

ANGELINA-W-B

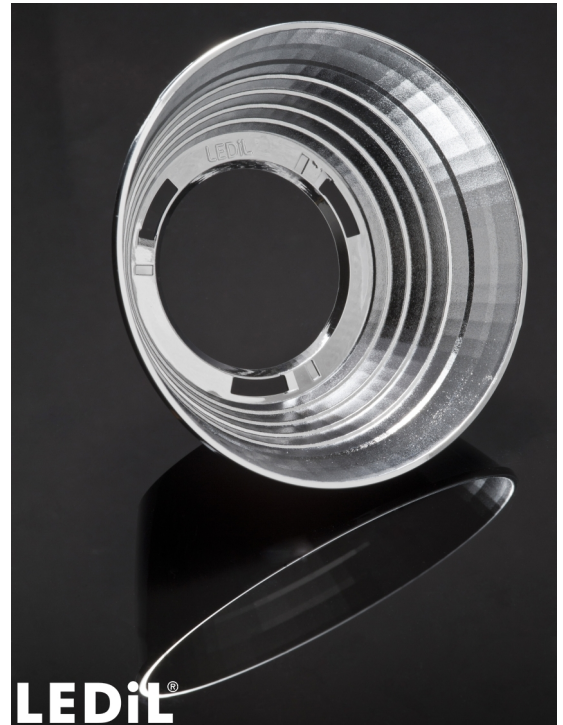
~50° wide beam compatible with BJB connectors

TECHNICAL SPECIFICATIONS:

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

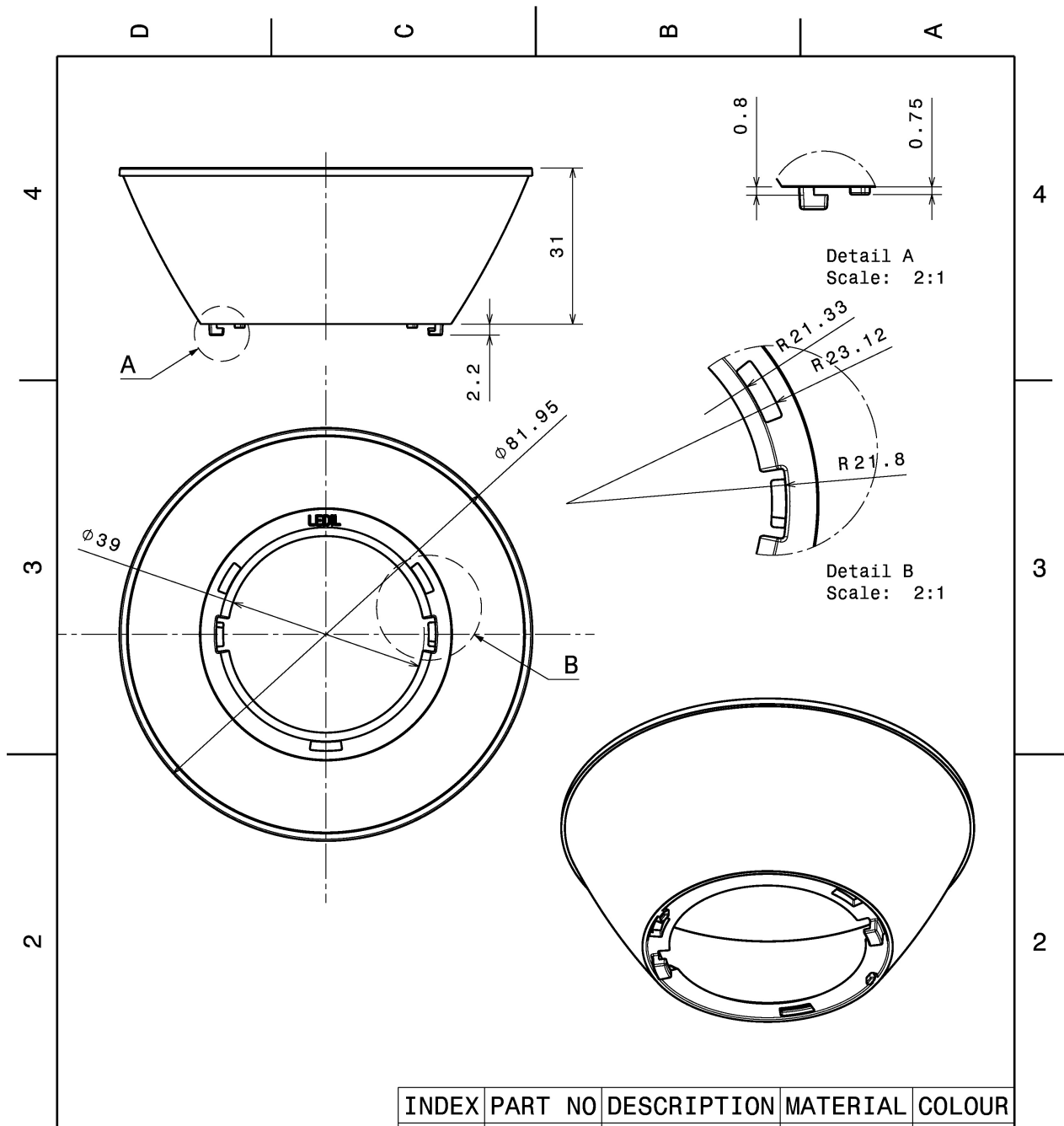
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F13661_ANGELINA-W-B » Box size: 480 x 280 x 300 mm	825	110	55	10.6



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		ANGELINA-B	PC	metal

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

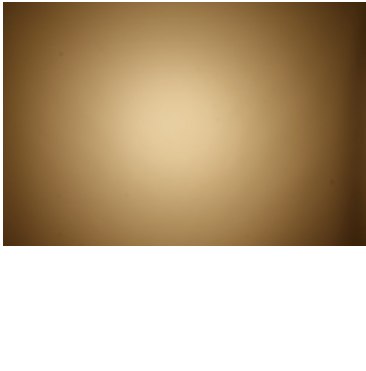
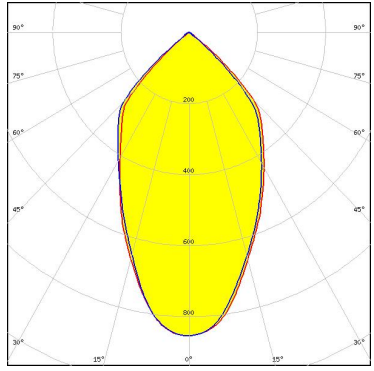
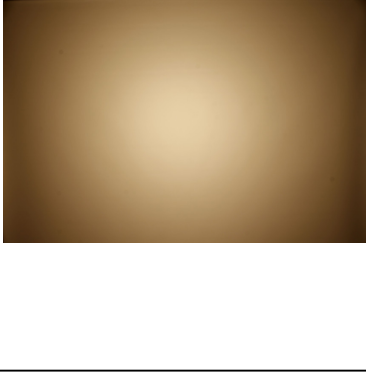
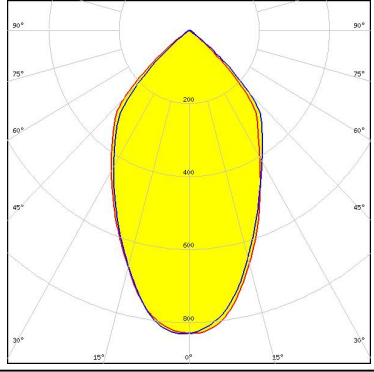
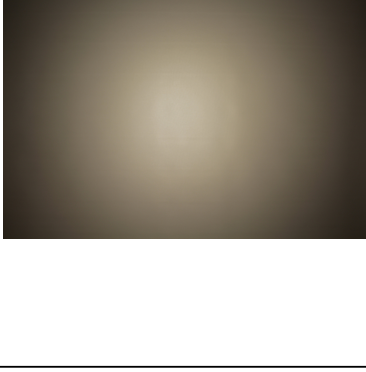
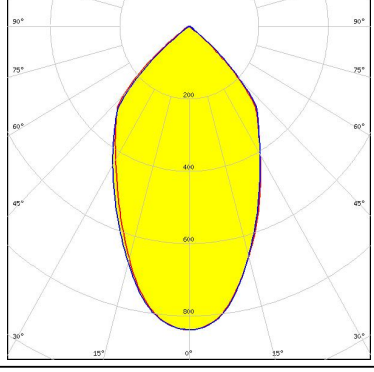
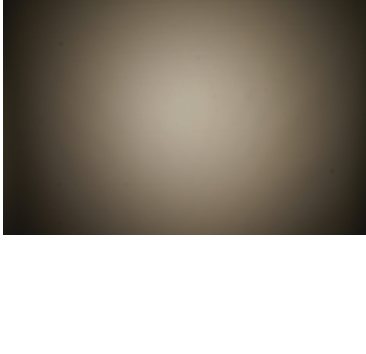
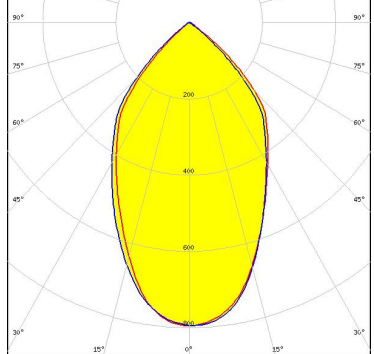
DRAWING TITLE
ANGELINA-B series Reflector

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."


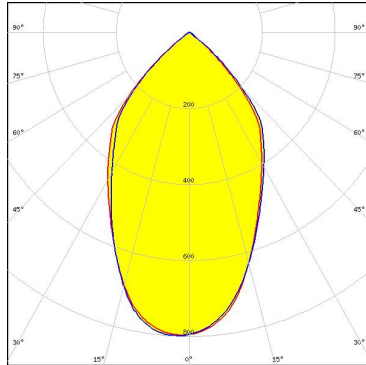
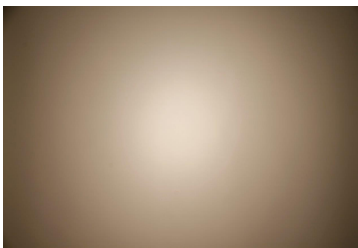
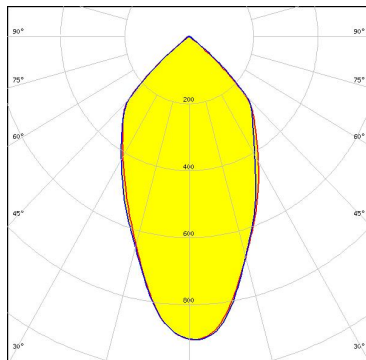
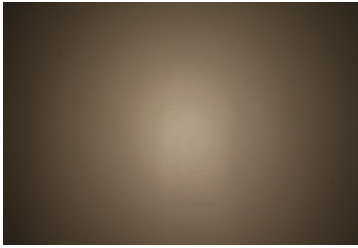
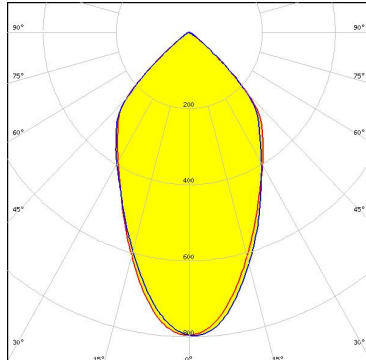
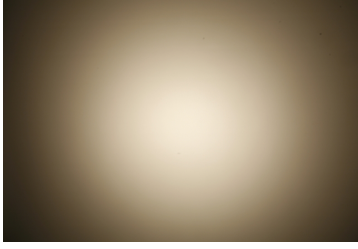
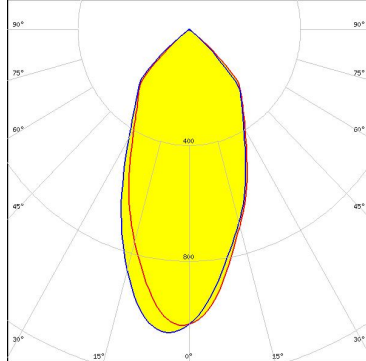
SIZE	PART NUMBER
A4	-

SCALE	1:1	WEIGHT	-	SHEET	1/1
-------	-----	--------	---	-------	-----

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V15 Gen6 FWHM 59.0° Efficiency 92 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2224</p>		
<p>bridgelux.</p> <p>LED V18 Gen6 FWHM 61.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2274</p>		
<p>bridgelux.</p> <p>LED V18 Gen7 FWHM 60.0° Efficiency 93 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2350</p>		
<p>bridgelux.</p> <p>LED V22 Gen6 FWHM 63.0° Efficiency 90 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8102/G2</p>		

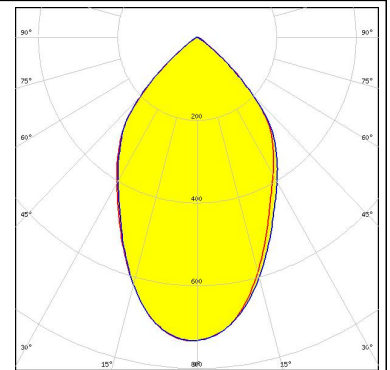
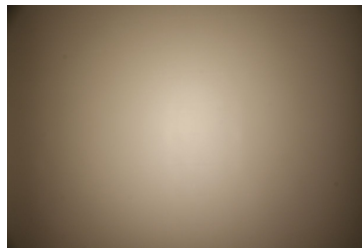
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux</p> <p>LED V22 Gen7 FWHM 63.0° Efficiency 90 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 55.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8101/G2</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 60.0° Efficiency 89 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGLE-RZ-LENS A.A.G. STUCCHI: 8101/G2</p>		
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM 49.0° Efficiency 92 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021</p>		

PHOTOMETRIC DATA (MEASURED):

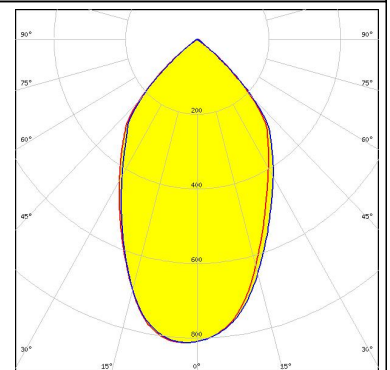
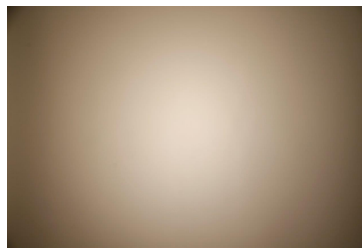
CITIZEN

LED CLL04x/CLU04x
FWHM 66.0°
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8102/G2



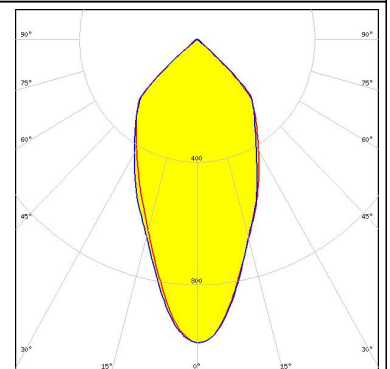
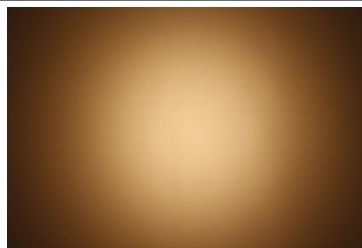
CITIZEN

LED CLL04x/CLU04x
FWHM 62.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2



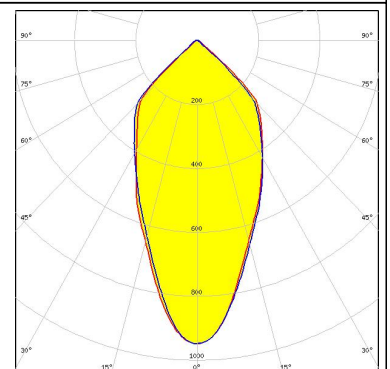
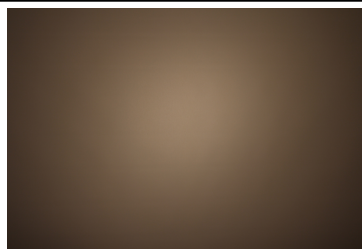
CITIZEN

LED CLU720/721
FWHM 49.0°
Efficiency 93 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



CITIZEN

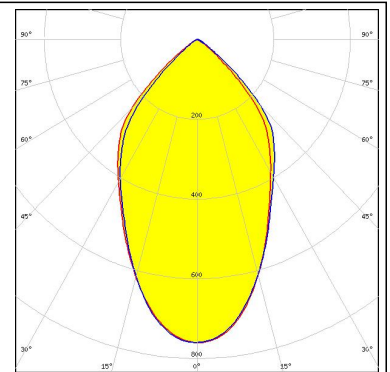
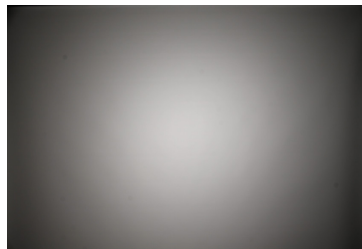
LED CLU720/721
FWHM 51.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2



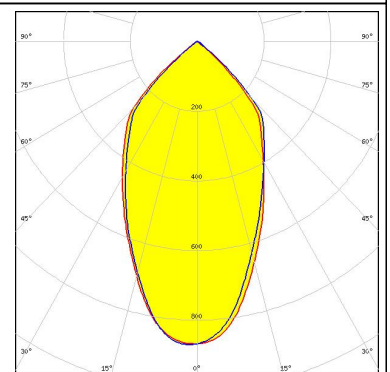
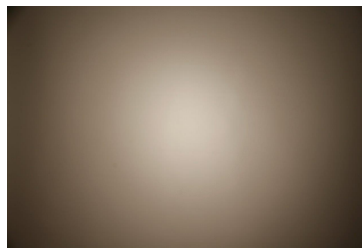
PHOTOMETRIC DATA (MEASURED):



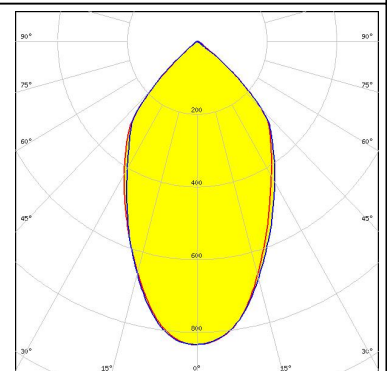
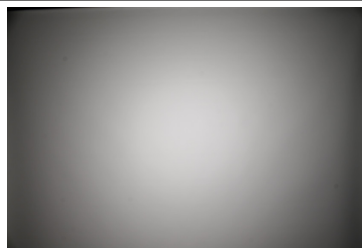
LED CXA/B 25xx
 FWHM 64.0°
 Efficiency 88 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 BJB: 47.319.2141



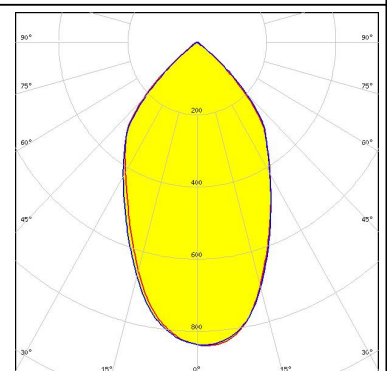
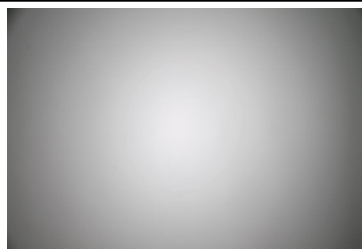
LED CXA/B 25xx
 FWHM 57.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8401/G2



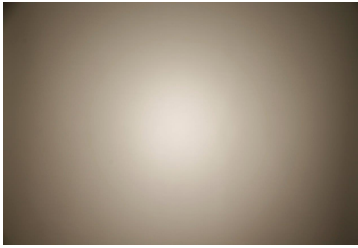
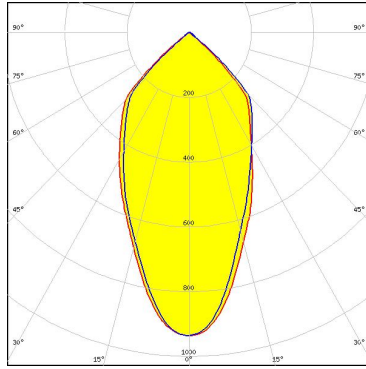

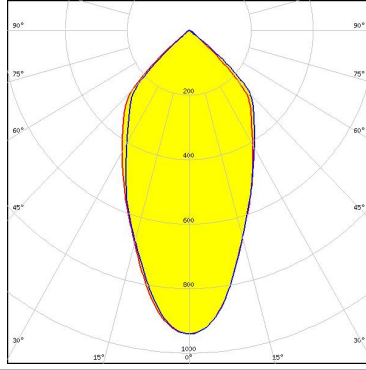
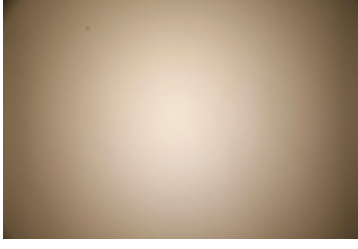
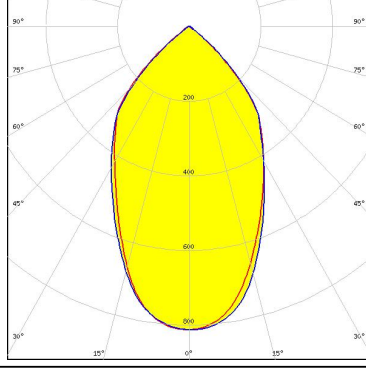
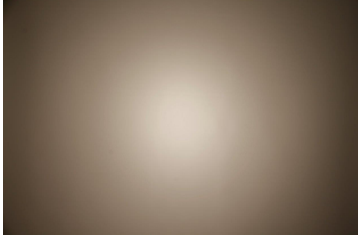
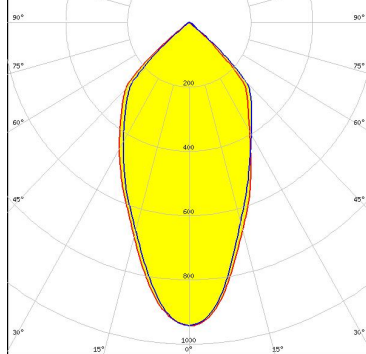
LED CXA/B 25xx
 FWHM 61.0°
 Efficiency 92 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2141



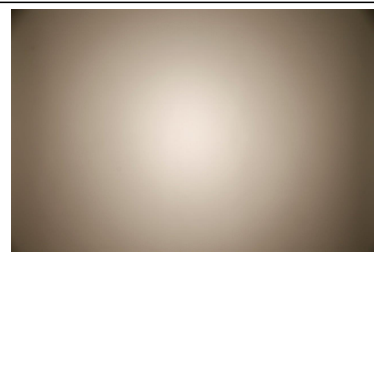
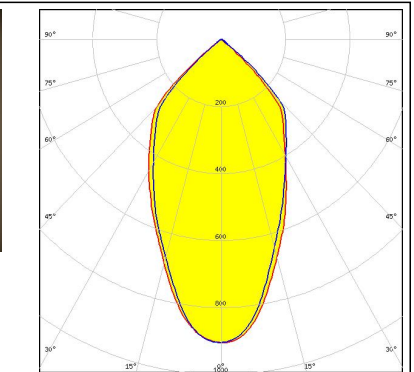
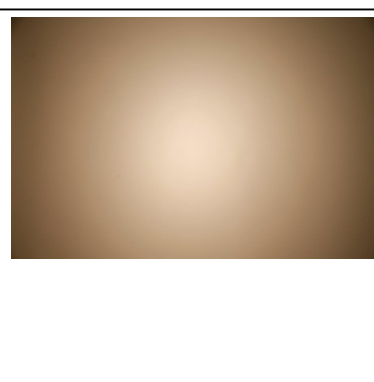
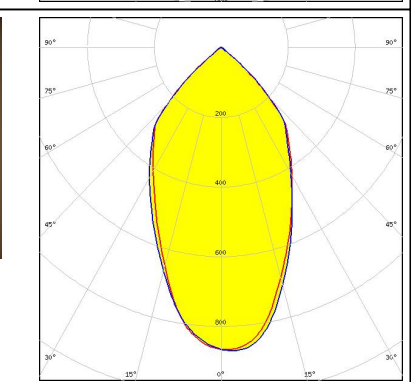
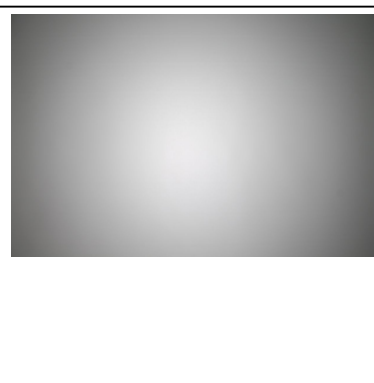
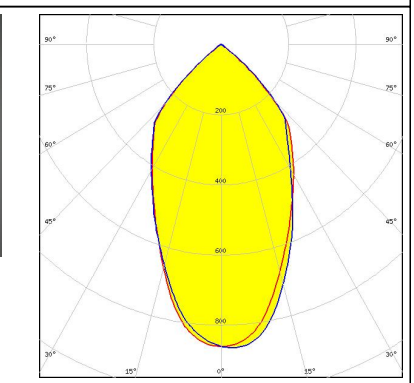
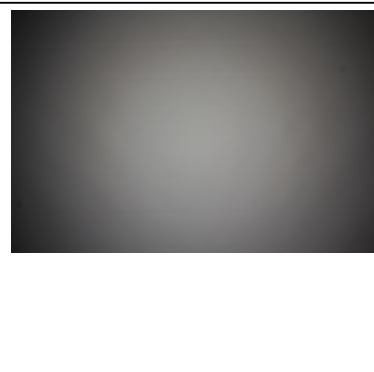
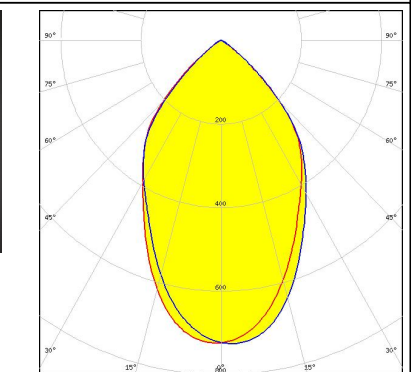
LED CXA/B 30xx
 FWHM 63.0°
 Efficiency 91 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8404/G2




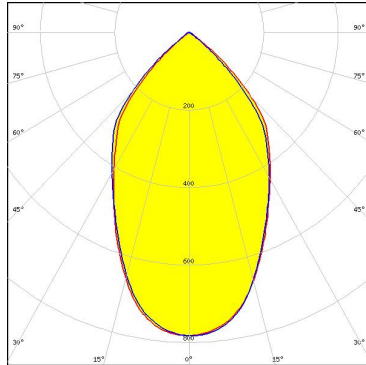
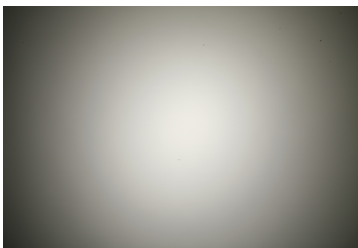
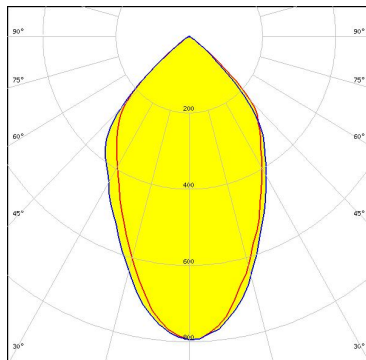

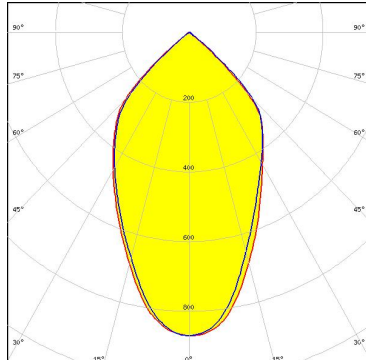
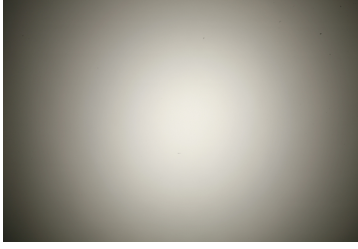
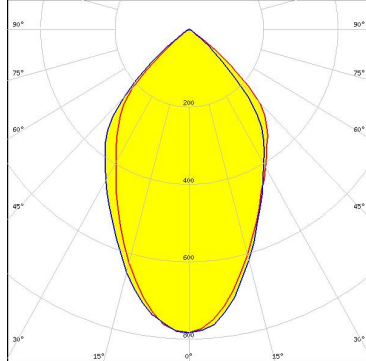
PHOTOMETRIC DATA (MEASURED):

<p>LG Innotek</p> <p>LED COB 10W/13W/17W/24W FWHM 52.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8600/G2</p>		
<p>LG Innotek</p> <p>LED COB 10W/13W/17W/24W FWHM 53.0° Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2080</p>		
<p>LG Innotek</p> <p>LED COB 40W/60W FWHM 62.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8102/G2</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1204/1205 FWHM 53.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8301/G2</p>		

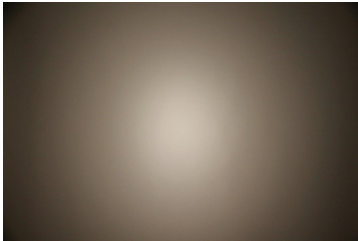
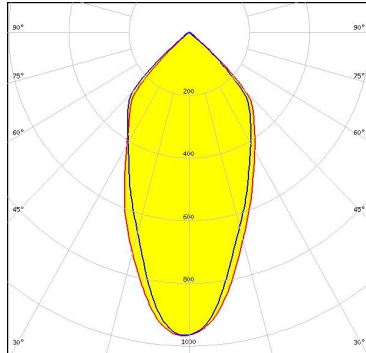
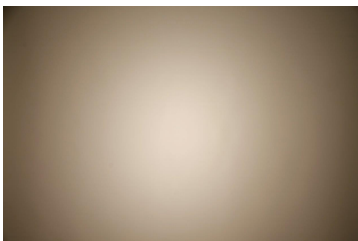
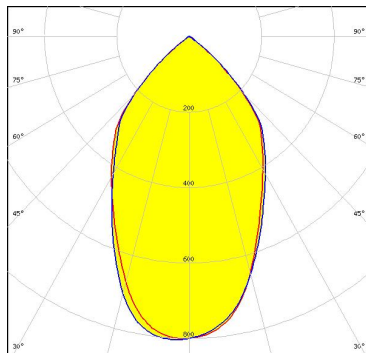
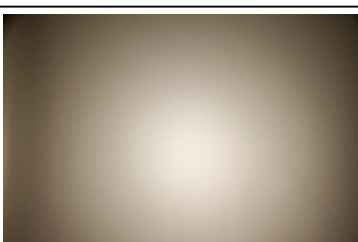
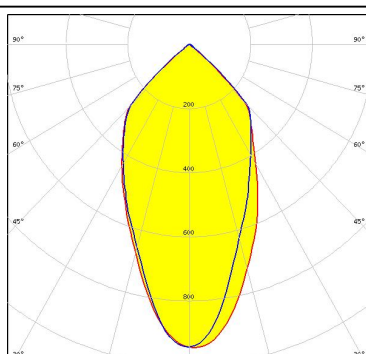
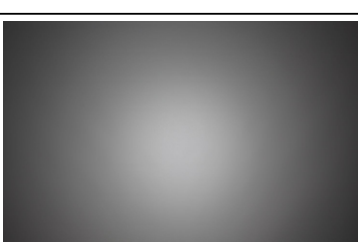
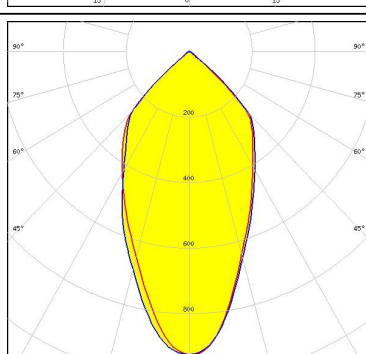
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1208</p> <p>FWHM 55.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: A.A.G. STUCCHI: 8301/G2</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1211</p> <p>FWHM 58.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: A.A.G. STUCCHI: 8102/G2</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1211</p> <p>FWHM 58.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2030</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812</p> <p>FWHM 67.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1216/1812</p> <p>FWHM 65.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2030</p>		
<p>LUMILEDS</p> <p>LED LUXEON K12</p> <p>FWHM 64.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2070</p>		
<p>LUMILEDS</p> <p>LED LUXEON K16</p> <p>FWHM 61.0°</p> <p>Efficiency %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: BJB: 47.319.2070</p>		
<p>LUMILEDS</p> <p>LED LUXEON K16</p> <p>FWHM 65.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2070</p>		

PHOTOMETRIC DATA (MEASURED):

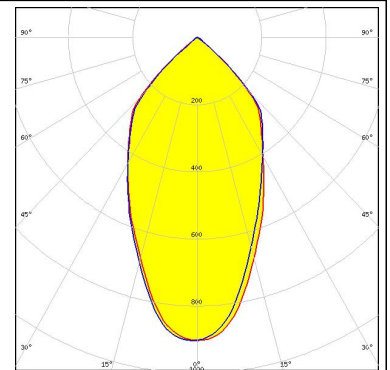
<p>LUMINUS</p> <p>LED CxM-14 (19x19) FWHM 51.0° Efficiency 93 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021</p>		
<p>LUMINUS</p> <p>LED CxM-22 (28x28) FWHM 63.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S13 FWHM 52.0° Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8502/G2</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S13 19x19 FWHM 53.0° Efficiency 93 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2021</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

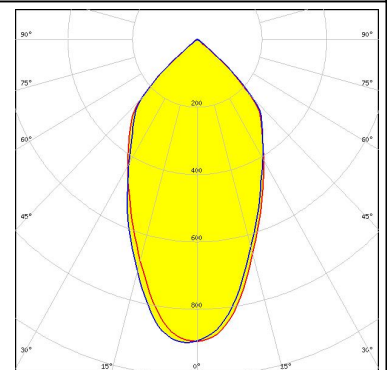
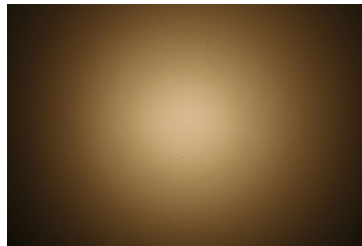
LED Soleriq S19
 FWHM 55.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8503/G2



OSRAM

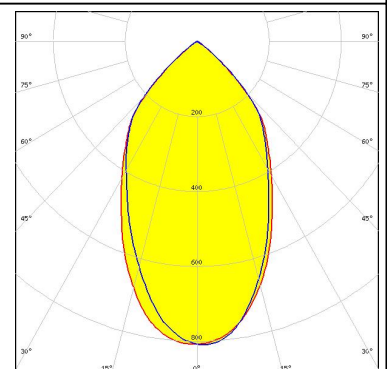
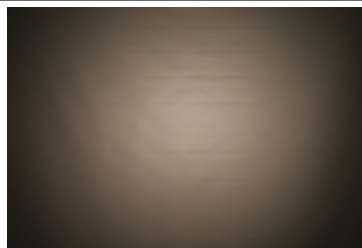
Opto Semiconductors

LED Soleriq S19
 FWHM 55.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2170



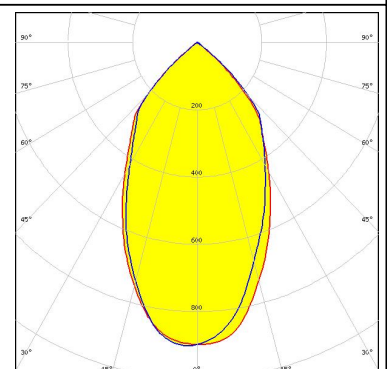
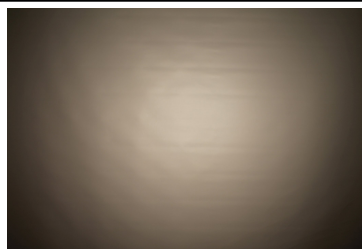
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM 60.0°
 Efficiency 88 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGLE-RZ-LENS
 BJB: 47.319.2030



PHILIPS

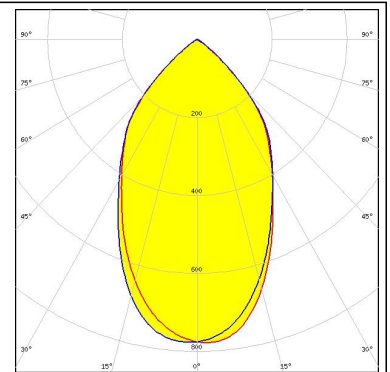
LED Fortimo SLM L19 CoB
 FWHM 58.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2030



PHOTOMETRIC DATA (MEASURED):

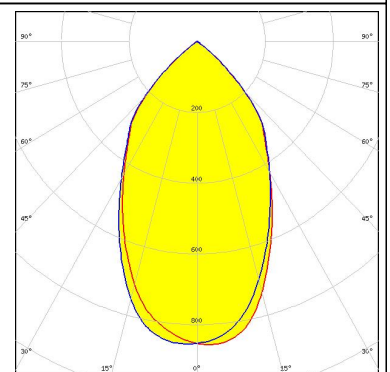
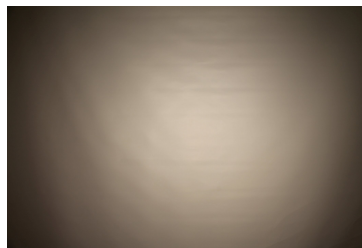
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM 62.0°
 Efficiency 88 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 BJB: 47.319.2030



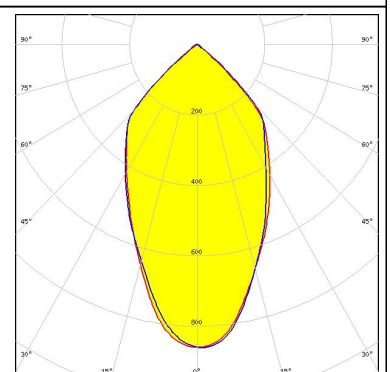
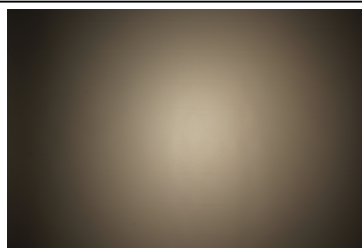
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM 60.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2030



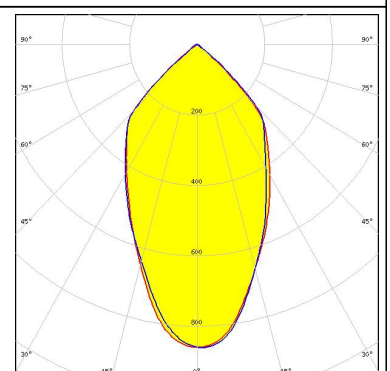
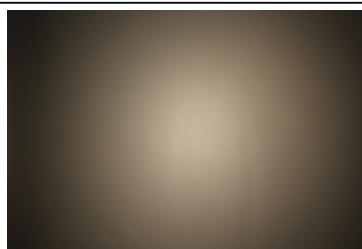
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM 59.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2021



SAMSUNG

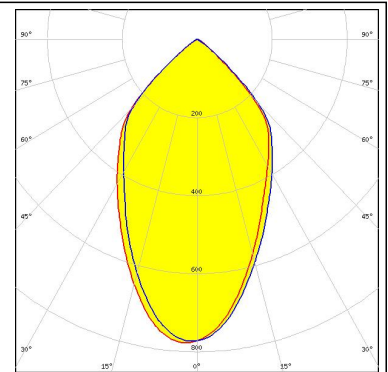
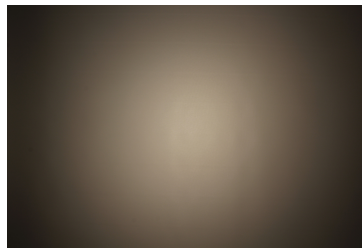
LED LC016D / LC019D / LC026D / LC033D
 FWHM 59.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8101/G2



PHOTOMETRIC DATA (MEASURED):

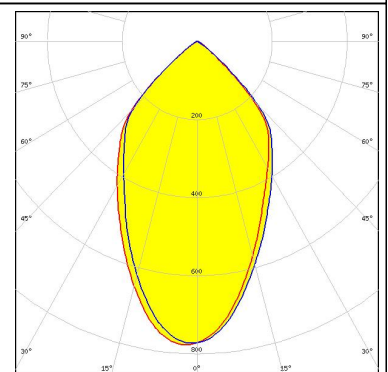
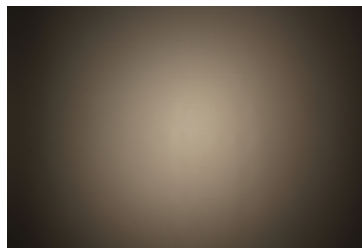
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM 62.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 BJB: 47.319.2021



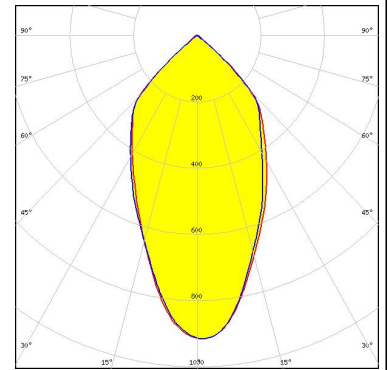
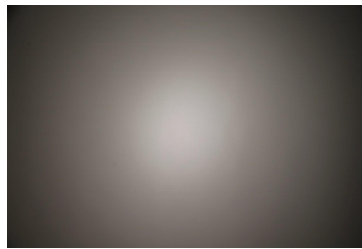
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM 62.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F13671_ANGE-RZ-LENS
 A.A.G. STUCCHI: 8101/G2



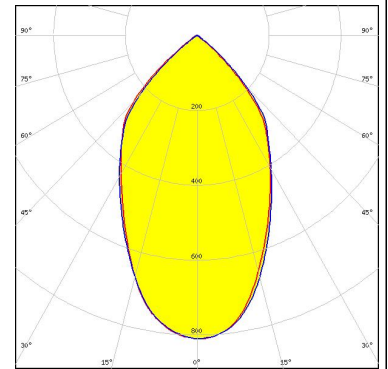
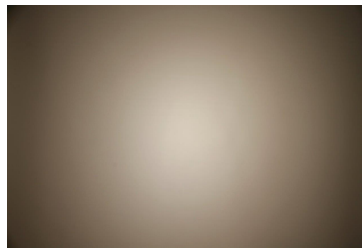
SEOUL SEMICONDUCTOR

LED ZC12/18
 FWHM 54.0°
 Efficiency 93 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8101/G2



SEOUL SEMICONDUCTOR

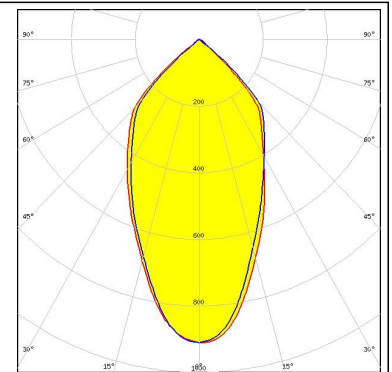
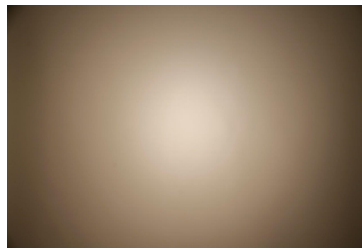
LED ZC25/40/60
 FWHM 62.0°
 Efficiency 92 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8102/G2



PHOTOMETRIC DATA (MEASURED):

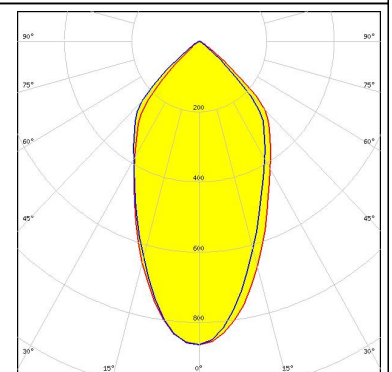
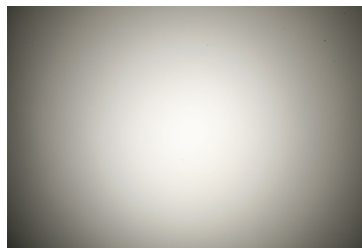
SHARP

LED Mega Zenigata (GW6DME)
FWHM 55.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2



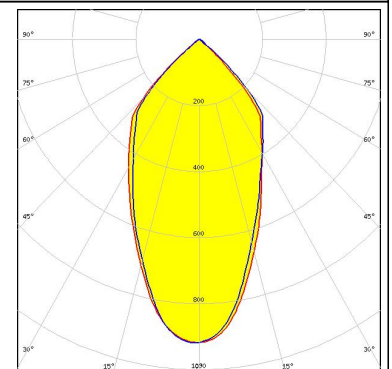
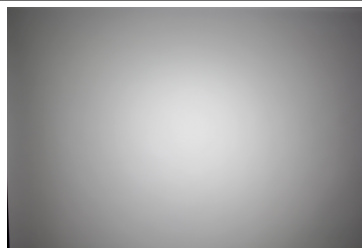
SHARP

LED Tiger Zenigata (GWTGCBG4FD)
FWHM 54.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2051



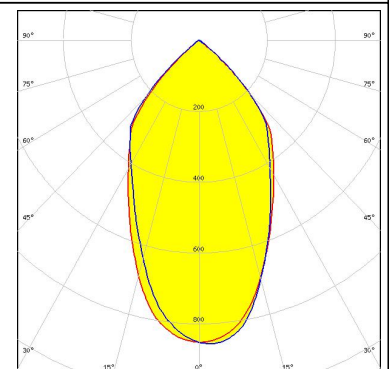
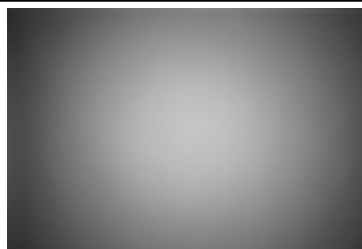
TRIDONIC

LED SLE G7 LES17 H
FWHM 53.0°
Efficiency 91 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

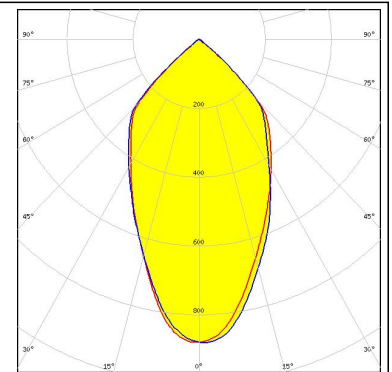
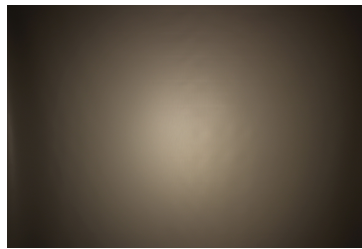
LED SLE G7 LES21 H
FWHM 59.0°
Efficiency 91 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

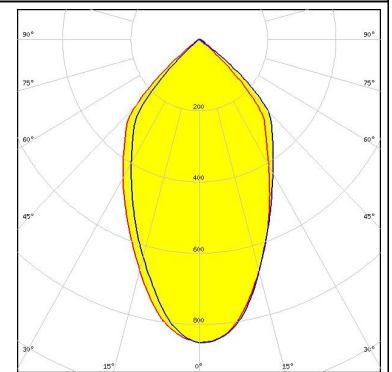
XICATO

LED XOB 14.5 mm
FWHM 57.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



XICATO

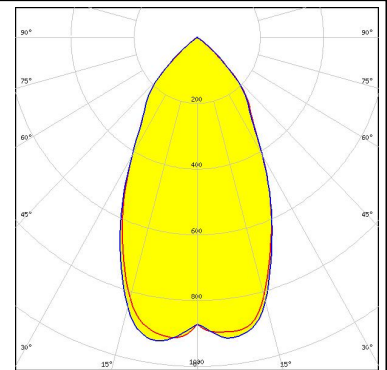
LED XTM - 19mm LES
FWHM 59.0°
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15743_XTM-ADAPTER-50-B



PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLL04x/CLU04x
FWHM 55.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

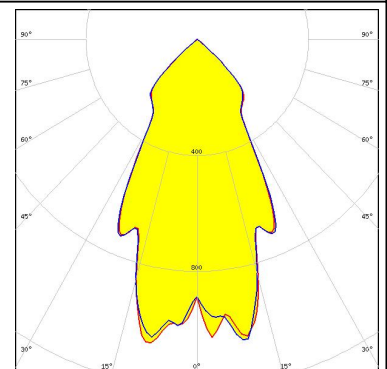


CITIZEN

LED CLL04x/CLU04x
FWHM 52.0°
Efficiency 95 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030

CITIZEN

LED CLU730/731
FWHM 52.0°
Efficiency 93 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



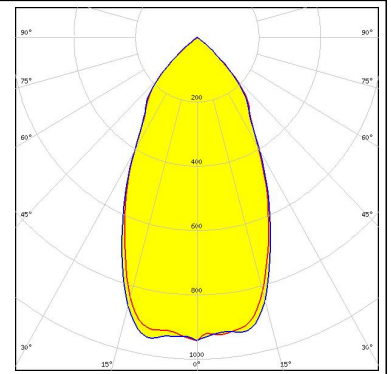
LUMILEDS

LED LUXEON K12
FWHM 46.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2070

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM	54.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
BJB: 47.319.2030	



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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

www.ledil.com/where_to_buy

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

www.ledil.com/where_to_buy

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Ledi:](#)

[F13661_ANGELINA-W-B](#)