

### **ANGELA-W-B**

~45° compatible **BJB** wide beam with connectors

### **TECHNICAL SPECIFICATIONS:**

**Dimensions** Ø 119.5 mm 74.5 mm Height Fastening socket yes 🕕 **ROHS** compliant



### **MATERIAL SPECIFICATIONS:**

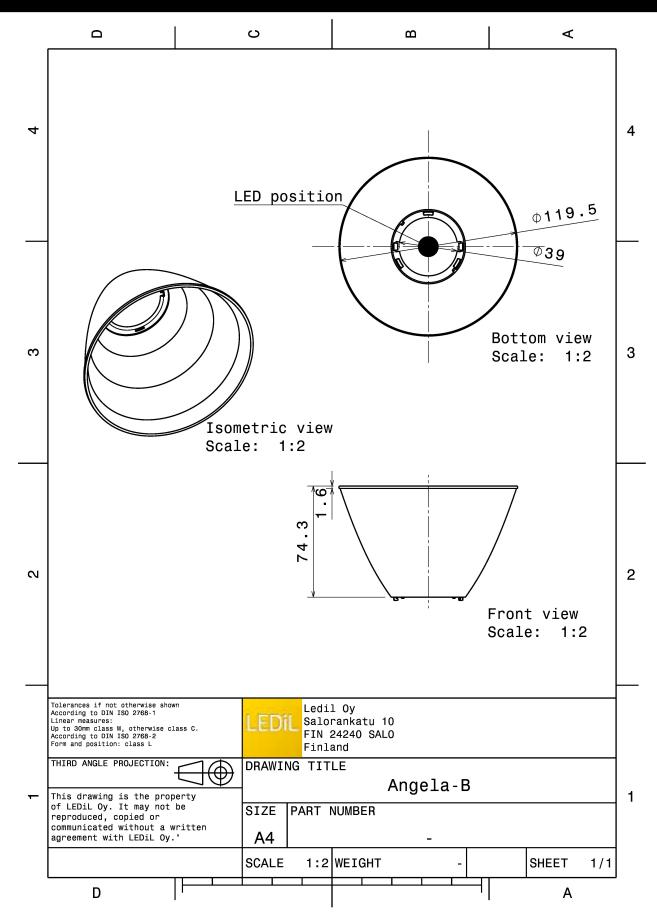
Component **Type** Material Colour **Finish** Coating Reflector ANGELA-W-B PC metal **HMDS** 

### **ORDERING INFORMATION:**

Component Qty in box MOQ MPQ Box weight (kg) 90 45 9.1

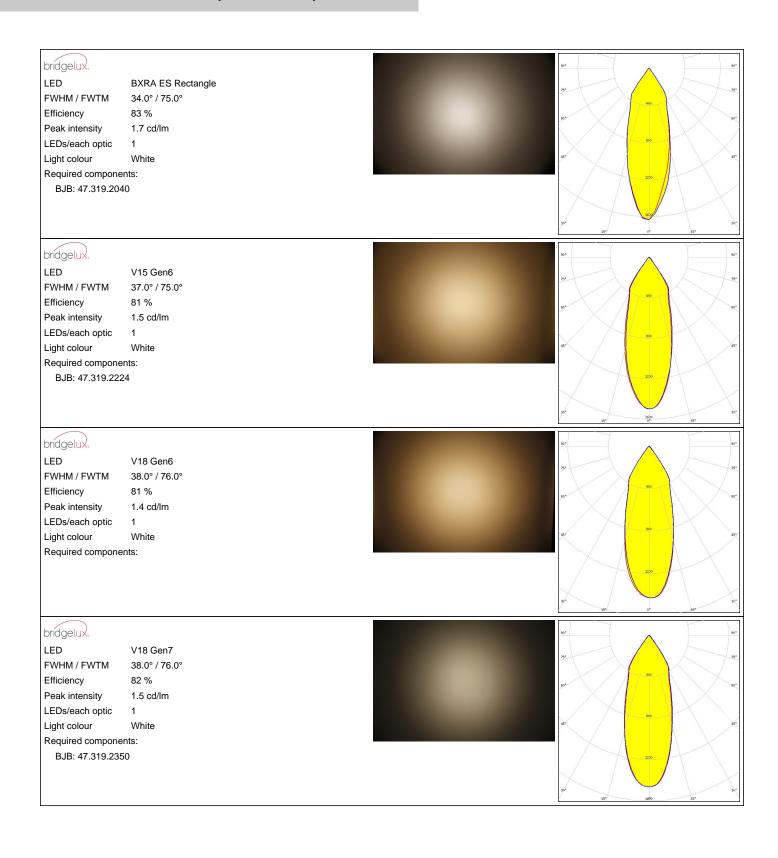
F13664\_ANGELA-W-B 180 » Box size: 398 x 298 x 265 mm



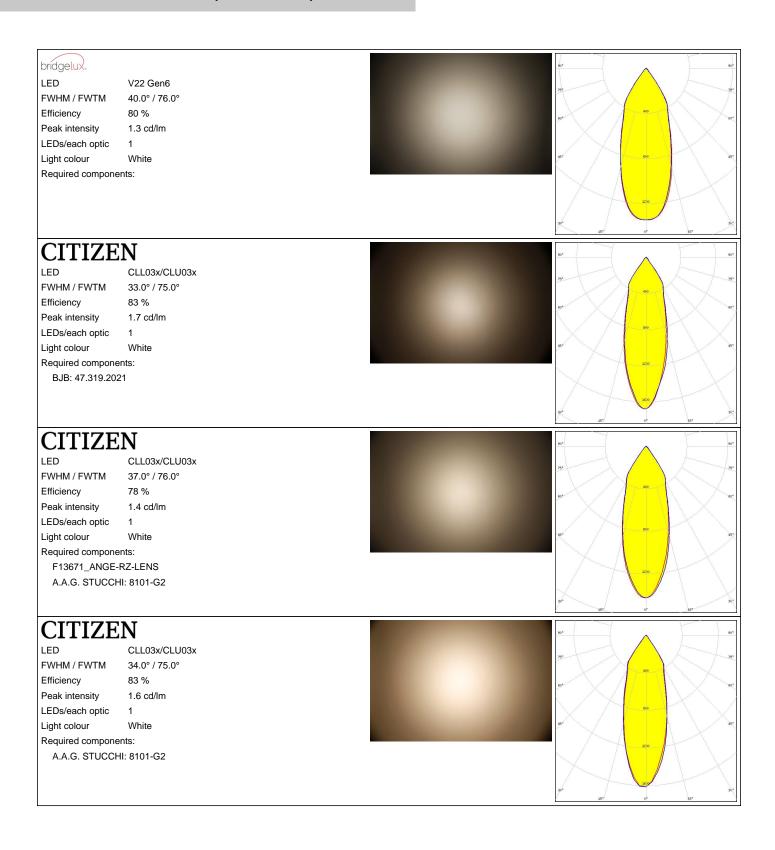


See also our general installation guide: www.ledil.com/installation\_guide

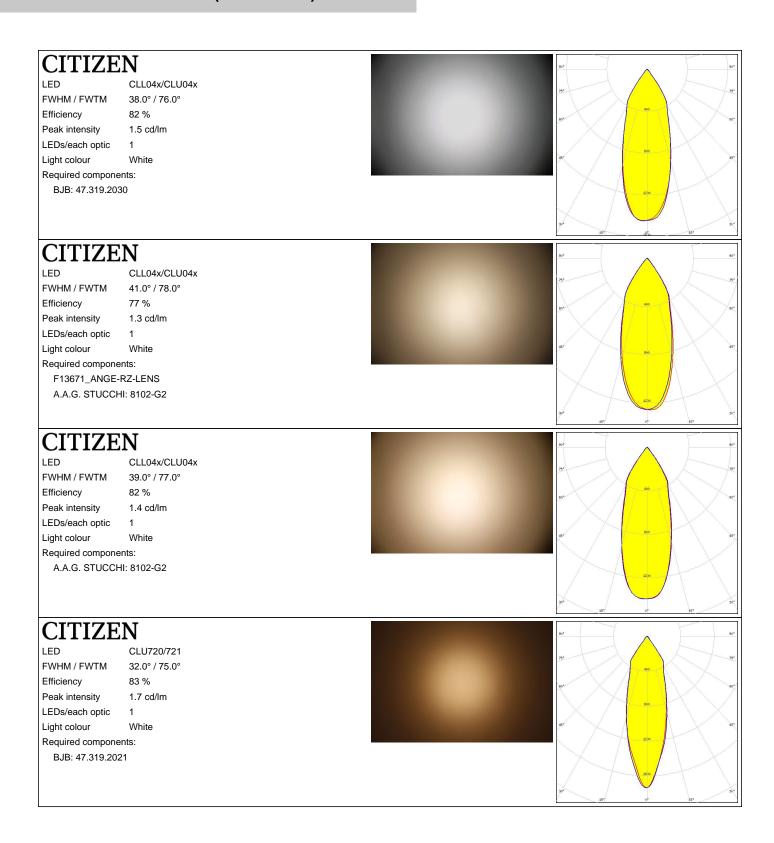




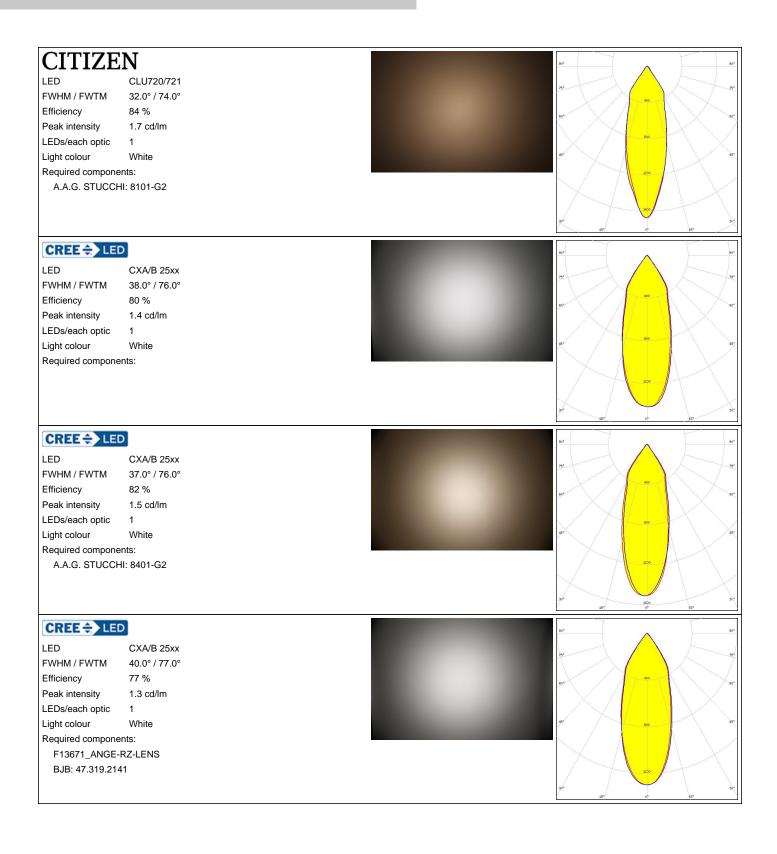




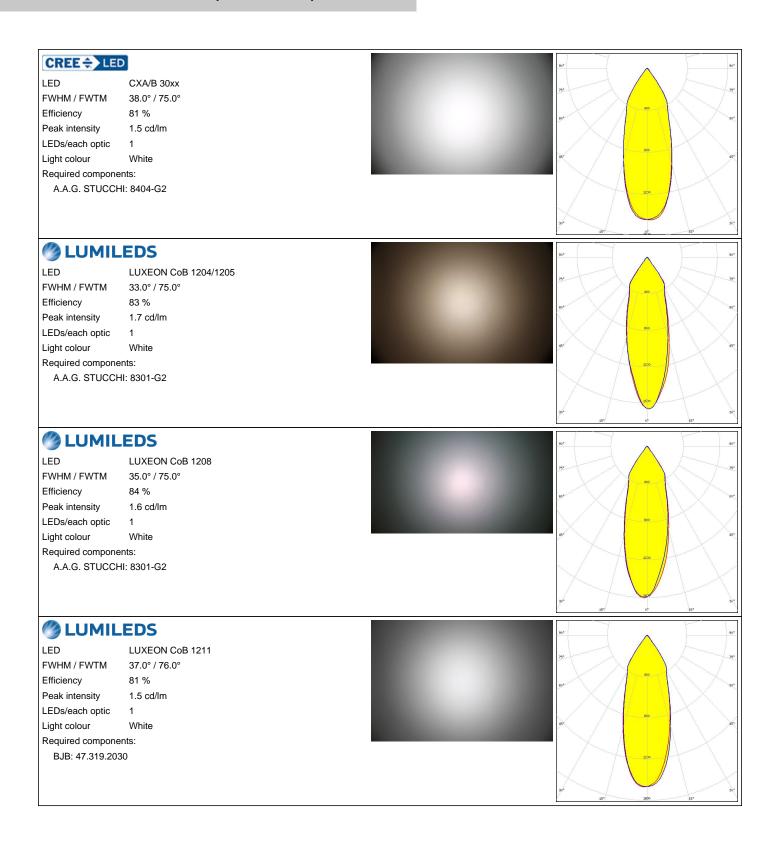




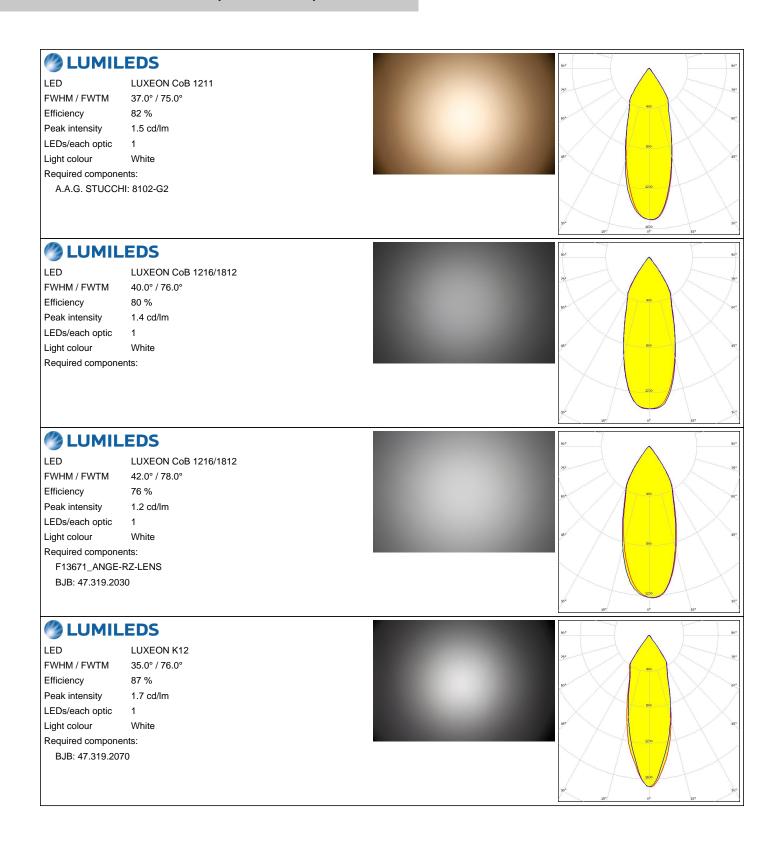






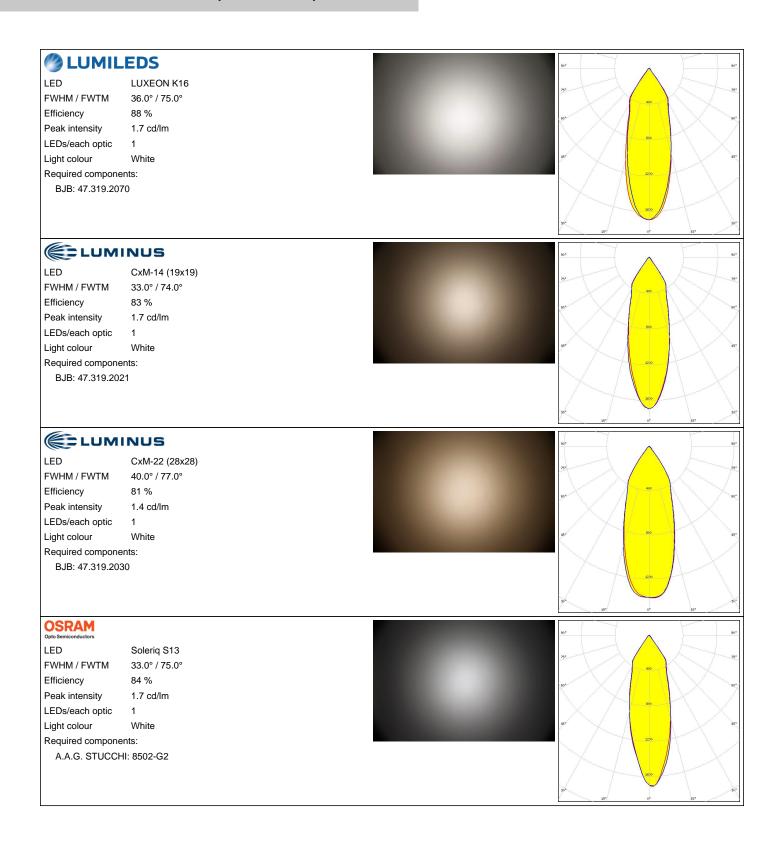






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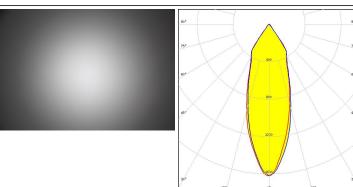


### **OSRAM**

LED Soleriq S13 19x19 FWHM / FWTM 34.0° / 75.0°

Efficiency 81 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1

Light colour White Required components: BJB: 47.319.2021

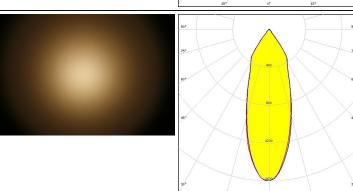


### **OSRAM**

#### Opto Semiconductor

LED Soleriq S19
FWHM / FWTM 35.0° / 75.0°
Efficiency 83 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1

Light colour White Required components: BJB: 47.319.2170

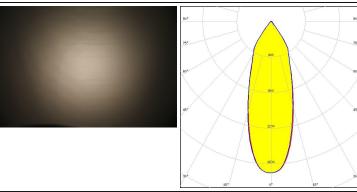


# **PHILIPS**

LED Fortimo SLM L19 CoB

FWHM / FWTM 35.0° / 75.0° Efficiency 87 %

Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

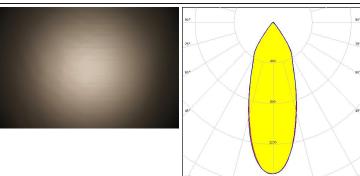


# **PHILIPS**

LED Fortimo SLM L19 CoB

FWHM / FWTM 38.0° / 76.0°
Efficiency 82 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1

Light colour White Required components: F13671\_ANGE-RZ-LENS BJB: 47.319.2030



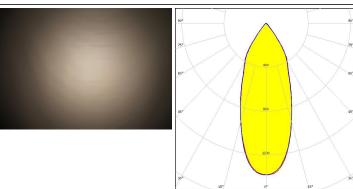


### **PHILIPS**

LED Fortimo SLM L23 CoB

FWHM / FWTM 40.0° / 77.0°
Efficiency 82 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1

Light colour White
Required components:
F13671\_ANGE-RZ-LENS
BJB: 47.319.2030

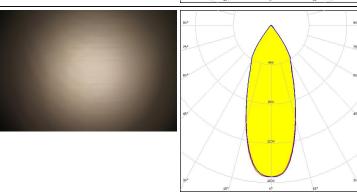


### **PHILIPS**

LED Fortimo SLM L23 CoB

FWHM / FWTM 39.0° / 76.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1

Light colour White
Required components:
BJB: 47.319.2030

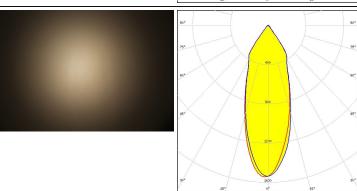


# SAMSUNG

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 36.0° / 76.0°
Efficiency 82 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1

Light colour White Required components: BJB: 47.319.2021



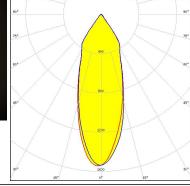
# **SAMSUNG**

LED LC016D / LC019D / LC026D / LC033D

FWHM / FWTM 36.0° / 76.0°
Efficiency 82 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

A.A.G. STUCCHI: 8101-G2



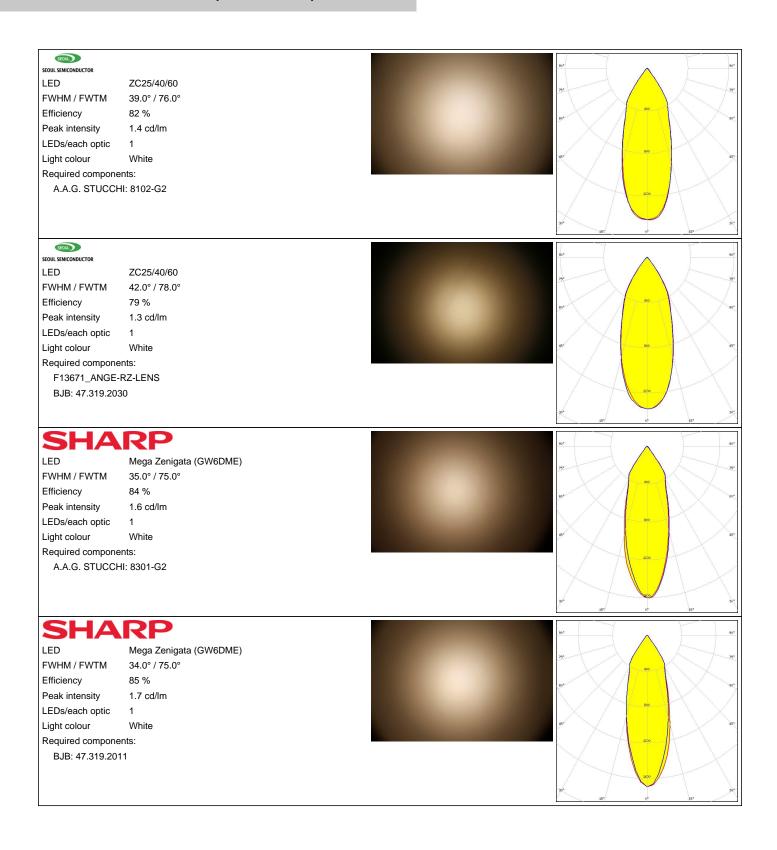




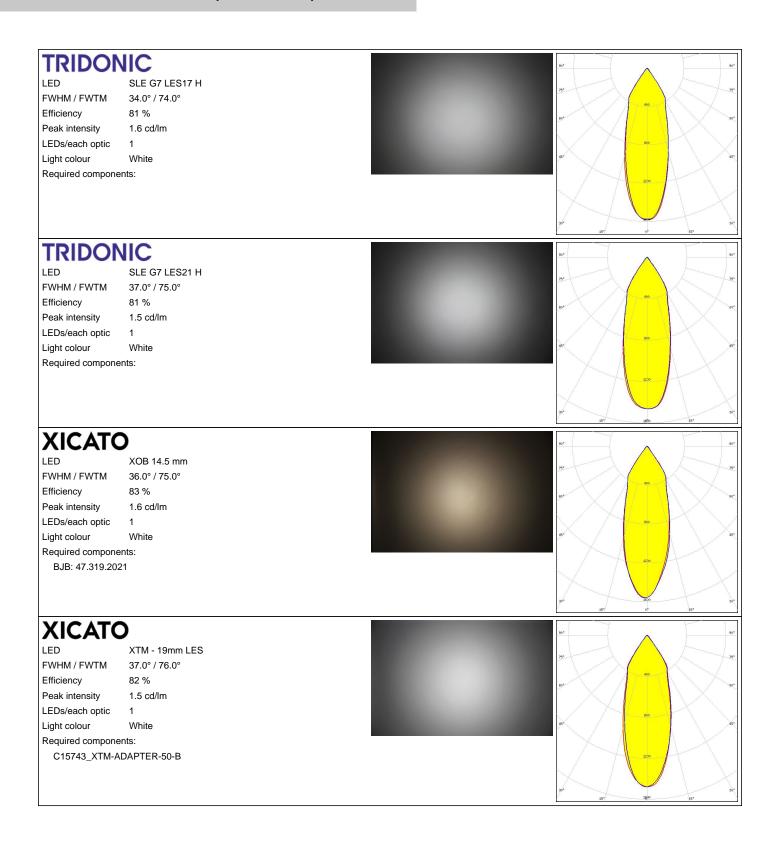
BJB: 47.319.2030

#### **SAMSUNG** LC016D / LC019D / LC026D / LC033D $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 38.0° / 77.0° Efficiency 79 % Peak intensity 1.4 cd/lm LEDs/each optic Light colour White Required components: F13671\_ANGE-RZ-LENS BJB: 47.319.2021 **SAMSUNG** LED LC016D / LC019D / LC026D / LC033D FWHM / FWTM 38.0° / 77.0° Efficiency 79 % Peak intensity 1.4 cd/lm LEDs/each optic 1 White Light colour Required components: F13671\_ANGE-RZ-LENS A.A.G. STUCCHI: 8101-G2 SEOUL LED ZC12/18 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 34.0° / 74.0° Efficiency 83 % Peak intensity 1.7 cd/lm LEDs/each optic Light colour White Required components: A.A.G. STUCCHI: 8101-G2 SEOUL SEOUL SEMICONDUCTOR LED ZC25/40/60 FWHM / FWTM 40.0° / 76.0° Efficiency 82 % Peak intensity 1.5 cd/lm LEDs/each optic White Light colour Required components:









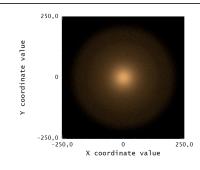


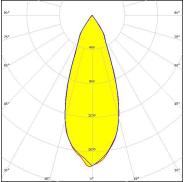
# PHOTOMETRIC DATA (SIMULATED):

# **CITIZEN**

LED CLL03x/CLU03x
FWHM / FWTM 40.0° / 70.0°
Efficiency 85 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White

Required components: F13671\_ANGE-RZ-LENS BJB: 47.319.2021

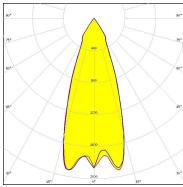




# **CITIZEN**

LED CLU730/731
FWHM / FWTM 35.0° / 69.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

Required components: BJB: 47.319.2030

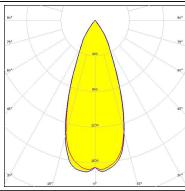


# **SAMSUNG**

LED LC040D / LC060D / LC080D

FWHM / FWTM 40.0° / 70.0°
Efficiency 86 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

Required components: BJB: 47.319.2030





# PRODUCT DATASHEET F13664 ANGELA-W-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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# Local sales and technical support

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