

### **ANGELINA-M-B**

~30° medium beam compatible with BJB and **B+W** connectors

#### SPECIFICATION:

Dimensions	Ø 82.0 mm
Height	31 mm
Fastening	socket
ROHS compliant	yes 🕕



#### **MATERIALS:**

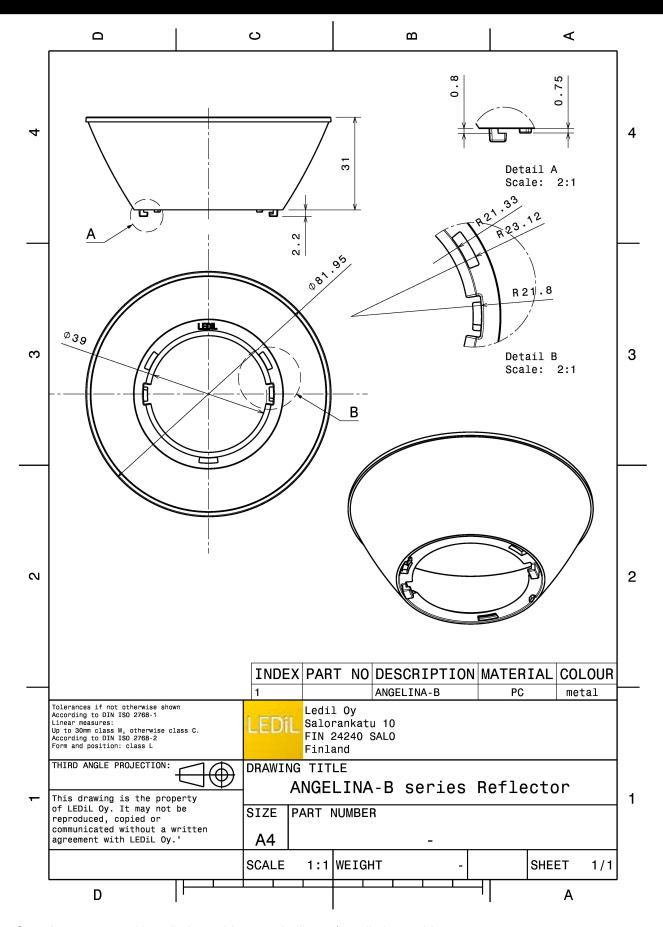
Component	Туре	Material	Colour	Finish	Coating
ANGELINA-M-B	Reflector	PC	metal		HMDS

#### **ORDERING INFORMATION:**

Component Qty in box MOQ MPQ Box weight (kg) F13660\_ANGELINA-M-B 825 110 55 10.0

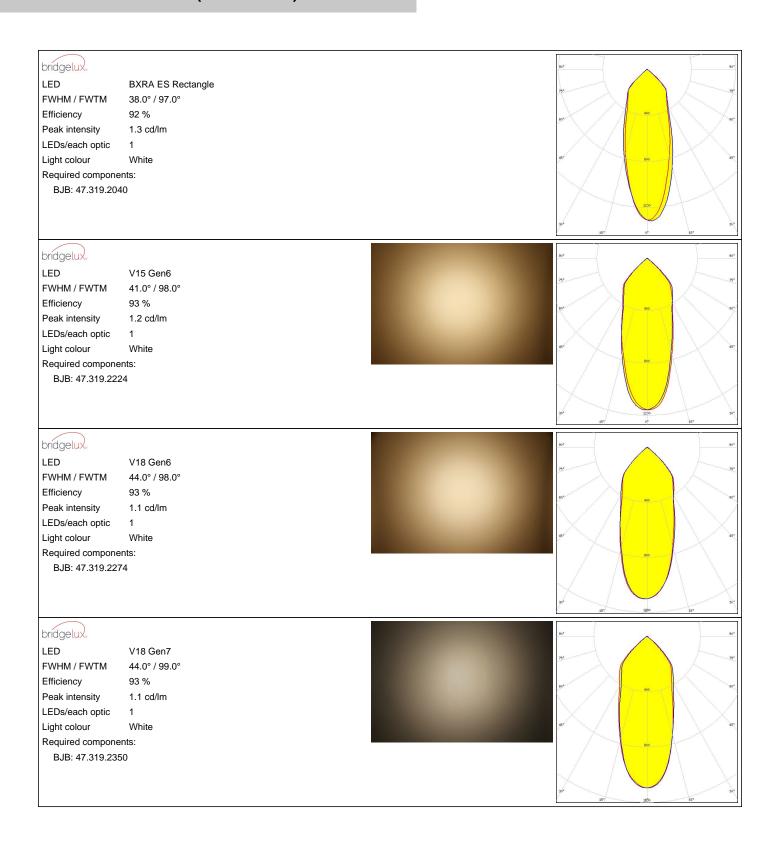
» Box size: 480 x 280 x 300 mm

# PRODUCT DATASHEET F13660\_ANGELINA-M-B

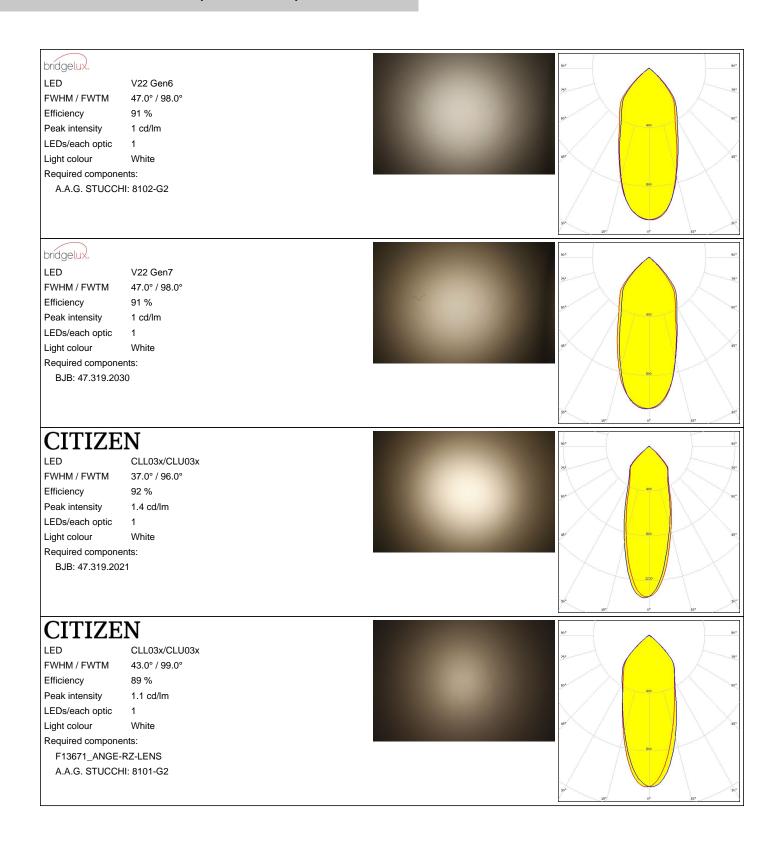


See also our general installation guide: www.ledil.com/installation\_guide

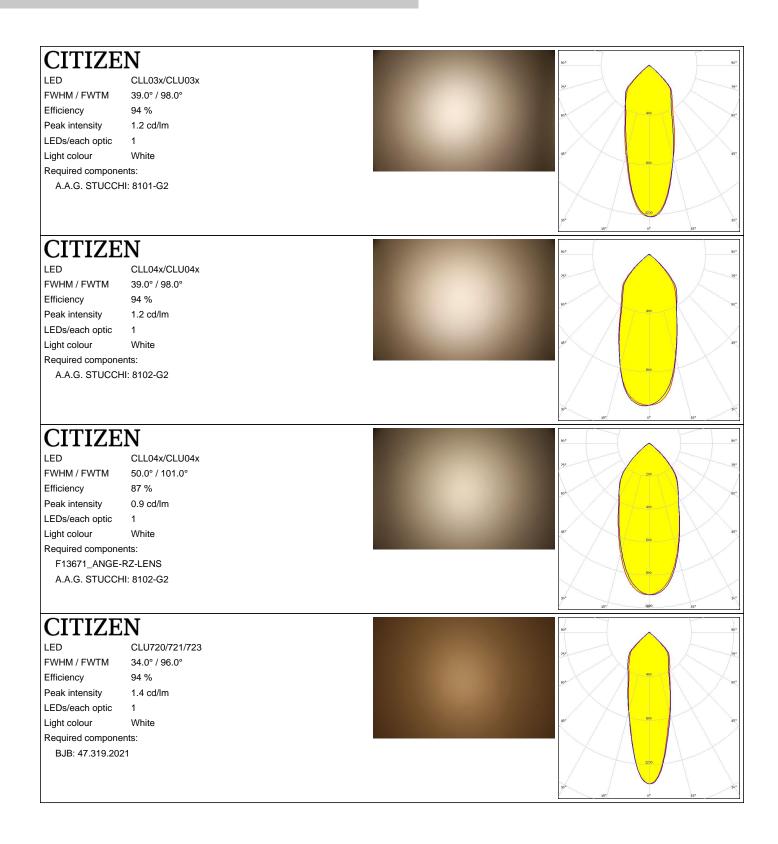




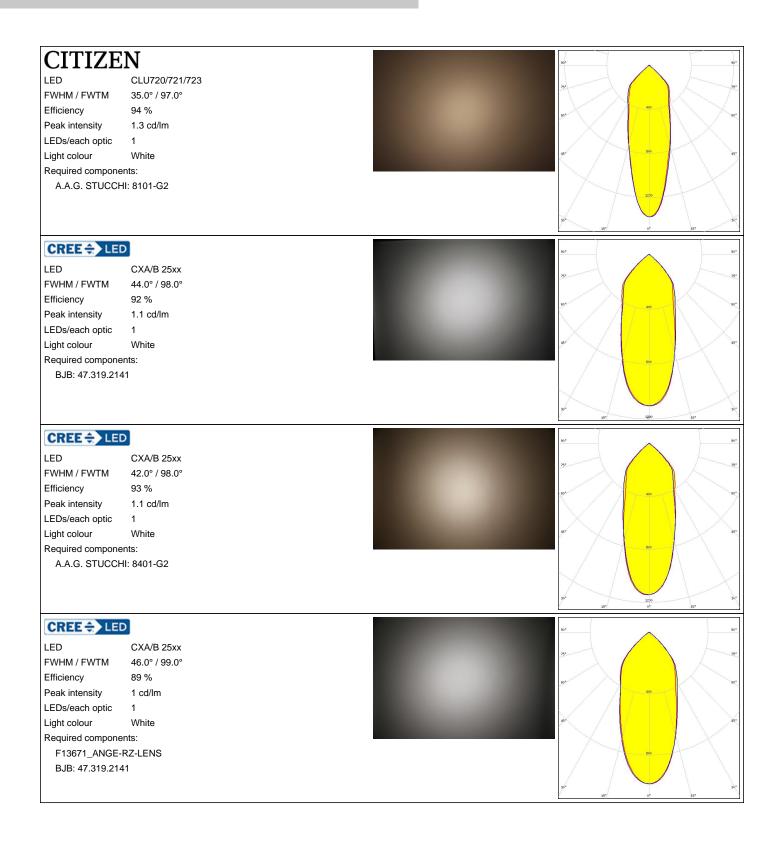






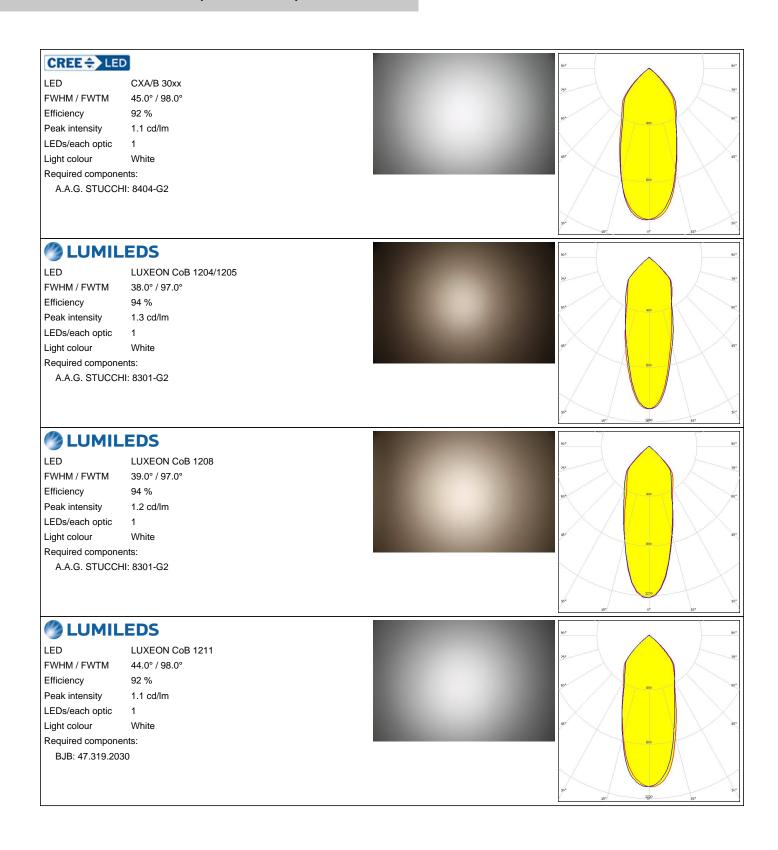




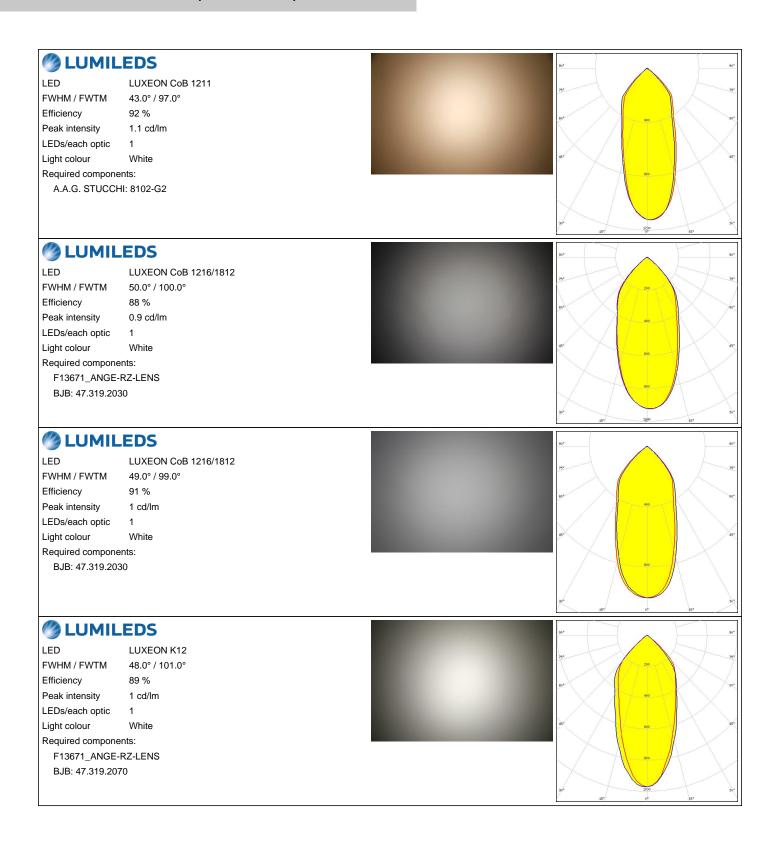


6/16

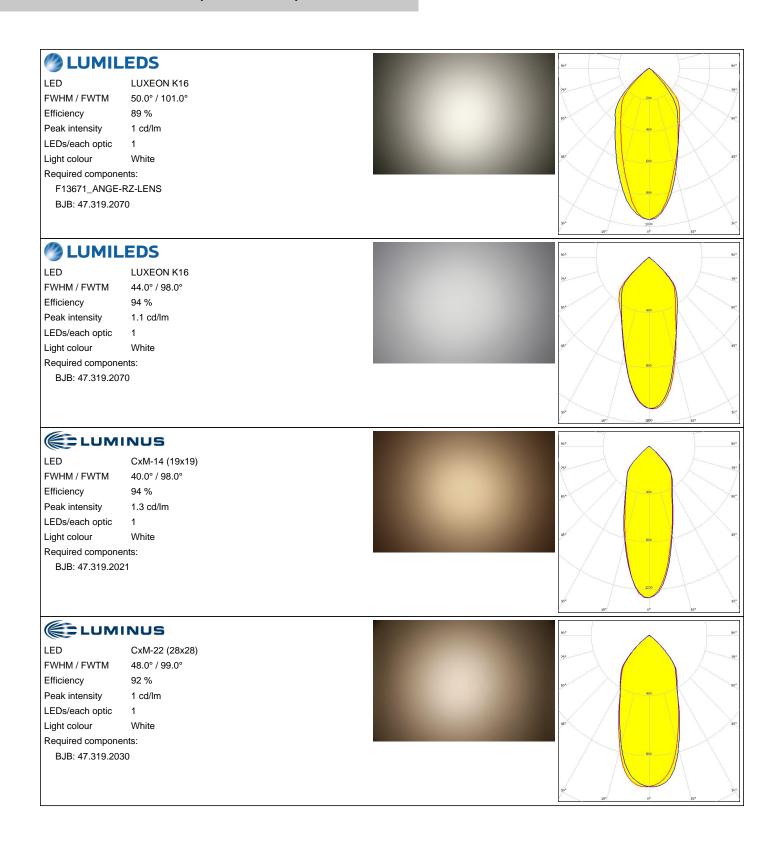




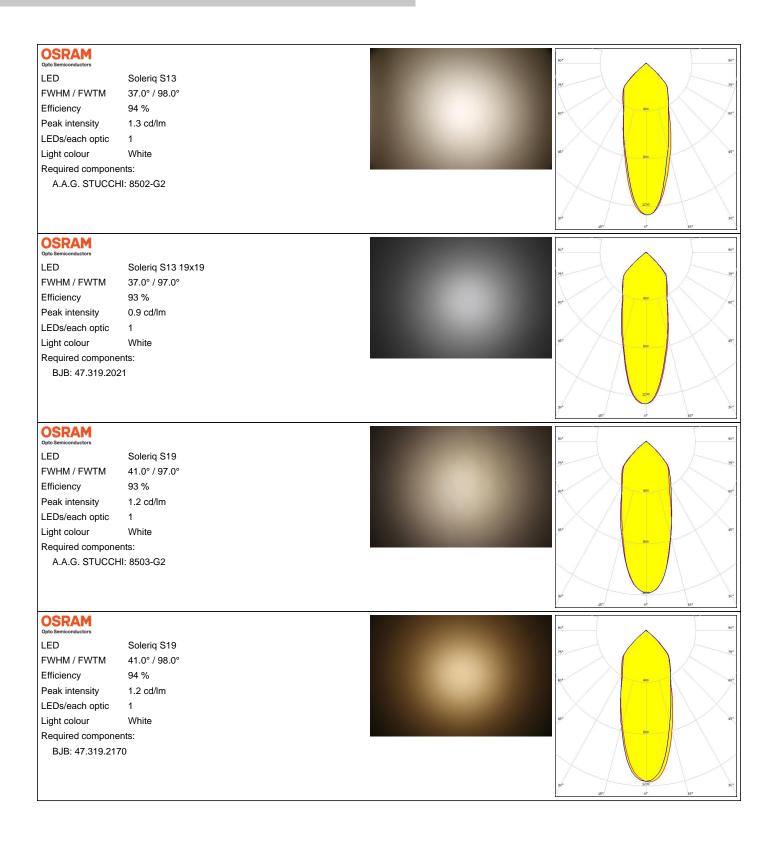












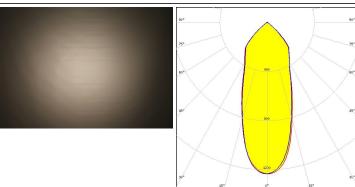


## **PHILIPS**

LED Fortimo SLM L19 CoB

FWHM / FWTM 40.0° / 97.0° Efficiency 93 % Peak intensity 1.2 cd/lm

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

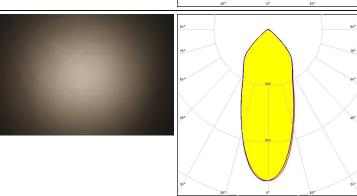


#### PHILIPS

LED Fortimo SLM L19 CoB

FWHM / FWTM 42.0° / 98.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:
F13671\_ANGE-RZ-LENS
BJB: 47.319.2030



## PHILIPS

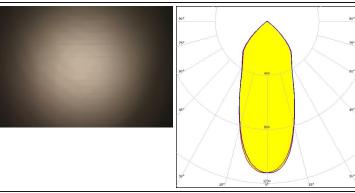
LED Fortimo SLM L23 CoB

 FWHM / FWTM
 44.0° / 98.0°

 Efficiency
 93 %

 Peak intensity
 1.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

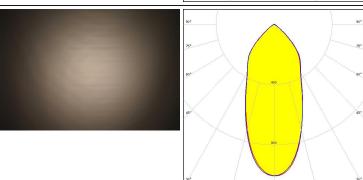


## **PHILIPS**

LED Fortimo SLM L23 CoB

FWHM / FWTM 45.0° / 99.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F13671\_ANGE-RZ-LENS BJB: 47.319.2030



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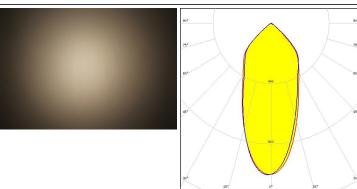


# **SAMSUNG**

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 45.0° / 100.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F13671\_ANGE-RZ-LENS BJB: 47.319.2021

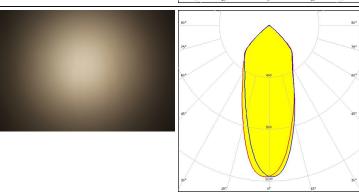


# SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 41.0° / 98.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

BJB: 47.319.2021

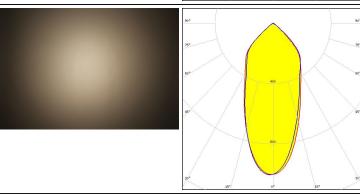


# SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 45.0° / 100.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1

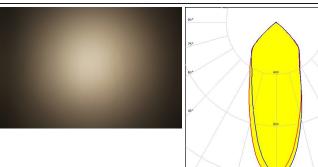
Light colour White
Required components:
F13671\_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101-G2



## **SAMSUNG**

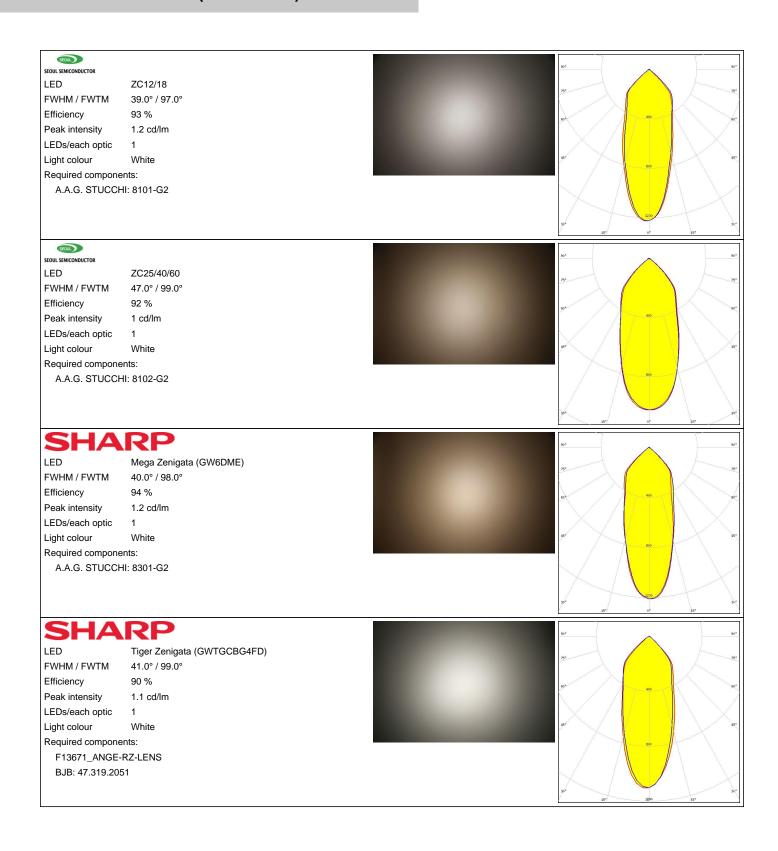
LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 41.0° / 98.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101-G2

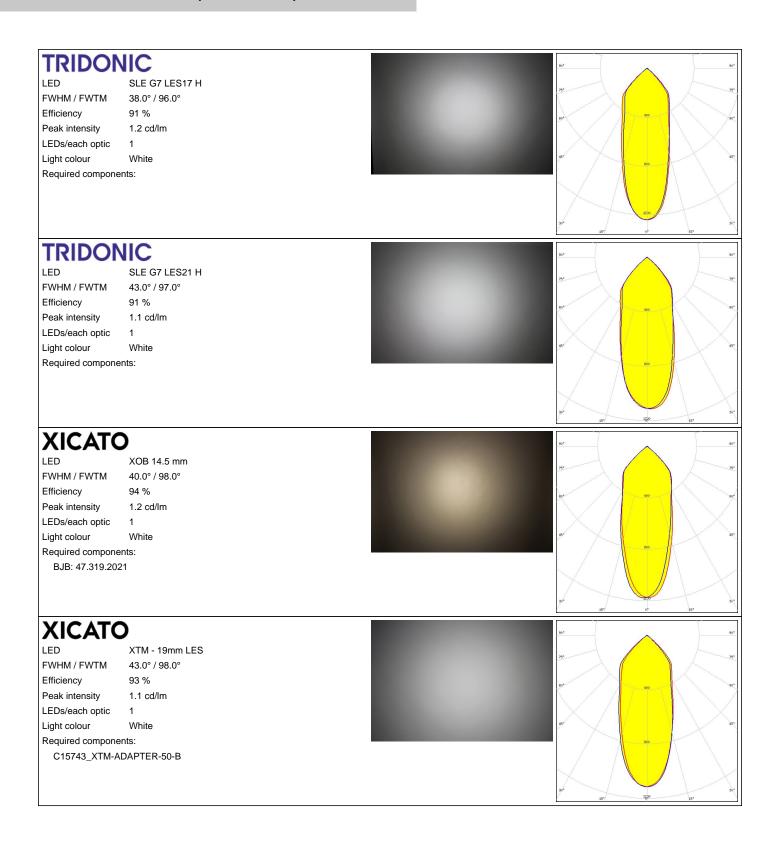


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## **OPTICAL RESULTS (SIMULATED):**

# **CITIZEN**

 LED
 CLL04x/CLU04x

 FWHM / FWTM
 37.0° / 90.0°

 Efficiency
 95 %

 Peak intensity
 1.6 cd/lm

 LEDs/each optic
 1

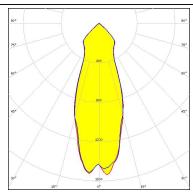
Light colour White

Required components: BJB: 47.319.2030

## **CITIZEN**

LED CLU730/731/733
FWHM / FWTM 37.0° / 93.0°
Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

Required components: BJB: 47.319.2030

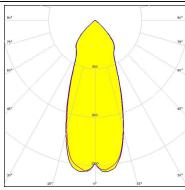


# **SAMSUNG**

LED LC040D / LC060D / LC080D

FWHM / FWTM 41.0° / 94.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components: BJB: 47.319.2030



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# **PRODUCT** DATASHEET F13660\_ANGELINA-M-B

#### **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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