

# PRODUCT DATASHEET CP16108\_CARMEN-50-M-C

#### **CARMEN-50-M-C**

 ${\sim}35^{\circ}$  medium beam. Assembly with holder C compatible with LEDiL HEKLA.

#### **SPECIFICATION:**

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



#### **MATERIALS:**

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

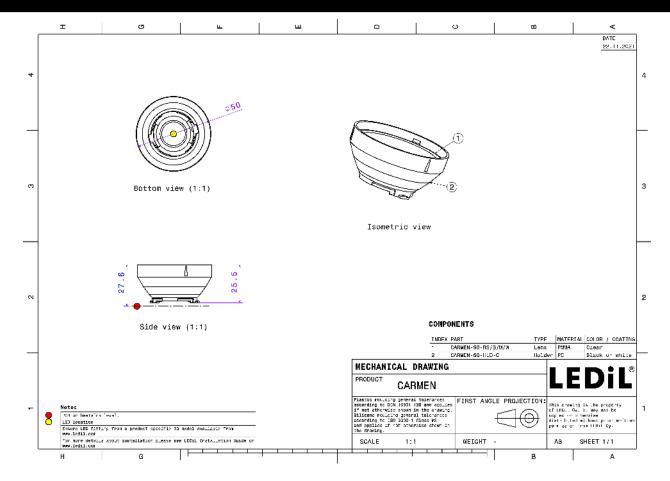
#### **ORDERING INFORMATION:**

» Box size: 476 x 273 x 292 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16108_CARMEN-50-M-C	Single lens	308	112	28	5.9



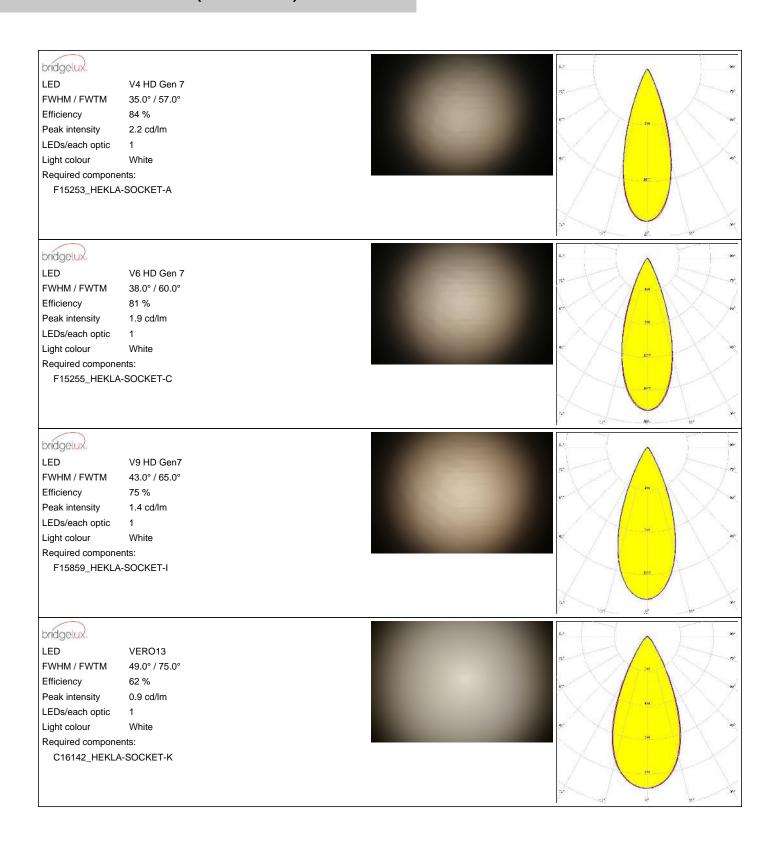
# **PRODUCT** CP16108\_CARMEN-50-M-C



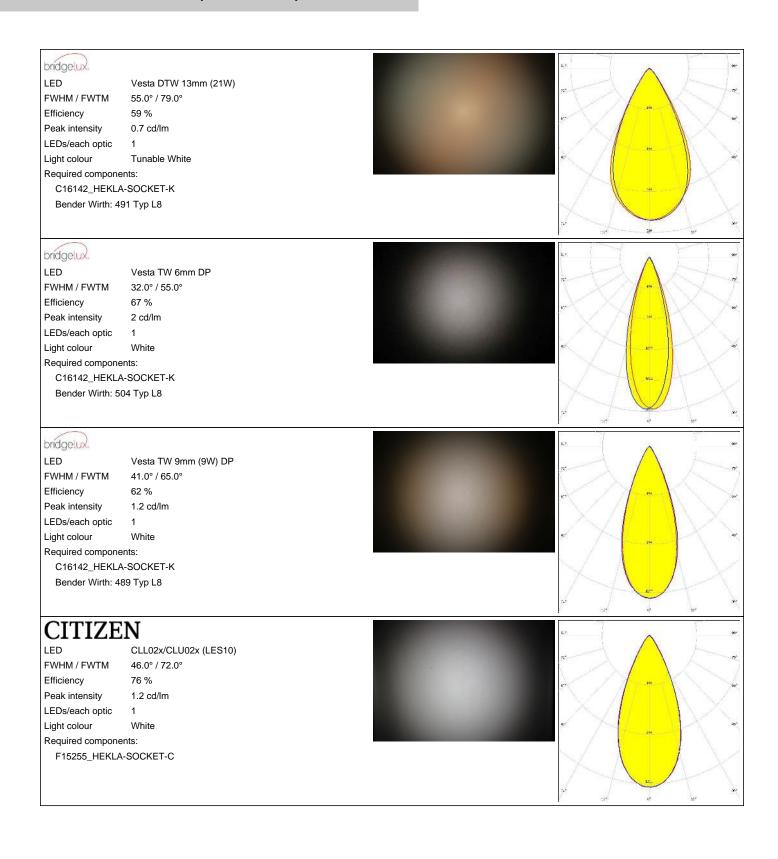
See also our general installation guide: www.ledil.com/installation\_guide

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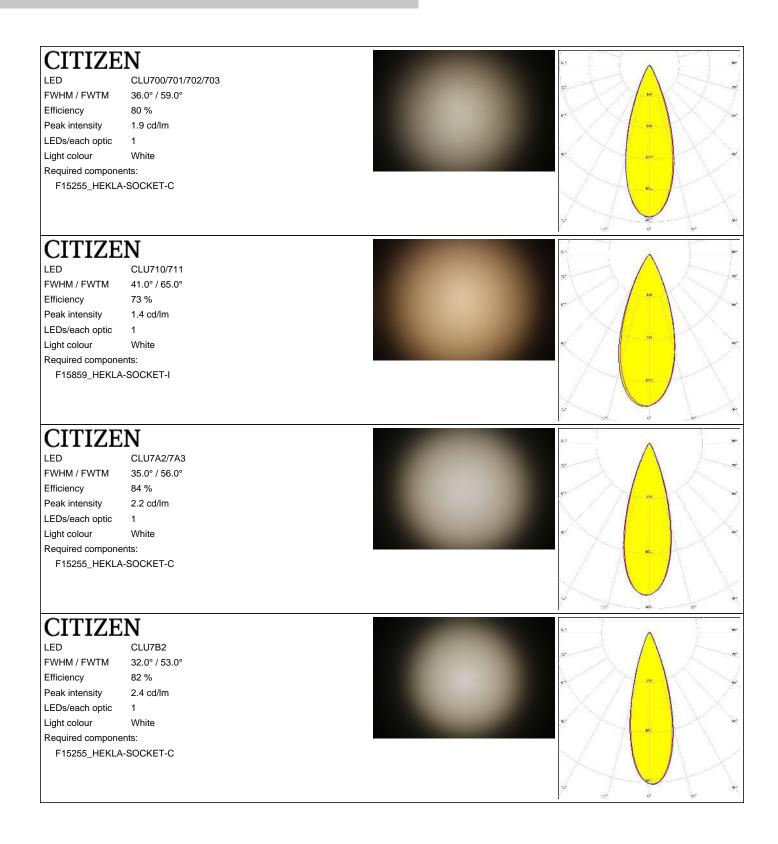




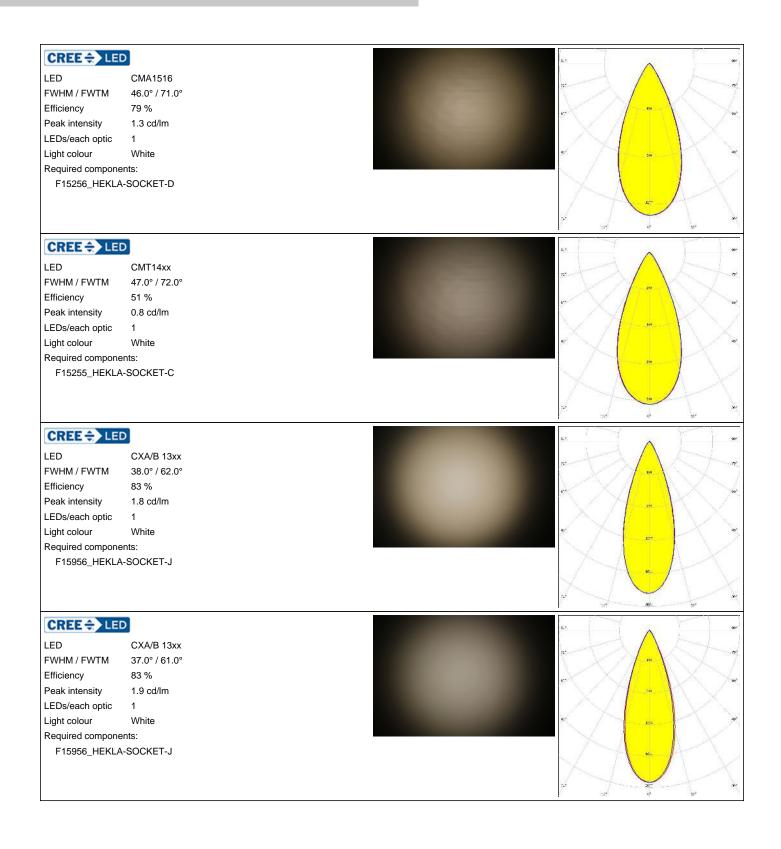




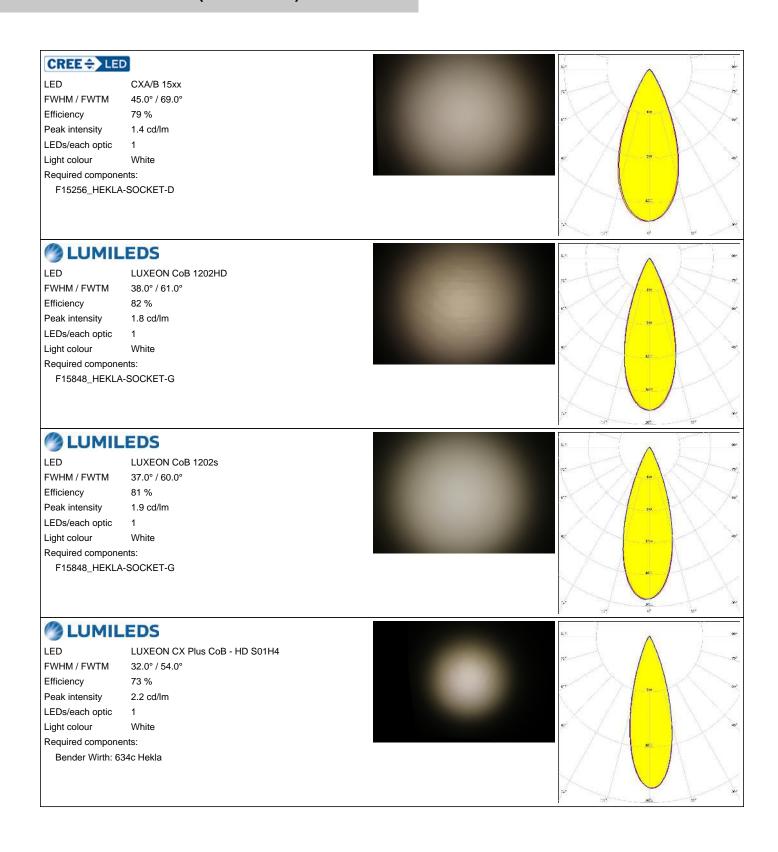




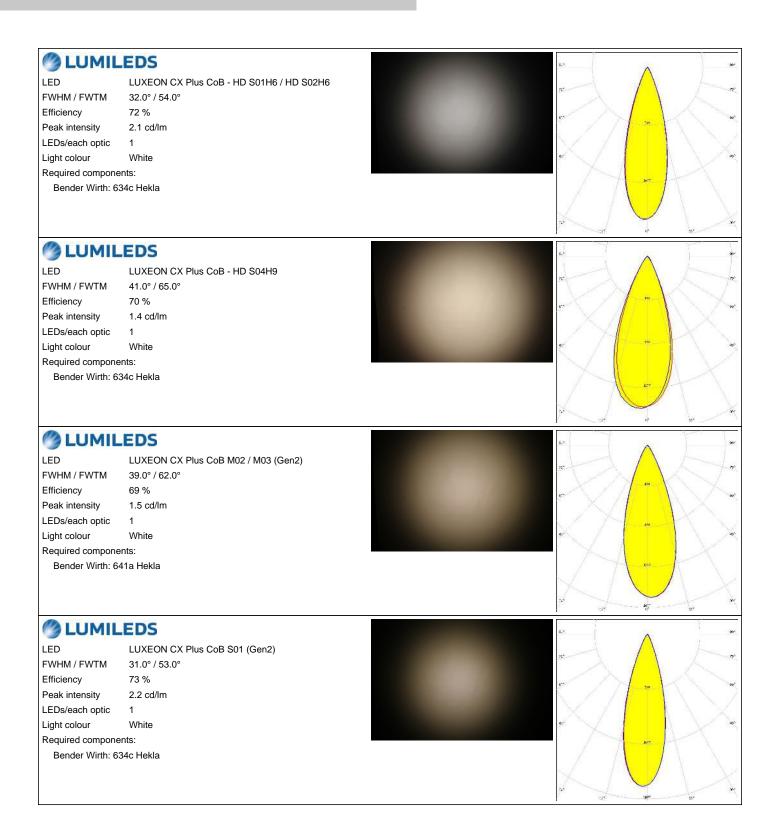




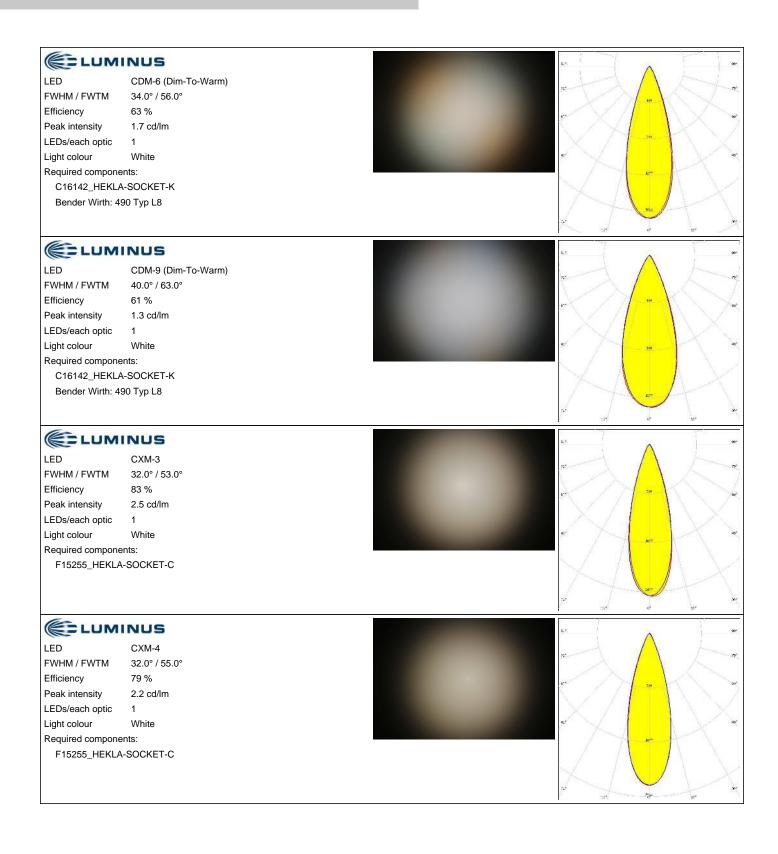




PRODUCT DATASHEET

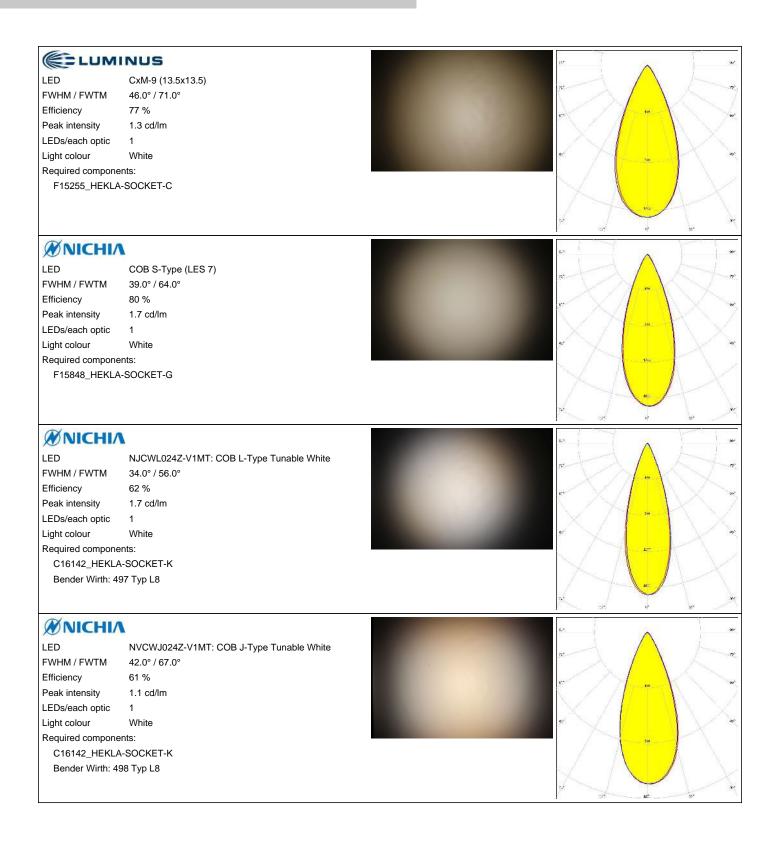






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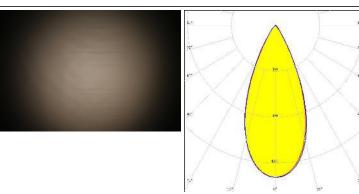
#### PHILIPS 1

Required components:

LED Fortimo SLM L09 CoB

FWHM / FWTM 45.0° / 68.0°
Efficiency 76 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

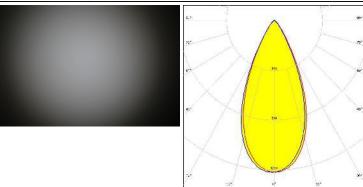
F15858\_HEKLA-SOCKET-H



## SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 47.0° / 73.0°
Efficiency 77 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



# SAMSUNG

 LED
 LC010C G2

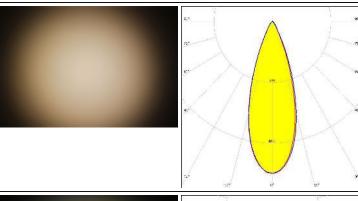
 FWHM / FWTM
 36.0° / 58.0°

 Efficiency
 80 %

 Peak intensity
 2 cd/lm

 LEDs/each optic
 1

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



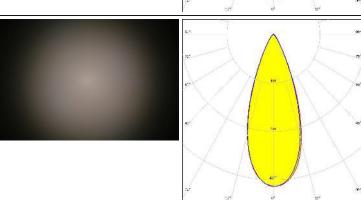
# SAMSUNG

LED LC010T (Tunable White)

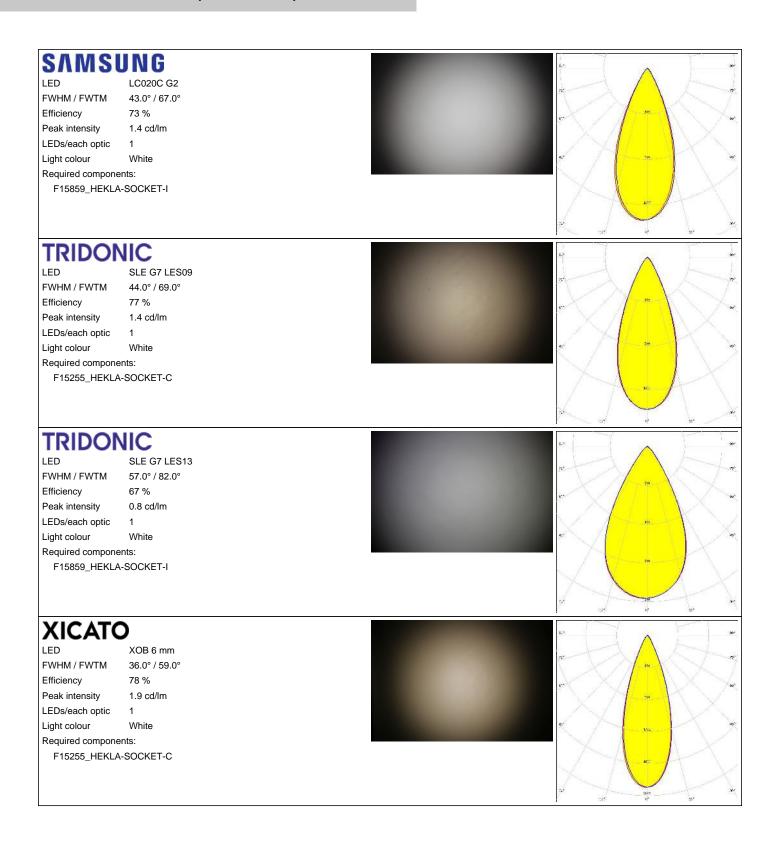
FWHM / FWTM 39.0° / 64.0°
Efficiency 61 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

Light colour Tunable White

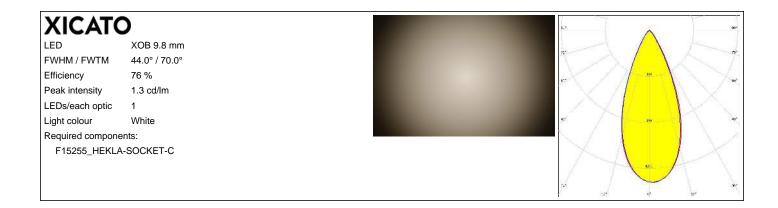
Required components: C16142\_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8







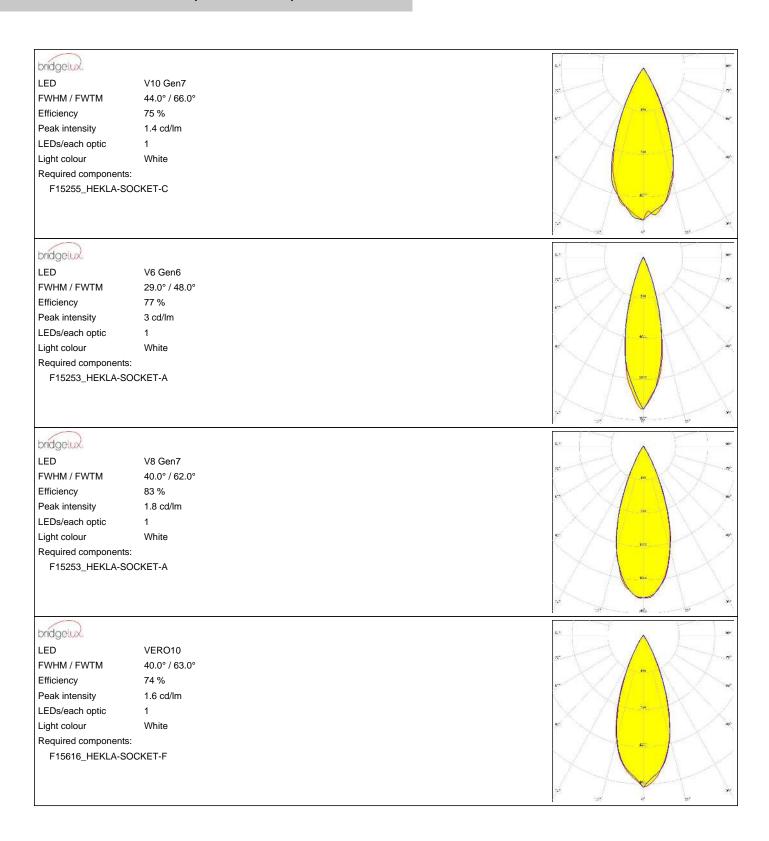




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### **OPTICAL RESULTS (SIMULATED):**





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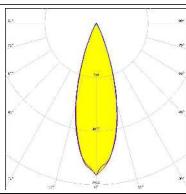


LED COB S-Type (LES 6)

FWHM / FWTM 32.0° / 52.0°
Efficiency 69 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1

Light colour White Required components:

F15848\_HEKLA-SOCKET-G

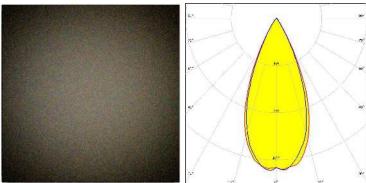


## SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 46.0° / 67.0°
Efficiency 71 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: F17435\_HEKLA-G2-C

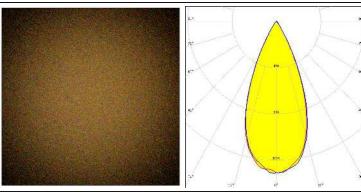


# SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM / FWTM 44.0° / 66.0°
Efficiency 71 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Light colour Nequired components: F17435\_HEKLA-G2-C



# SAMSUNG

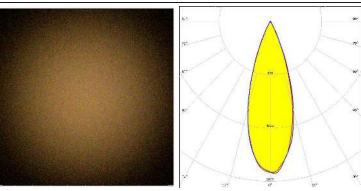
LED LC010C FWHM / FWTM 34.0° / 54.0°

Efficiency 77 %

Peak intensity 2.3 cd/lm

LEDs/each optic 1

Light colour White Required components: F17435\_HEKLA-G2-C





### **OPTICAL RESULTS (SIMULATED):**

# **SAMSUNG**

LH231B

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 41.0° / 65.0° Efficiency 73 %

Peak intensity

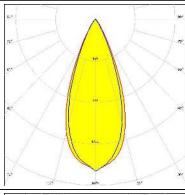
1.5 cd/lm

White

LEDs/each optic

Light colour

Required components: F15255\_HEKLA-SOCKET-C



# **XICATO**

LED XTM - 9mm LES

FWHM / FWTM 42.0° / 63.0°

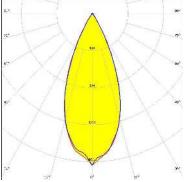
Efficiency 79 %

Peak intensity 1.6 cd/lm LEDs/each optic 1

White Light colour

Required components:

C15743\_XTM-ADAPTER-50-B



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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

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#### **Distribution Partners**

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