

#### **CARMEN-50-RS-C**

~12° spot beam. Assembly with holder C compatible with LEDiL HEKLA.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 50.0 mm
Height	25.5 mm
Fastening	socket
ROHS compliant	yes 🕕



#### **MATERIAL SPECIFICATIONS:**

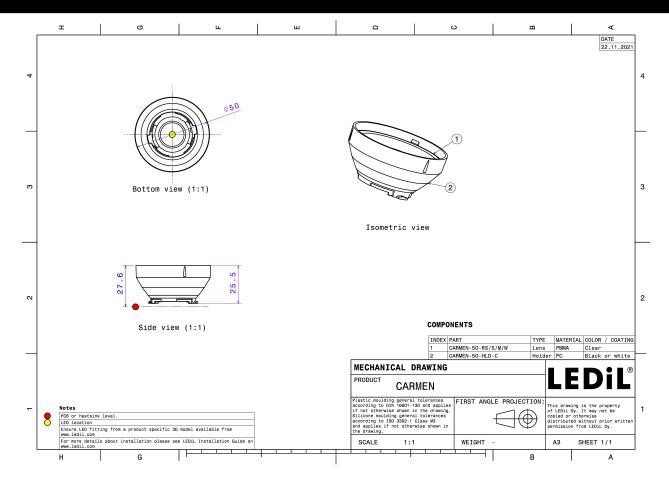
Component	Type	Material	Colour	Finish
CARMEN-50-RS	Single lens	PMMA	clear	
CARMEN-50-HLD-C	Holder	PC	black	

#### **ORDERING INFORMATION:**

» Box size: 476 x 273 x 292 mm

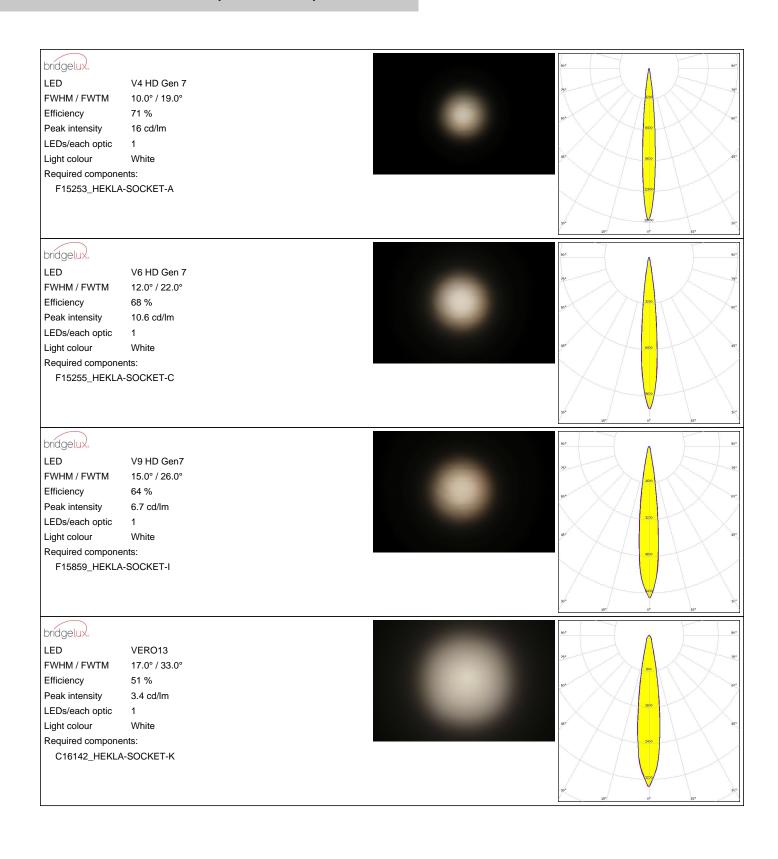
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16106_CARMEN-50-RS-C	Single lens	308	112	28	7.2



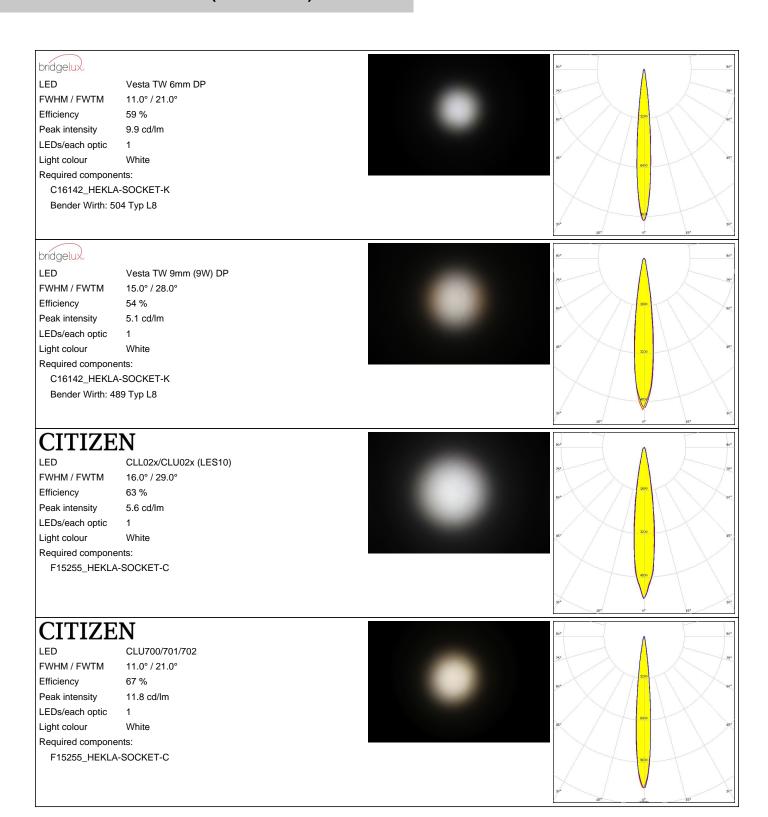


See also our general installation guide: www.ledil.com/installation\_guide





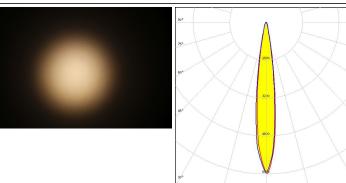






# **CITIZEN**

LED CLU710/711
FWHM / FWTM 14.0° / 27.0°
Efficiency 62 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859\_HEKLA-SOCKET-I

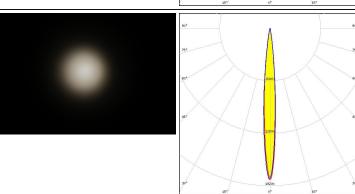


## **CITIZEN**

LED CLU7A2 (LES 4.2mm)

FWHM / FWTM 9.0° / 18.0°
Efficiency 72 %
Peak intensity 18.5 cd/lm
LEDs/each optic 1
Light colour White

F15255\_HEKLA-SOCKET-C

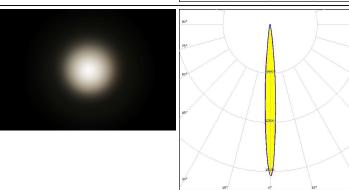


## **CITIZEN**

Required components:

LED CLU7B2
FWHM / FWTM 8.0° / 17.0°
Efficiency 71 %
Peak intensity 20 cd/lm
LEDs/each optic 1
Light colour White
Required components:

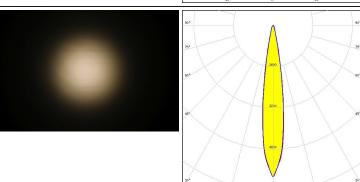
F15255\_HEKLA-SOCKET-C



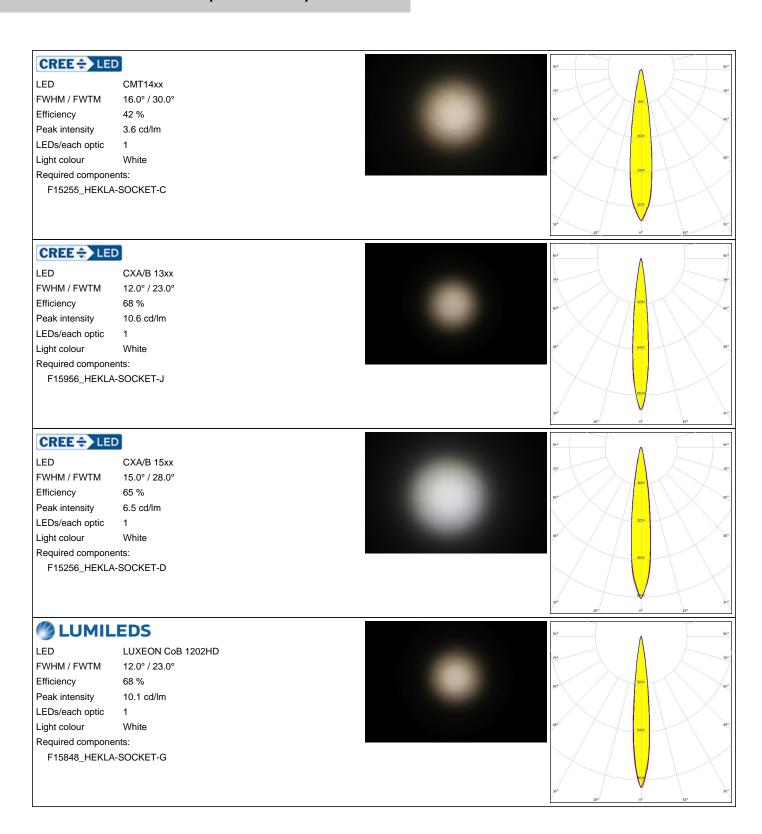
#### CREE - LED

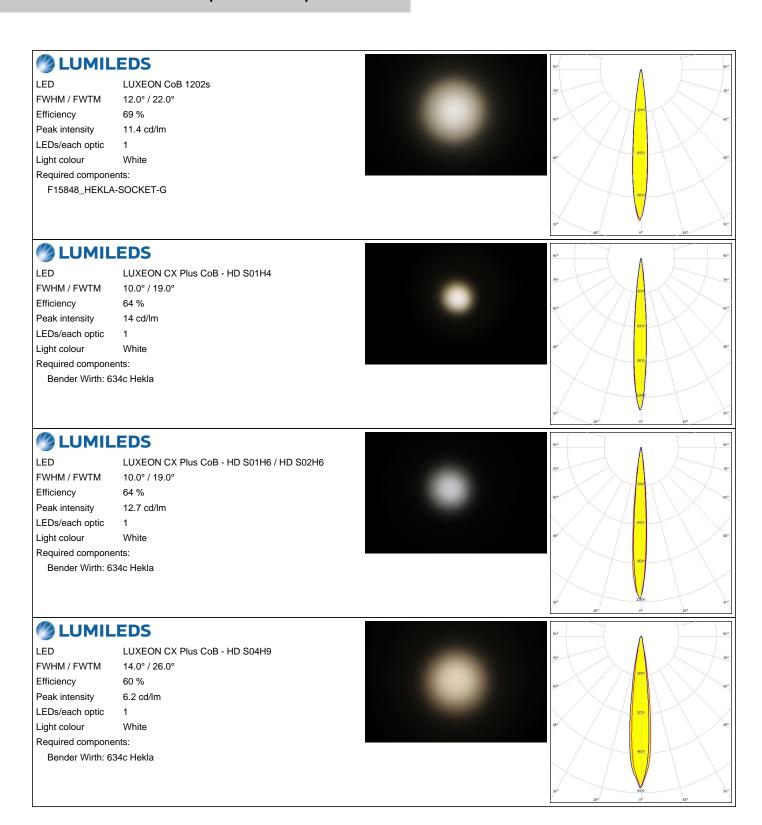
LED CMA1516
FWHM / FWTM 16.0° / 29.0°
Efficiency 65 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

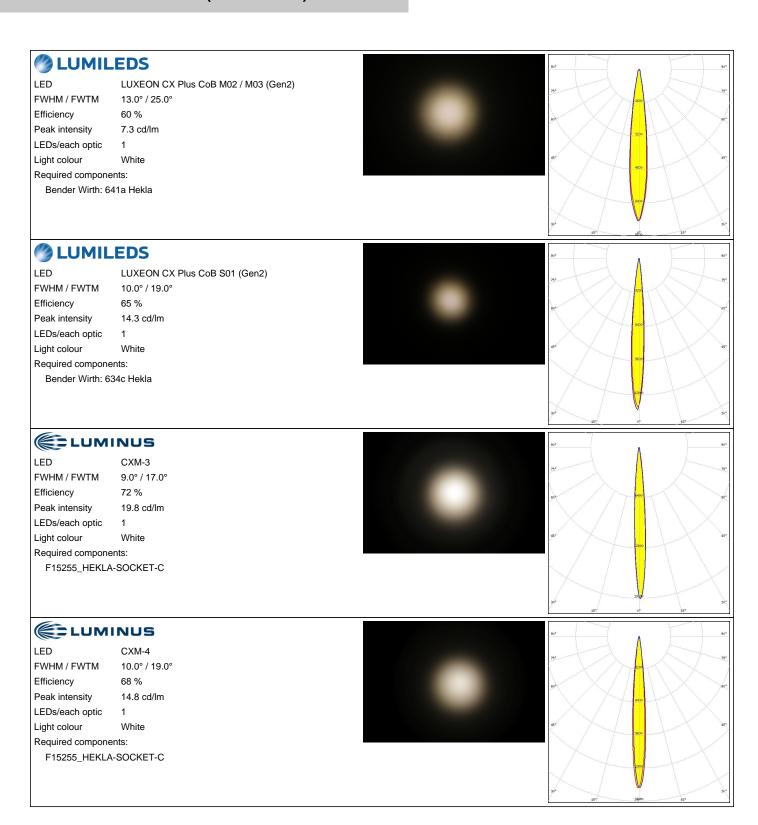
F15256\_HEKLA-SOCKET-D













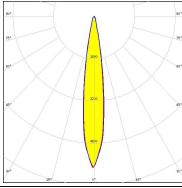


LED CxM-9 (13.5x13.5)
FWHM / FWTM 15.0° / 29.0°
Efficiency 63 %

Peak intensity 5.8 cd/lm LEDs/each optic 1 Light colour White

F15255\_HEKLA-SOCKET-C





## **WNICHIA**

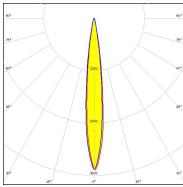
Required components:

LED COB S-Type (LES 7)

FWHM / FWTM 13.0° / 24.0°
Efficiency 67 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White

F15848\_HEKLA-SOCKET-G





## **PHILIPS**

Required components:

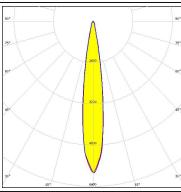
Required components:

LED Fortimo SLM L09 CoB

FWHM / FWTM 15.0° / 28.0°
Efficiency 64 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White

F15858\_HEKLA-SOCKET-H





# **SAMSUNG**

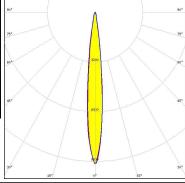
LED LC010C

FWHM / FWTM 11.0° / 22.0°
Efficiency 64 %
Peak intensity 9.8 cd/lm
LEDs/each optic 1
Light colour White

F15848\_HEKLA-SOCKET-G

Required components:





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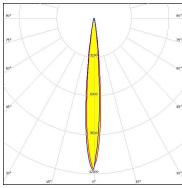
# **SAMSUNG**

LED LC010C G2
FWHM / FWTM 11.0° / 21.0°
Efficiency 67 %
Peak intensity 12.6 cd/lm
LEDs/each optic 1

Light colour White Required components:

F15255\_HEKLA-SOCKET-C





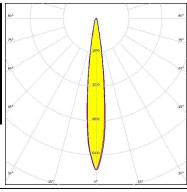
## **SAMSUNG**

LED LC020C
FWHM / FWTM 13.0° / 26.0°
Efficiency 64 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour White

F15848\_HEKLA-SOCKET-G

Required components:



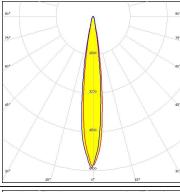


## **SAMSUNG**

LED LC020C G2
FWHM / FWTM 15.0° / 27.0°
Efficiency 63 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15859\_HEKLA-SOCKET-I



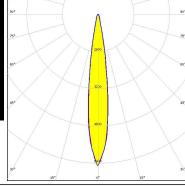


## **TRIDONIC**

LED SLE G7 LES09
FWHM / FWTM 15.0° / 27.0°
Efficiency 66 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C





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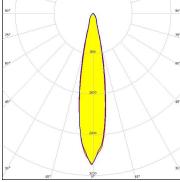


# TRIDONIC

LED SLE G7 LES13
FWHM / FWTM 20.0° / 37.0°
Efficiency 56 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White

F15858\_HEKLA-SOCKET-H





## **XICATO**

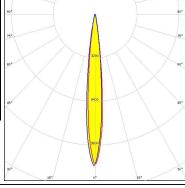
Required components:

LED XOB 6 mm
FWHM / FWTM 11.0° / 21.0°
Efficiency 66 %
Peak intensity 11.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C



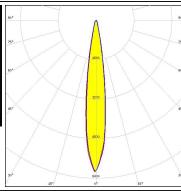


## **XICATO**

LED XOB 9.8 mm
FWHM / FWTM 15.0° / 28.0°
Efficiency 63 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White

F15255\_HEKLA-SOCKET-C





# **XICATO**

Required components:

 LED
 XTM - 9mm LES

 FWHM / FWTM
 15.0° / 28.0°

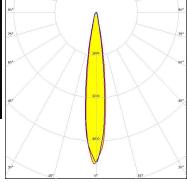
 Efficiency
 60 %

 Peak intensity
 5.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C15743\_XTM-ADAPTER-50-B







## PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED V10 Gen7 FWHM / FWTM 16.0° / 30.0°

Efficiency 60 %

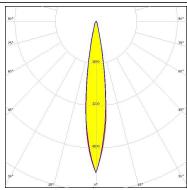
Peak intensity 5.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

F15255\_HEKLA-SOCKET-C



bridgelux.

Light colour

LED V6 Gen6 FWHM / FWTM 10.0° / 21.0°

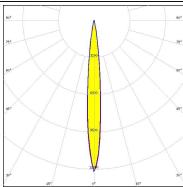
Efficiency 66 %
Peak intensity 13 cd/lm

LEDs/each optic 1

White

Required components:

F15253\_HEKLA-SOCKET-A



bridgelux

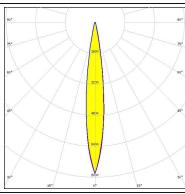
LED V8 Gen7
FWHM / FWTM 14.0° / 26.0°

Efficiency 63 %
Peak intensity 7.8 cd/lm

LEDs/each optic 1
Light colour White

Required components:

F15253\_HEKLA-SOCKET-A



bridgelux.

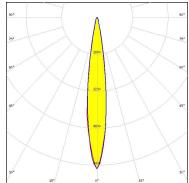
LED VERO10

FWHM / FWTM 15.0° / 27.0° Efficiency 61 % Peak intensity 6.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:

F15616\_HEKLA-SOCKET-F



## PHOTOMETRIC DATA (SIMULATED):



LED CHA0304

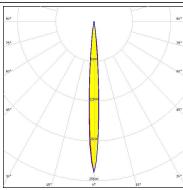
FWHM / FWTM 8.0° / 15.0° Efficiency 65 %

Peak intensity 24.3 cd/lm

LEDs/each optic 1

Light colour White

Required components: F17435\_HEKLA-G2-C



#### CREE - LED

LED CHA0612

 $FWHM / FWTM \qquad \qquad 10.0^{\circ} / 20.0^{\circ}$ 

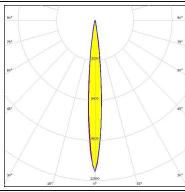
Efficiency 61 %

Peak intensity 12.1 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White

Required components:

F17435\_HEKLA-G2-C



#### CREE = LED

LED CHA0825

FWHM / FWTM 14.0° / 26.0°

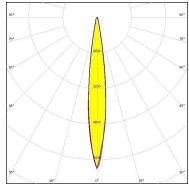
Efficiency 57 %

Peak intensity 6.8 cd/lm

LEDs/each optic 1

Light colour White

Required components: F17438\_HEKLA-G2-I



## **MUMILEDS**

LED LUXEON CoB 1202/1203

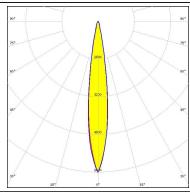
FWHM / FWTM 14.0° / 28.0°

Efficiency 61 %

Peak intensity 6.4 cd/lm

LEDs/each optic 1
Light colour White

Required components: F15858\_HEKLA-SOCKET-H



## PHOTOMETRIC DATA (SIMULATED):

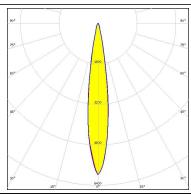


LED LUXEON CoB 1204HD

FWHM / FWTM 16.0° / 28.0°
Efficiency 61 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White

F15858\_HEKLA-SOCKET-H

Required components:



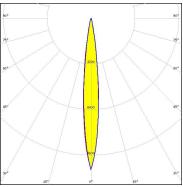
#### **ELUMINUS**

LED CxM-6 (13.5x13.5) FWHM / FWTM 12.0° / 23.0°

Efficiency 65 %
Peak intensity 10.6 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15255\_HEKLA-SOCKET-C



#### **WNICHIA**

LED COB S-Type (LES 6)

 FWHM / FWTM
 13.0° / 25.0°

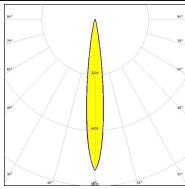
 Efficiency
 63 %

 Peak intensity
 8.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15848\_HEKLA-SOCKET-G

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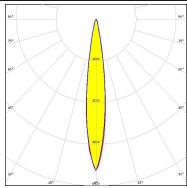
#### **OSRAM**

LED Soleriq S9

FWHM / FWTM 15.0° / 28.0°
Efficiency 59 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15255\_HEKLA-SOCKET-C





## PHOTOMETRIC DATA (SIMULATED):

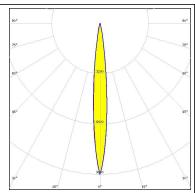
## **PHILIPS**

LED Fortimo SLM L06 CoB

FWHM / FWTM 10.0° / 22.0°
Efficiency 53 %
Peak intensity 9.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

F15858\_HEKLA-SOCKET-H

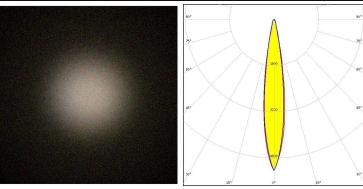


## **SAMSUNG**

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 16.0° / 30.0°
Efficiency 58 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435\_HEKLA-G2-C

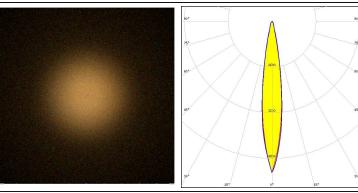


## **SAMSUNG**

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 16.0° / 30.0°
Efficiency 58 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435\_HEKLA-G2-C



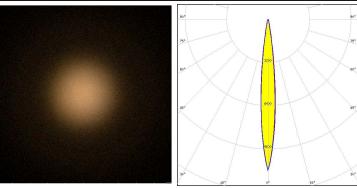
# **SAMSUNG**

LED LC010C FWHM / FWTM 12.0° / 22.0° Efficiency 64 %

Peak intensity 11.2 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F17435\_HEKLA-G2-C





## PHOTOMETRIC DATA (SIMULATED):

# **SAMSUNG**

LH231B

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 

15.0° / 28.0°

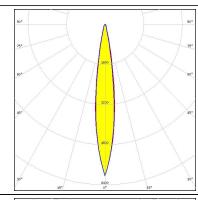
Efficiency Peak intensity 58 % 6 cd/lm

LEDs/each optic

White

Light colour Required components:

F15255\_HEKLA-SOCKET-C



#### SEOUL SEOUL SEMICONDUCTOR

LED

MJT COB LES 6

FWHM / FWTM

11.0° / 21.0°

Efficiency

65 %

Peak intensity LEDs/each optic 12.7 cd/lm

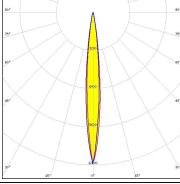
Light colour

White

1

Required components:

F17435\_HEKLA-G2-C



## SEOUL

LED

MJT COB LES 9.8

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 

16.0° / 30.0°

Efficiency

60 %

Peak intensity

5.3 cd/lm

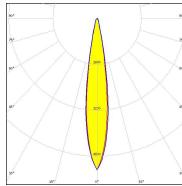
LEDs/each optic

1

Light colour

Required components: F17435\_HEKLA-G2-C

White



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#### **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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# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Salo, Finland Hong Kong, China

#### **Distribution Partners**

17/17

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