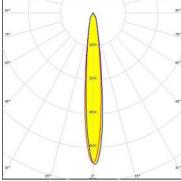
LUMILEDS

LED LUXEON Fusion 21-up (20x24)

FWHM 13.0° 82 % Efficiency Peak intensity 7.2 cd/lm LEDs/each optic 21 Light colour White Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 442 Typ L8



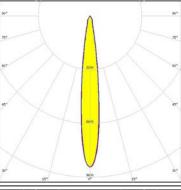


PHI

LED Fortimo SLM L09 CoB

FWHM 14.0° Efficiency 91 % Peak intensity 9 cd/lm LEDs/each optic 1 Light colour White Required components: F15858_HEKLA-SOCKET-H



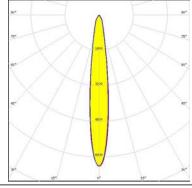


LED Fortimo SLM L09 CoB

FWHM 14.0° Efficiency 87 % Peak intensity 6.8 cd/lm LEDs/each optic 1 White Light colour Required components: F15858_HEKLA-SOCKET-H

C14658_BARBARA-RZ-LENS







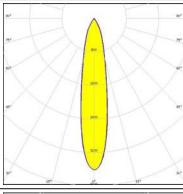
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo SLM L13 CoB

FWHM 20.0°
Efficiency 82 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
C14658_BARBARA-RZ-LENS
Bender Wirth: 432 Typ L8



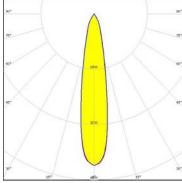


PHILIPS

LED Fortimo SLM L13 CoB

FWHM 20.0°
Efficiency 87 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 432 Typ L8





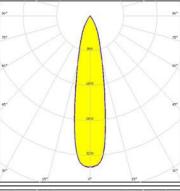
PHILIPS

LED Fortimo SLM L15 CoB

FWHM 23.0°
Efficiency 86 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K

Bender Wirth: 432 Typ L8





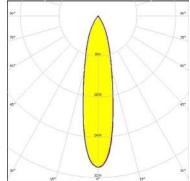
PHILIPS

LED Fortimo SLM L15 CoB

FWHM 23.0°
Efficiency 81 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 432 Typ L8







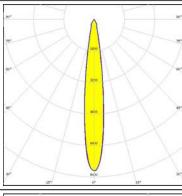
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM 15.0°
Efficiency 90 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C





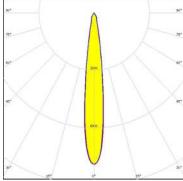
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM 14.0°
Efficiency 90 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





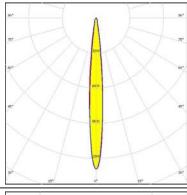
SAMSUNG

LED LC010C G2
FWHM 10.0°
Efficiency 90 %
Peak intensity 13.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C





SAMSUNG

LED LC020T (Tunable white)

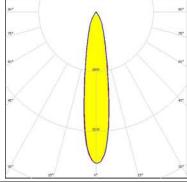
FWHM 19.0° Efficiency 82 % Peak intensity 4.1 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 501 Typ L8







PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC020T (Tunable white)

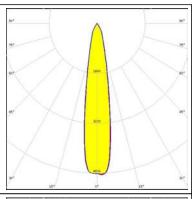
FWHM 19.0° Efficiency 87 % Peak intensity 4.9 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8





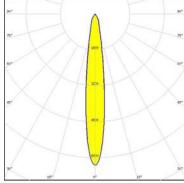
TRIDONIC

LED SLE G7 LES09

FWHM 14.0°
Efficiency 88 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS



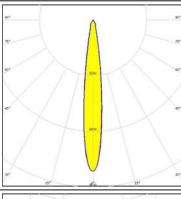


TRIDONIC

LED SLE G7 LES09

FWHM 14.0°
Efficiency 92 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C





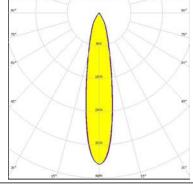
TRIDONIC

LED SLE G7 LES13

FWHM 20.0°
Efficiency 82 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I

C14658_BARBARA-RZ-LENS







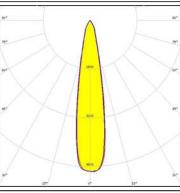
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED SLE G7 LES13

FWHM 20.0°
Efficiency 92 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



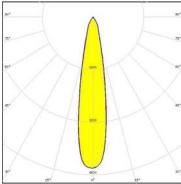


TRIDONIC

LED SLE G7 LES13

FWHM 20.0°
Efficiency 5 %
Peak intensity 89 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



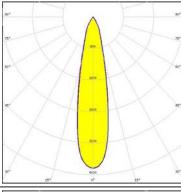


TRIDONIC

LED SLE G7 LES15

FWHM 23.0°
Efficiency 89 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



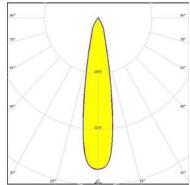


XICATO

LED XOB 14.5 mm

FWHM 21.0°
Efficiency 91 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I





PHOTOMETRIC DATA (MEASURED):

XICATO LED XOB 6 mm **FWHM** 11.0° 85 % Efficiency Peak intensity 9.5 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS **XICATO** LED XOB 6 mm **FWHM** 9.0° 89 % Efficiency Peak intensity 16 cd/lm LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C **XICATO** LED XOB 9.8 mm **FWHM** 14.0° Efficiency 86 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS **XICATO XOB 9.8 mm FWHM** 13.0° Efficiency 90 % 9.4 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C



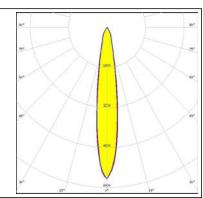
PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED Vesta DTW 15mm (33W)

FWHM 16.0° 86 % Efficiency Peak intensity 6.1 cd/lm LEDs/each optic Light colour White Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8

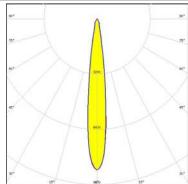


CREE

LED CMT14xx **FWHM** 13.0° 84 % Efficiency Peak intensity 8.8 cd/lm LEDs/each optic 1

White Light colour Required components:

F15255_HEKLA-SOCKET-C

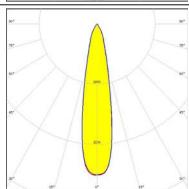


LUMILEDS

LED LUXEON CoB 1208

FWHM 21.0° Efficiency 86 % Peak intensity 4.1 cd/lm LEDs/each optic Light colour White Required components:

C16142_HEKLA-SOCKET-K



WNICHIA

LED COB L-Type (LES 11)

FWHM 18.0° Efficiency 89 % 5.7 cd/lm Peak intensity LEDs/each optic White Light colour Required components: F15858_HEKLA-SOCKET-H



PHOTOMETRIC DATA (SIMULATED):

WNICHIA

LED COB L-Type (LES 9)

FWHM 14.0°
Efficiency 89 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15858_HEKLA-SOCKET-H



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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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.

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LEDIL OV

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Shipping locations

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Distribution Partners

www.ledil.com/ where_to_buy

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