

#### **ILONA-SS**

~14° smooth spot beam

#### **SPECIFICATION:**

Ø 49.8 mm **Dimensions** Height 29.3 mm socket Fastening **ROHS** compliant yes 🕕



#### **MATERIALS:**

Component Type Material Colour **Finish ILONA-SS** Single lens **PMMA** clear

#### **ORDERING INFORMATION:**

Component

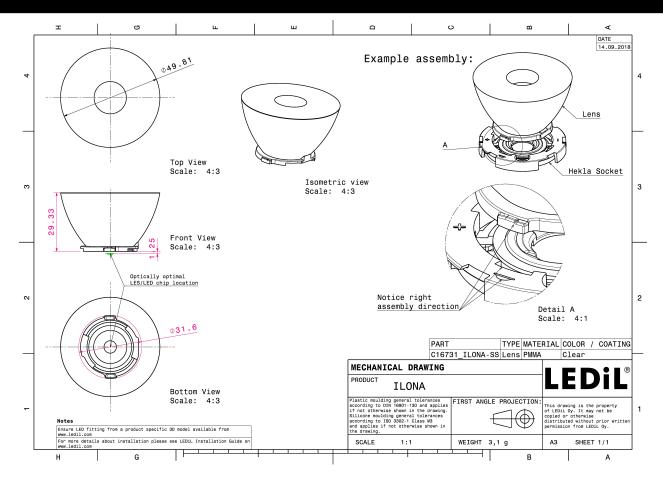
C16731\_ILONA-SS

» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
264	99	33	9.7

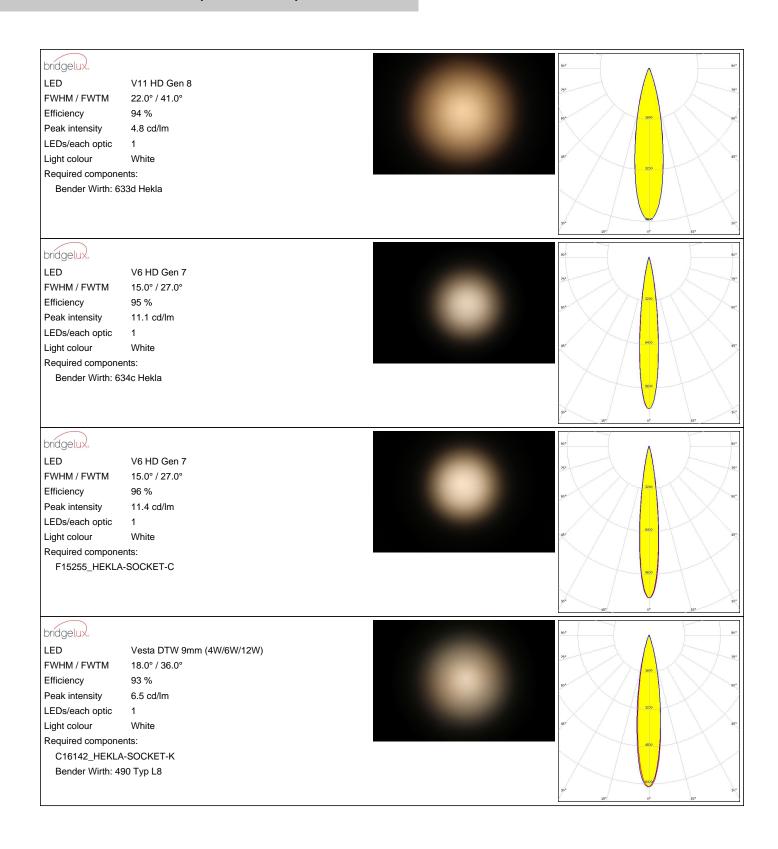


# PRODUCT DATASHEET C16731\_ILONA-SS



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









LED Vesta TW 6mm DP
FWHM / FWTM 14.0° / 28.0°

Efficiency 91 %
Peak intensity 10.3 cd/lm

LEDs/each optic 1

Light colour White

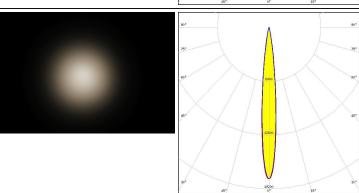
Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8

## **CITIZEN**

LED CLU7A2/7A3
FWHM / FWTM 11.0° / 21.0°
Efficiency 94 %
Peak intensity 18 cd/lm
LEDs/each optic 1
Light colour White
Required components:

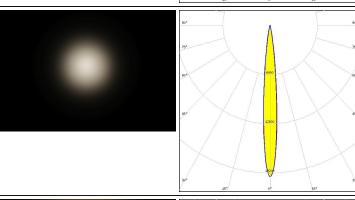
F15255\_HEKLA-SOCKET-C



## **CITIZEN**

LED CLU7B2
FWHM / FWTM 10.0° / 20.0°
Efficiency 94 %
Peak intensity 19.7 cd/lm
LEDs/each optic 1

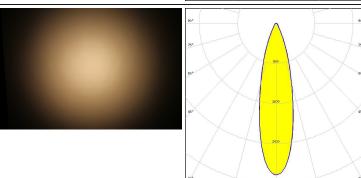
Light colour White
Required components:
F15255\_HEKLA-SOCKET-C



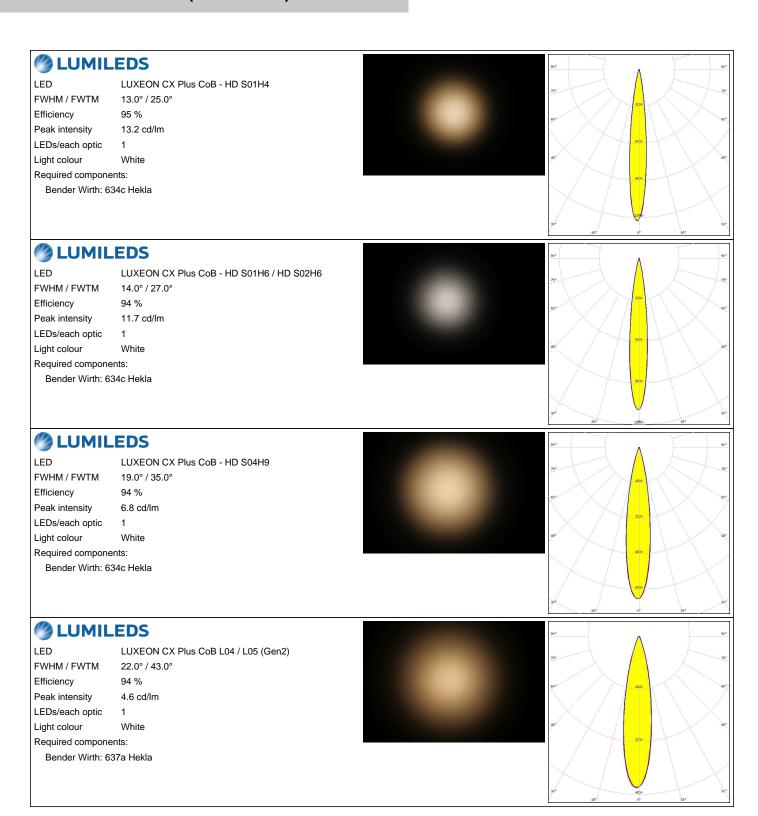
#### **DESCRIPTION** LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)

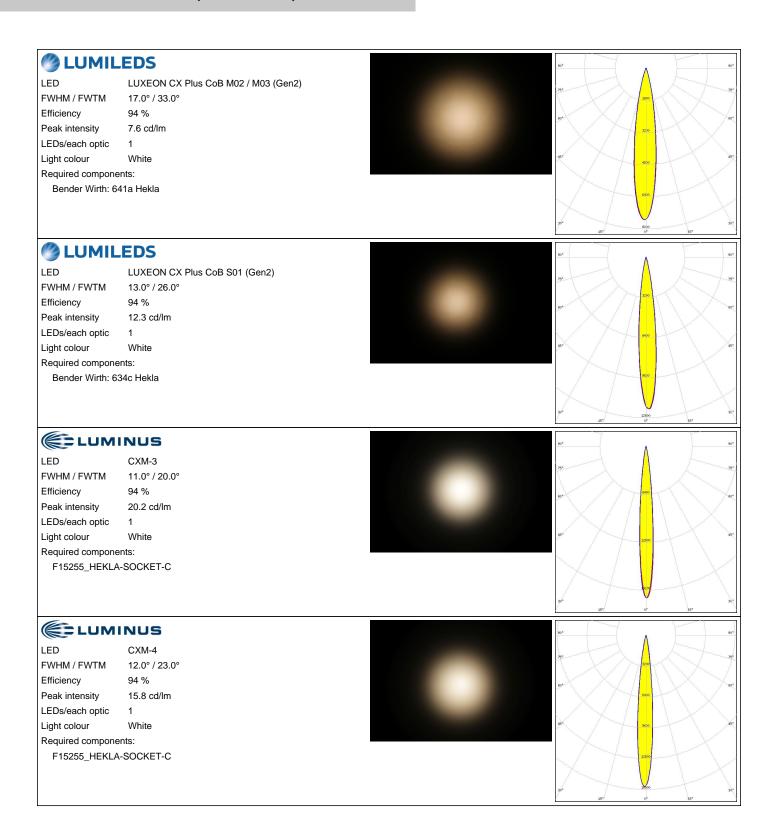
FWHM / FWTM 26.0° / 52.0°
Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 637a Hekla













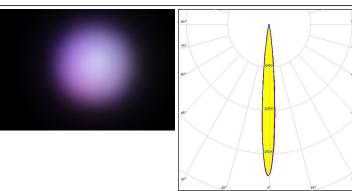
#### **OSRAM**

LED OSTAR Stage (S2WN)

FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 22.9 cd/lm
LEDs/each optic 1
Light colour White

F15859\_HEKLA-SOCKET-I

Required components:



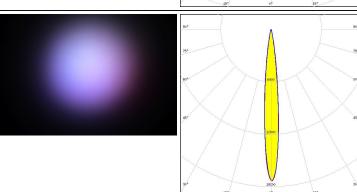
#### **OSRAM**

Opto Semiconductors

LED OSTAR Stage (S2WP)

FWHM / FWTM 11.0° / 21.0°
Efficiency 94 %
Peak intensity 18.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859\_HEKLA-SOCKET-I



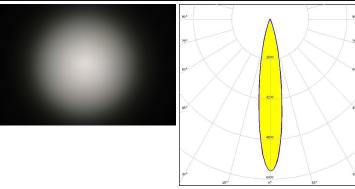
# SAMSUNG

LED LC010T (Tunable White)

FWHM / FWTM 18.0° / 37.0° Efficiency 94 % Peak intensity 6.1 cd/lm LEDs/each optic 1

Light colour Tunable White

Required components: C16142\_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8

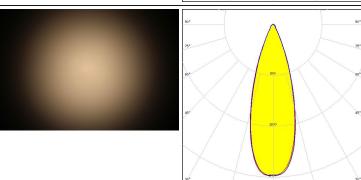


#### SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5

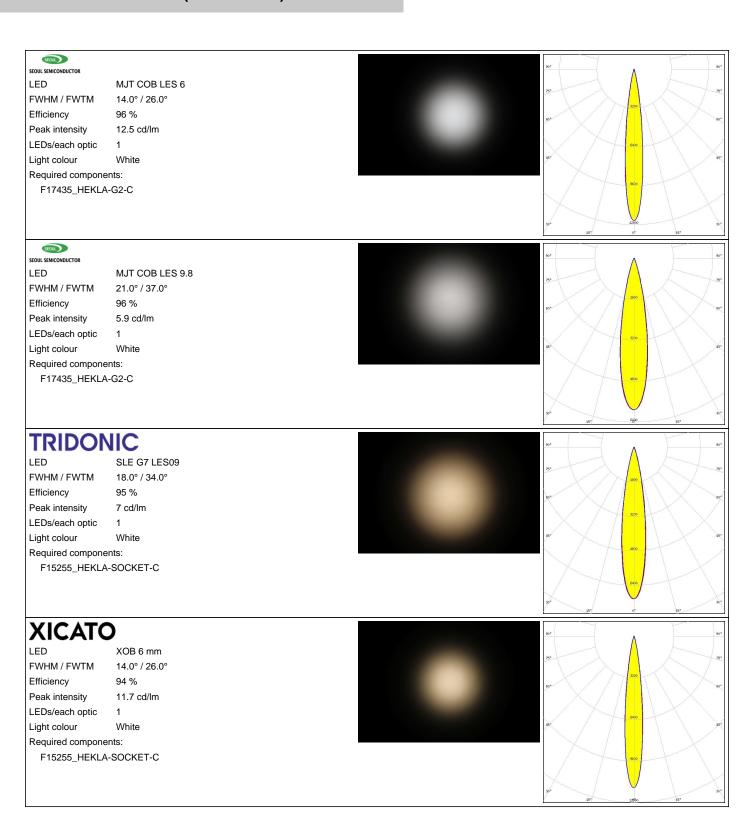
FWHM / FWTM 33.0° / 57.0°
Efficiency 95 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17438\_HEKLA-G2-I



7/18







# LED XOB 9.8 mm FWHM / FWTM 19.0° / 35.0° Efficiency 94 % Peak intensity 6.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255\_HEKLA-SOCKET-C





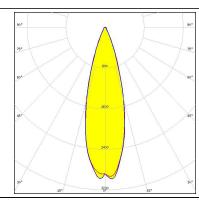
LED V13 Gen 8 FWHM / FWTM 30.0° / 52.0°

Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1

Light colour White

Required components:

F15859\_HEKLA-SOCKET-I



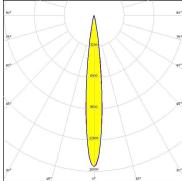
#### bridgelux.

LED V4 HD Gen 7 FWHM / FWTM 12.0° / 23.0°

Efficiency 91 %
Peak intensity 15.6 cd/lm

LEDs/each optic 1
Light colour White

Required components: F15253\_HEKLA-SOCKET-A



#### bridgelux

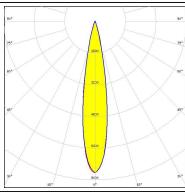
LED V9 HD Gen7 FWHM / FWTM 18.0° / 32.0°

Efficiency 94 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1

Light colour White

Required components:

F15859\_HEKLA-SOCKET-I



#### bridgelux.

LED Vero SE 10 FWHM / FWTM 18.0° / 36.0°

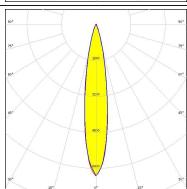
Efficiency 94 %

Peak intensity 6.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:





bridgelux

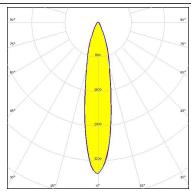
LED Vero SE 13  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 20.0° / 50.0° Efficiency 91 %

Peak intensity 3.5 cd/lm LEDs/each optic

Light colour White

Required components:

C16142\_HEKLA-SOCKET-K

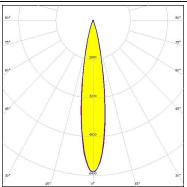


bridgelux

LED Vesta TW 9mm (9W) DP

FWHM / FWTM 18.0° / 35.0° Efficiency 86 % Peak intensity 6.3 cd/lm LEDs/each optic 1 White Light colour

Required components: C16142\_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8



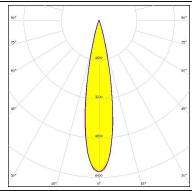
**CITIZEN** 

LED CLL02x/CLU02x (LES10)

FWHM / FWTM 21.0° / 35.0° Efficiency 87 % Peak intensity 6.2 cd/lm LEDs/each optic Light colour White

Required components:

F15255\_HEKLA-SOCKET-C



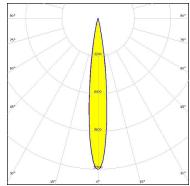
**CITIZEN** 

CLU700/701/702/703

FWHM / FWTM 14.0° / 25.0° Efficiency 91 % Peak intensity 12.9 cd/lm LEDs/each optic

White Light colour Required components:

F15255\_HEKLA-SOCKET-C





# **CITIZEN**

LED CLU712/713

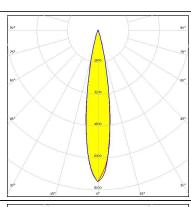
FWHM / FWTM 18.0° / 33.0°

Efficiency 95 %

Peak intensity 7.6 cd/lm

LEDs/each optic 1
Light colour White

Required components: F17438\_HEKLA-G2-I



#### CREE - LED

LED CHA0304

FWHM / FWTM 11.0° / 22.0°

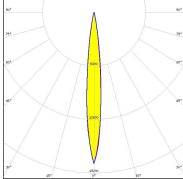
Efficiency 95 %

Peak intensity 18.1 cd/lm LEDs/each optic 1

Light colour Whi

Required components: F17435\_HEKLA-G2-C

White



#### CREE + LED

LED CHA0410

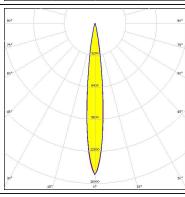
FWHM / FWTM 12.0° / 24.0°

Efficiency 95 %

Peak intensity 15.1 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White

Required components: F17435\_HEKLA-G2-C



#### CREE - LED

LED CMA1303

FWHM / FWTM 12.0° / 24.0°

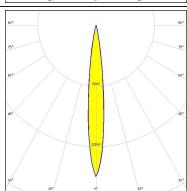
Efficiency 96 %
Peak intensity 16 cd/lm

LEDs/each optic 1

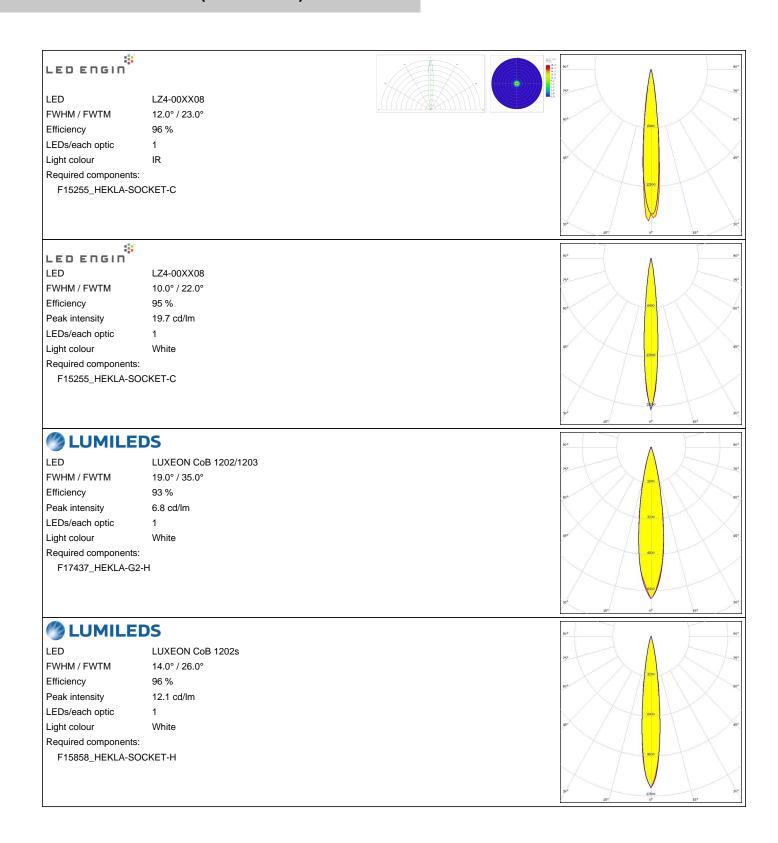
Light colour White

Required components:

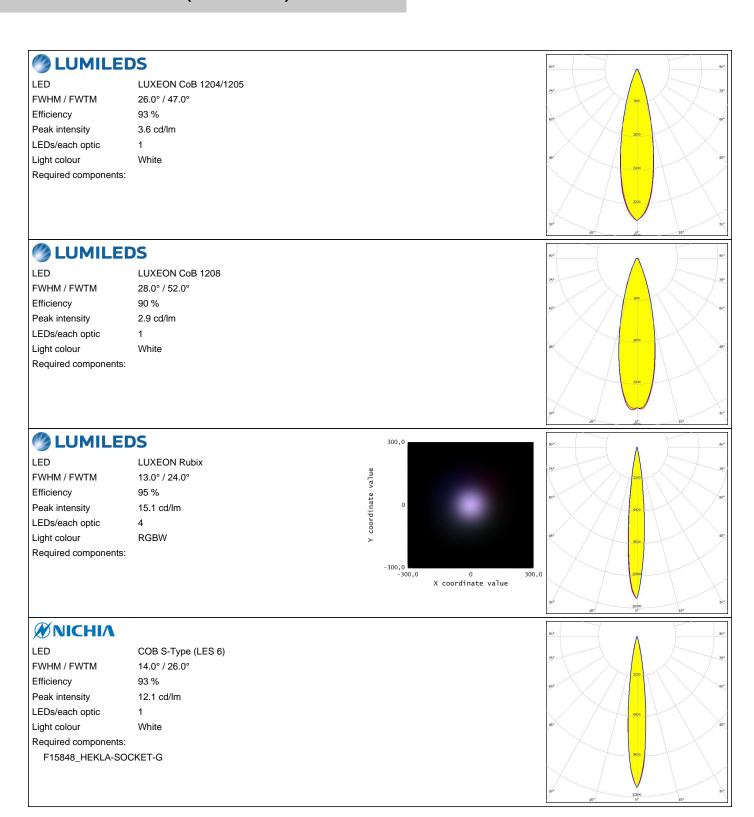
F17439\_HEKLA-G2-J













#### **WNICHIA**

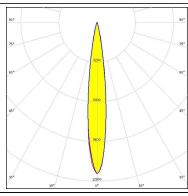
LED COB S-Type (LES 6)

FWHM / FWTM 14.0° / 26.0° Efficiency 93 % Peak intensity 12.2 cd/lm

LEDs/each optic Light colour White

Required components:

F15848\_HEKLA-SOCKET-G



#### **WNICHIA**

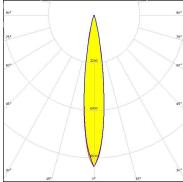
LED COB S-Type (LES 7)

FWHM / FWTM 16.0° / 30.0° Efficiency 95 % Peak intensity 10.2 cd/lm

LEDs/each optic 1 White Light colour

Required components:

F15848\_HEKLA-SOCKET-G



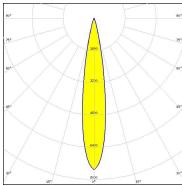
#### **WNICHIA**

LED NFSWE11A

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 18.0° / 32.0° Efficiency 88 % Peak intensity 7.5 cd/lm LEDs/each optic 30 Light colour White

Required components:

C16142\_HEKLA-SOCKET-K



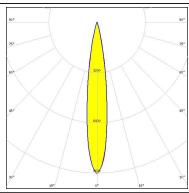
#### **WNICHIA**

LED NJCWL024Z-V1MT: COB L-Type Tunable White

FWHM / FWTM 16.0° / 30.0° Efficiency 94 % Peak intensity 9.7 cd/lm LEDs/each optic White Light colour

C16142\_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8

Required components:



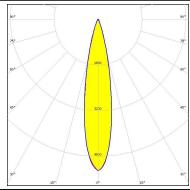


#### **WNICHIA**

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM / FWTM 20.0° / 40.0° Efficiency 93 % Peak intensity 5.3 cd/lm LEDs/each optic Light colour White

C16142\_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8

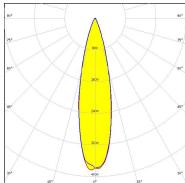


Required components:

LED Fortimo SLM L13 CoB

FWHM / FWTM 24.0° / 46.0° Efficiency 93 % Peak intensity 3.9 cd/lm LEDs/each optic 1 White Light colour Required components:

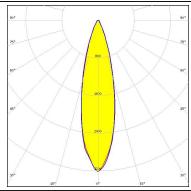
Bender Wirth: 632a Hekla XL



Fortimo SLM L15 CoB

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 26.0° / 51.0° Efficiency 92 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour White

Required components: Bender Wirth: 632a Hekla XL

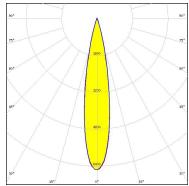


# **SAMSUNG**

LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 19.0° / 34.0° Efficiency 87 % Peak intensity 6.6 cd/lm LEDs/each optic White Light colour Required components:

F15255\_HEKLA-SOCKET-C





# **SAMSUNG**

LED LC020C

FWHM / FWTM 14.0° / 28.0°

Efficiency 94 %

11.4 cd/lm

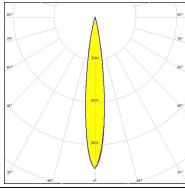
LEDs/each optic

Peak intensity

.

Light colour White

Required components: F17438\_HEKLA-G2-I



## **SAMSUNG**

LED LC020T (Tunable white)

FWHM / FWTM 22.0° / 42.0°

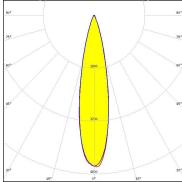
Efficiency 92 %
Peak intensity 4.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16142\_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



# **XICATO**

LED XTM - 9mm LES

FWHM / FWTM 18.0° / 34.0°

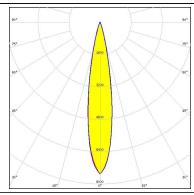
Efficiency 94 %

Peak intensity 7.5 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White

Required components:

C15743\_XTM-ADAPTER-50-B





# PRODUCT DATASHEET C16731\_ILONA-SS

#### **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**

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

#### **Shipping locations**

Salo, Finland Hong Kong, China

#### **Distribution Partners**

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