

ANGELA-S-B

~10° spot beam compatible with BJB connectors

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 119.5 mm
Height	74.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

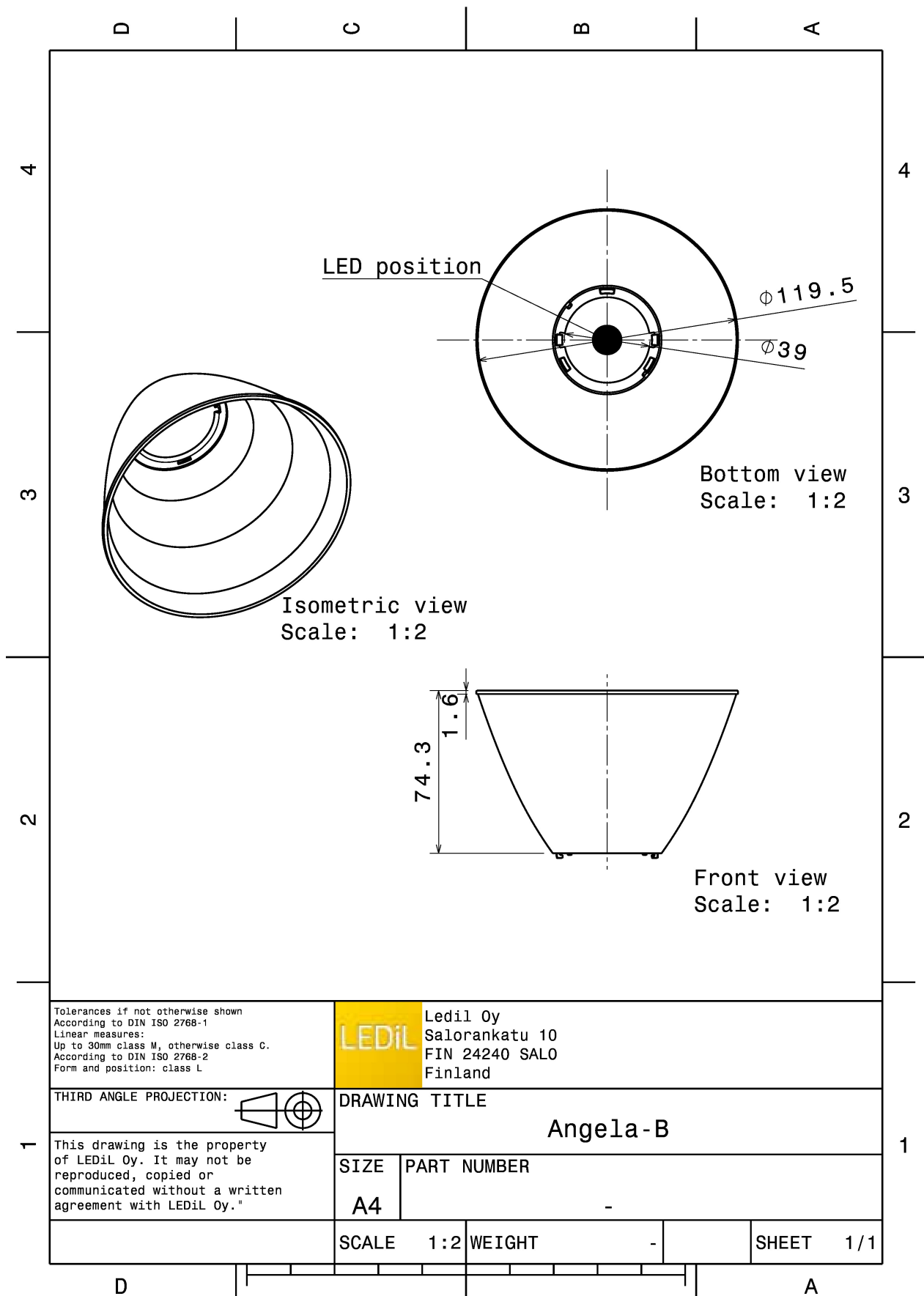
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F13662_ANGELA-S-B » Box size: 398 x 298 x 265 mm	180	90	45	8.6

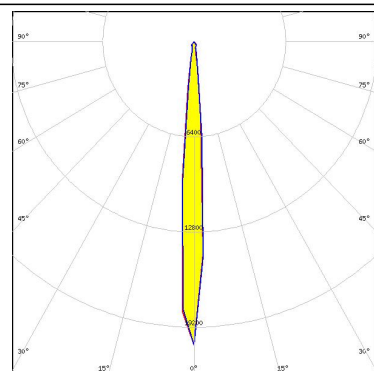
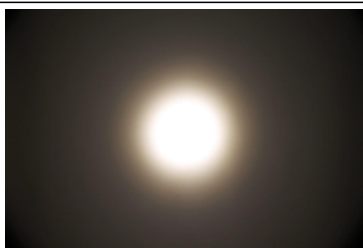




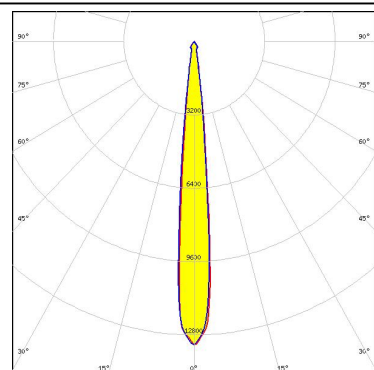
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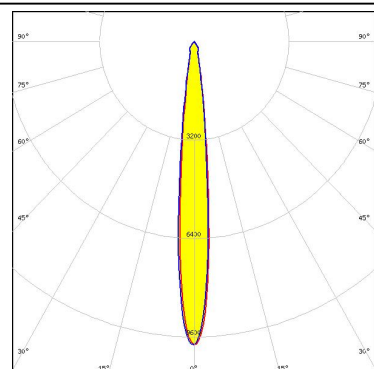
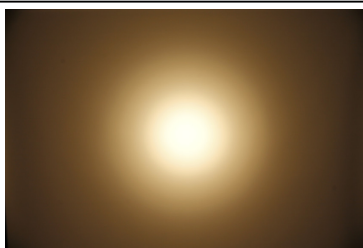
LED BXRA ES Rectangle
FWHM 8.0°
Efficiency 94 %
Peak intensity 20.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2040



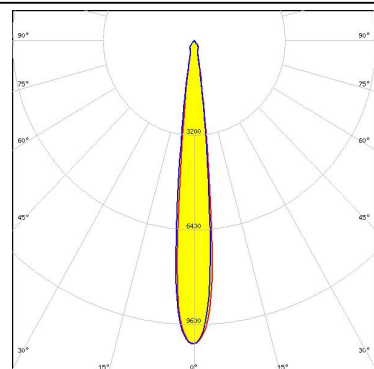
LED V15 Gen6
FWHM 11.0°
Efficiency 89 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2224



LED V15 Gen6
FWHM 11.0°
Efficiency 86 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2274



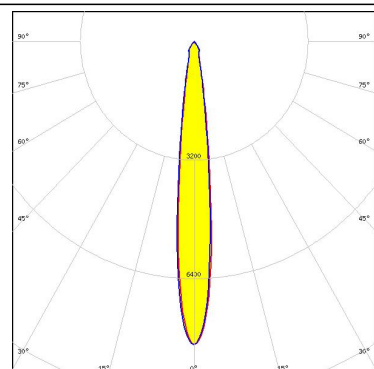
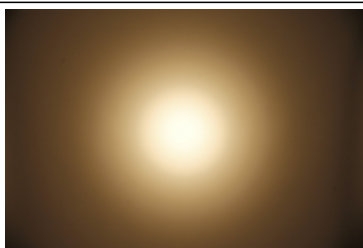
LED V18 Gen6
FWHM 12.0°
Efficiency 89 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2274



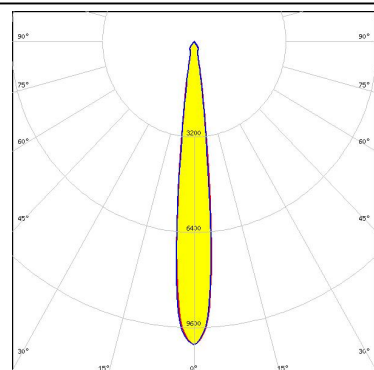
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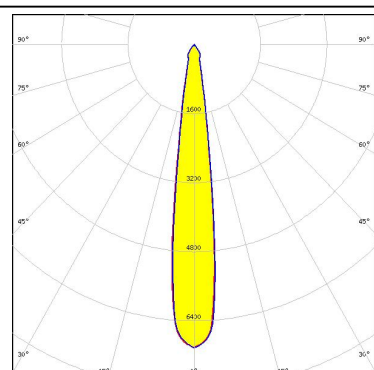
LED V18 Gen6
FWHM 13.0°
Efficiency 86 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2274



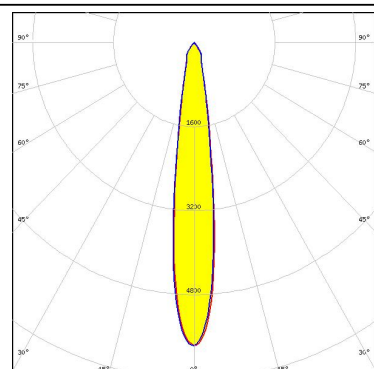
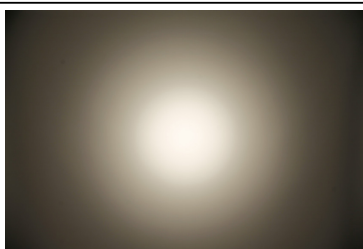
LED V18 Gen7
FWHM 12.0°
Efficiency 91 %
Peak intensity 10.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2350



LED V22 Gen6
FWHM 15.0°
Efficiency 88 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2



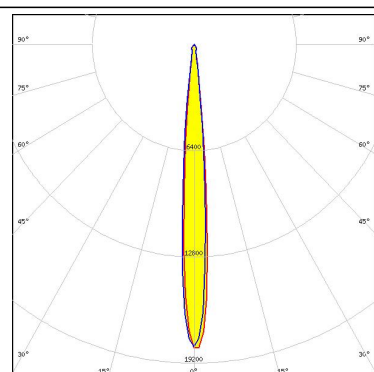
LED V22 Gen6
FWHM 15.0°
Efficiency 84 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8102/G2



PHOTOMETRIC DATA (MEASURED):

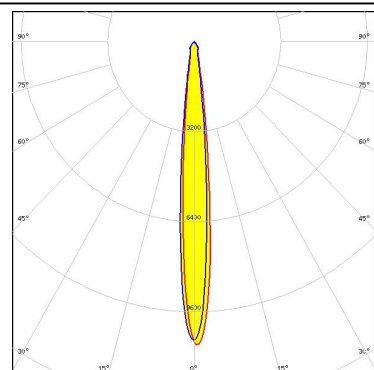
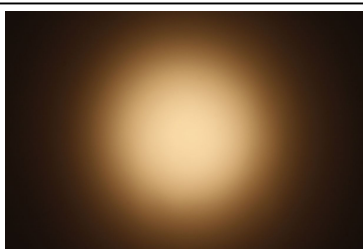
CITIZEN

LED CLL03x/CLU03x
FWHM 9.0°
Efficiency 94 %
Peak intensity 18.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



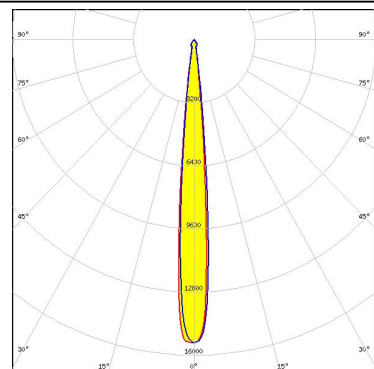
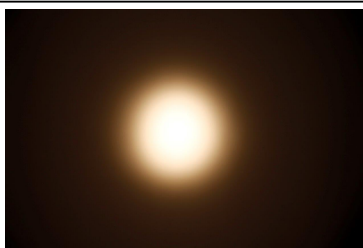
CITIZEN

LED CLL03x/CLU03x
FWHM 10.0°
Efficiency 86 %
Peak intensity 10.8 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101/G2



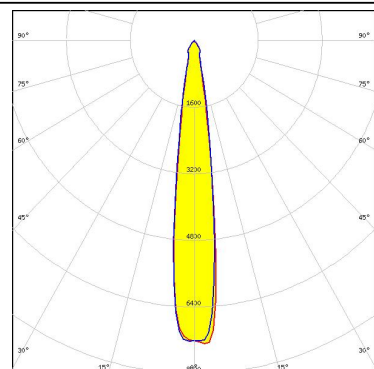
CITIZEN

LED CLL03x/CLU03x
FWHM 10.0°
Efficiency 93 %
Peak intensity 15.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2



CITIZEN

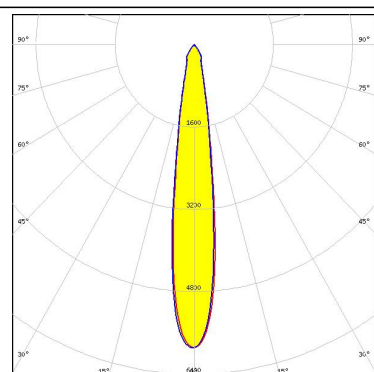
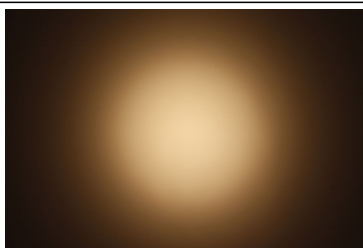
LED CLL04x/CLU04x
FWHM 15.0°
Efficiency 92 %
Peak intensity 7.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



PHOTOMETRIC DATA (MEASURED):

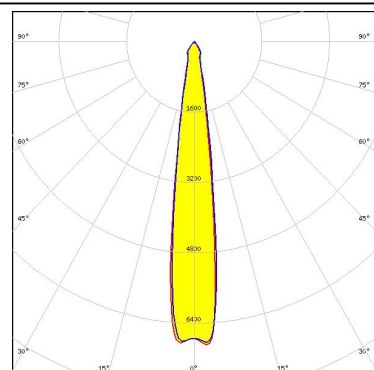
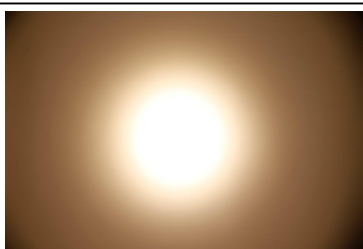
CITIZEN

LED CLL04x/CLU04x
FWHM 15.0°
Efficiency 86 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8102/G2



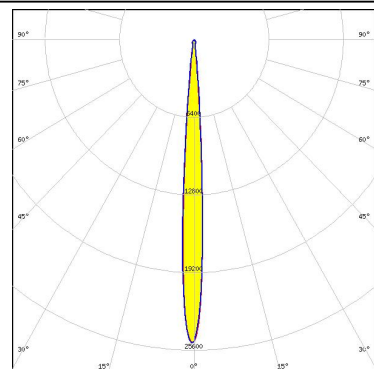
CITIZEN

LED CLL04x/CLU04x
FWHM 15.0°
Efficiency 92 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2



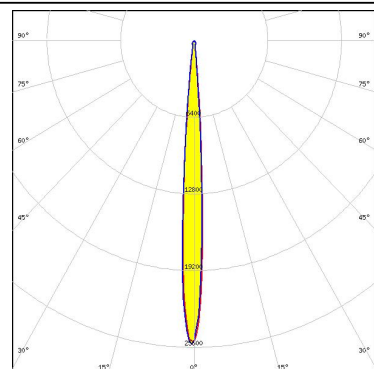
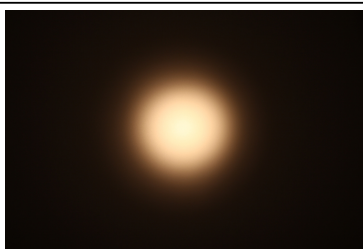
CITIZEN

LED CLU720/721
FWHM 7.0°
Efficiency 94 %
Peak intensity 25 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2



CITIZEN

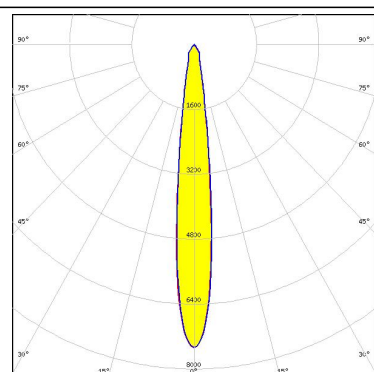
LED CLU720/721
FWHM 7.0°
Efficiency 94 %
Peak intensity 25.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



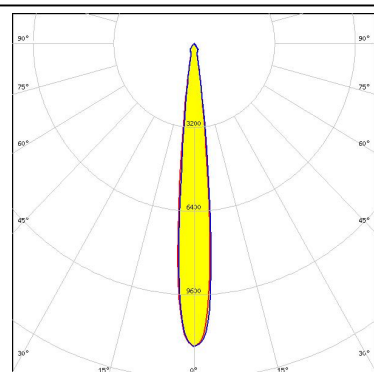
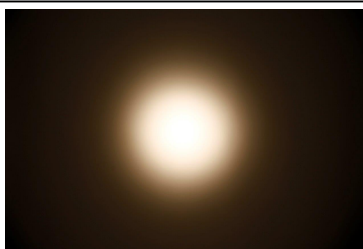
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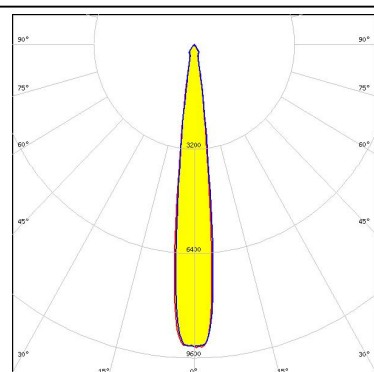
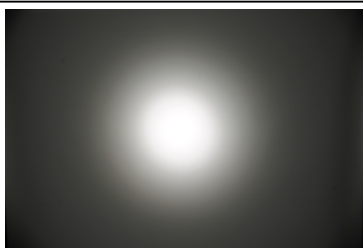
LED CXA/B 25xx
FWHM 13.0°
Efficiency 86 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2141



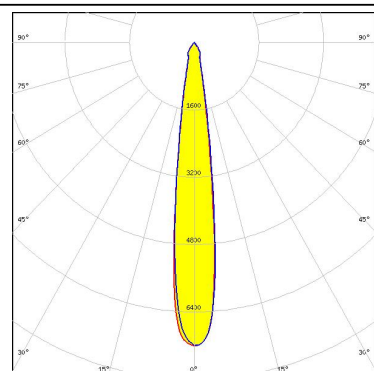
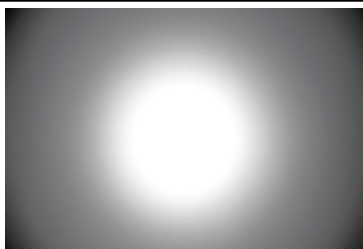
LED CXA/B 25xx
FWHM 11.0°
Efficiency 92 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8401/G2



LED CXA/B 25xx
FWHM 13.0°
Efficiency 89 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2141



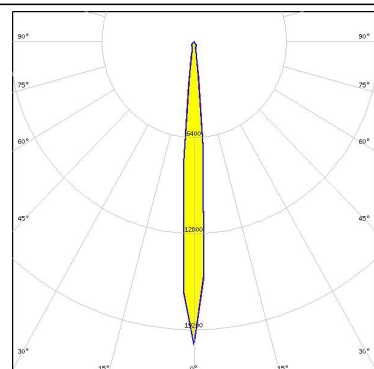
LED CXA/B 30xx
FWHM 15.0°
Efficiency 91 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8404/G2



PHOTOMETRIC DATA (MEASURED):

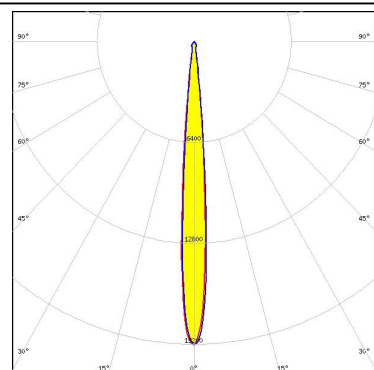
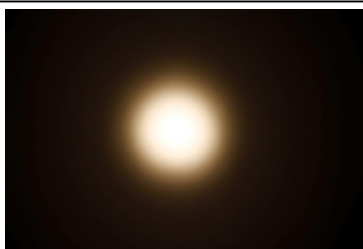
LG Innotek

LED COB 10W/13W/17W/24W
FWHM 8.0°
Efficiency 94 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2080



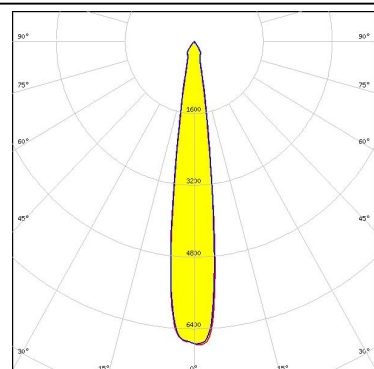
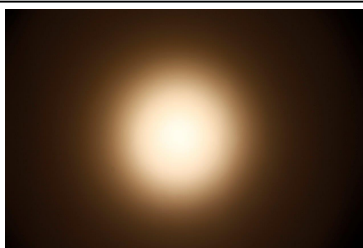
LG Innotek

LED COB 10W/13W/17W/24W
FWHM 9.0°
Efficiency 93 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8600/G2



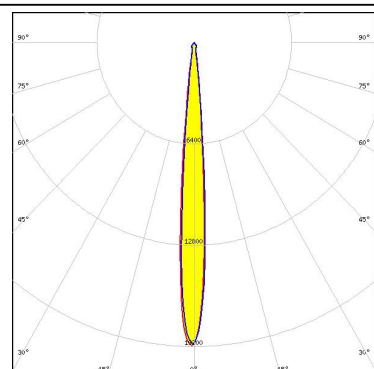
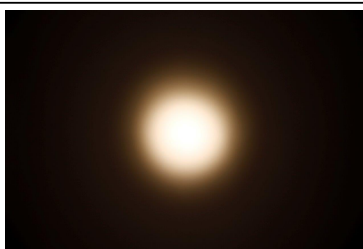
LG Innotek

LED COB 40W/60W
FWHM 15.0°
Efficiency 91 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2



LUMILEDS

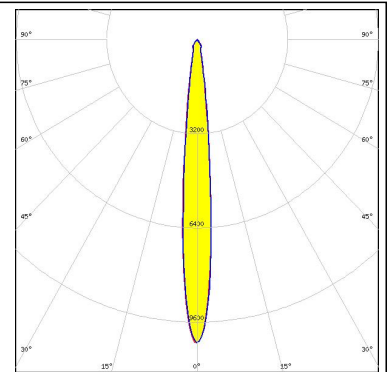
LED LUXEON CoB 1204/1205
FWHM 9.0°
Efficiency 93 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2



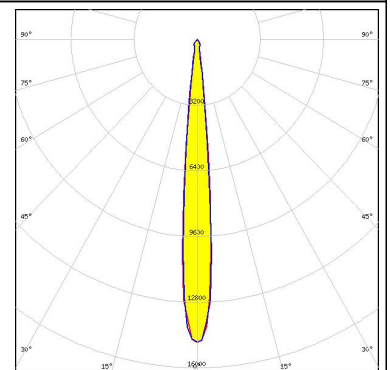
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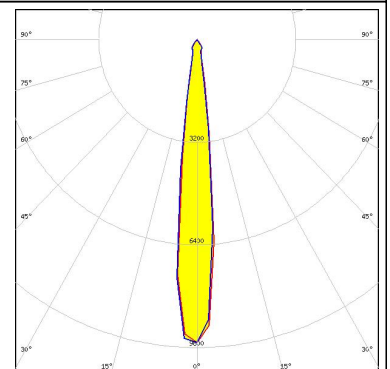
LED LUXEON CoB 1208
FWHM 11.0°
Efficiency 86 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8301/G2



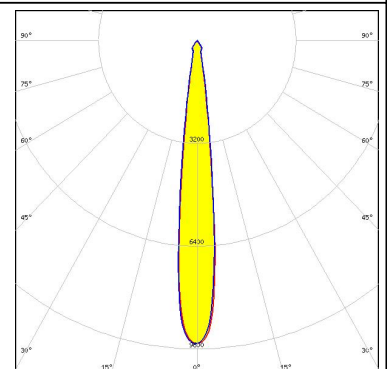
LED LUXEON CoB 1208
FWHM 10.0°
Efficiency 94 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8301/G2



LED LUXEON CoB 1211
FWHM 13.0°
Efficiency 91 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8102/G2



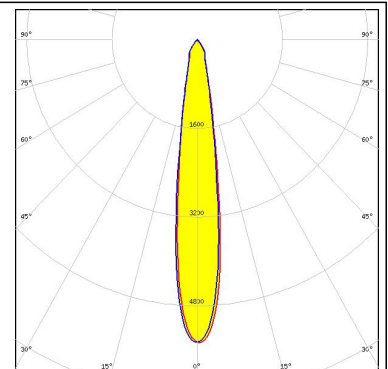
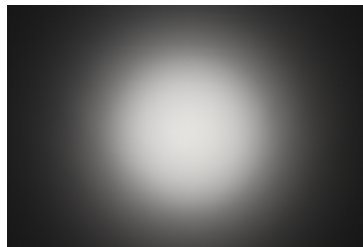
LED LUXEON CoB 1211
FWHM 13.0°
Efficiency 90 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



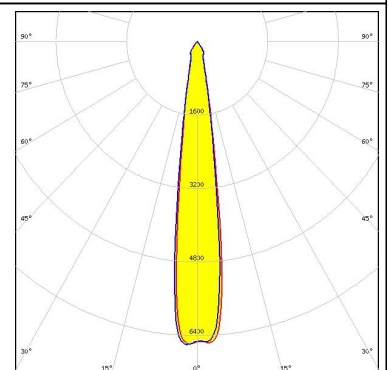
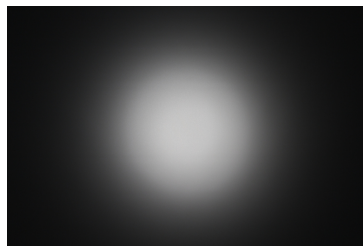
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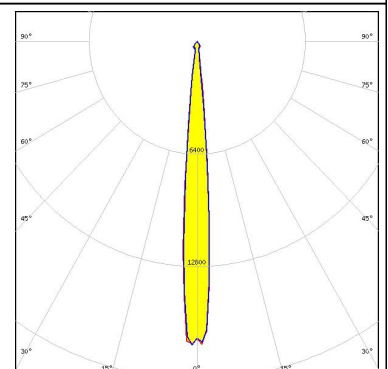
LED LUXEON CoB 1216/1812
FWHM 16.0°
Efficiency 85 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



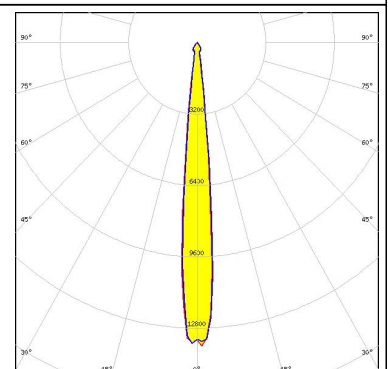
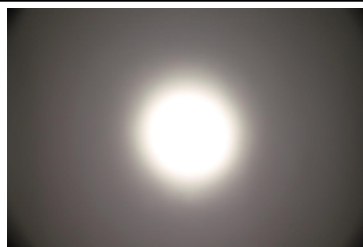
LED LUXEON CoB 1216/1812
FWHM 15.0°
Efficiency 89 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



LED LUXEON K12
FWHM 9.0°
Efficiency 94 %
Peak intensity 17.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2070



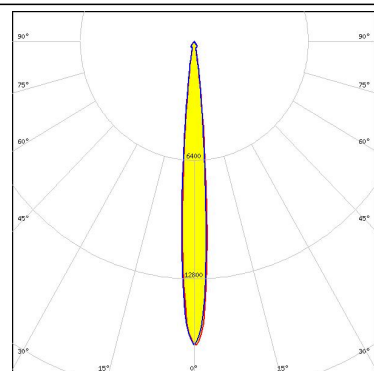
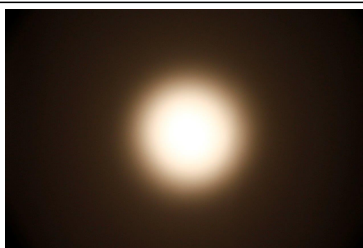
LED LUXEON K16
FWHM 11.0°
Efficiency 94 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2070



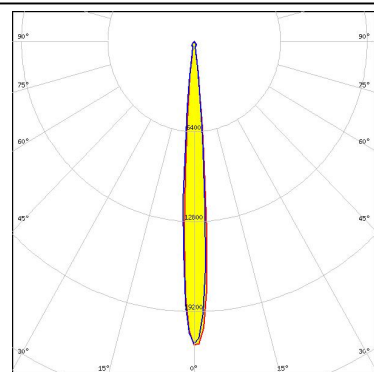
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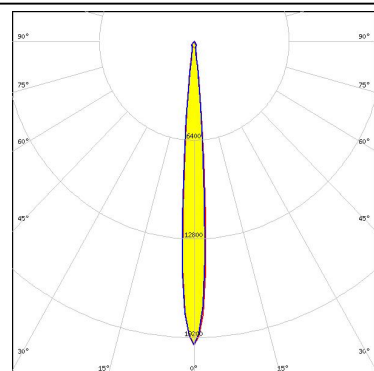
LED CxM-14 (19x19)
FWHM 9.0°
Efficiency 93 %
Peak intensity 16.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



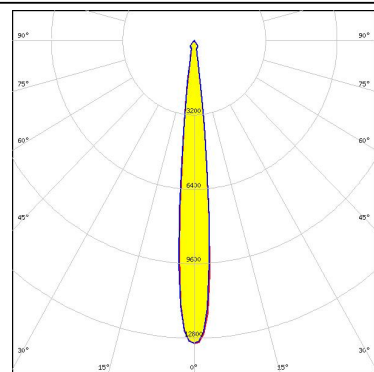
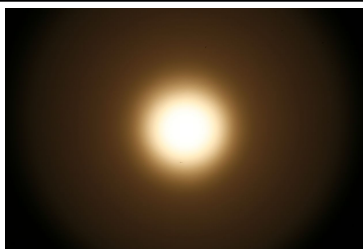
LED Soleriq S13
FWHM 8.0°
Efficiency 94 %
Peak intensity 21.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8502/G2



LED Soleriq S13 19x19
FWHM 8.5°
Efficiency 89 %
Peak intensity 19.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



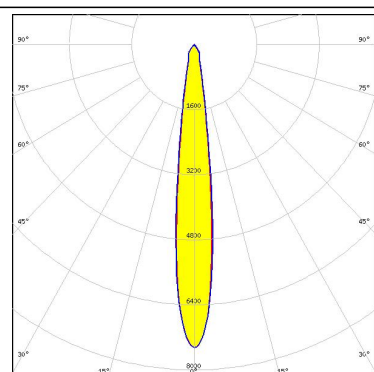
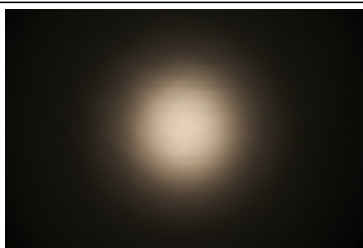
LED Soleriq S19
FWHM 11.0°
Efficiency 93 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2170



PHOTOMETRIC DATA (MEASURED):

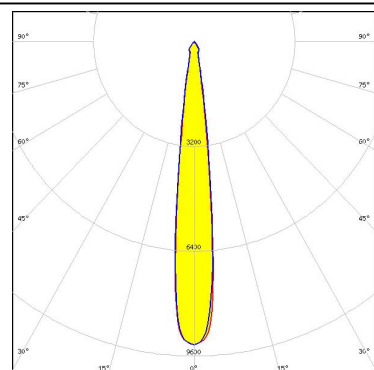
PHILIPS

LED Fortimo SLM L19 CoB
FWHM 13.0°
Efficiency 86 %
Peak intensity 7.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



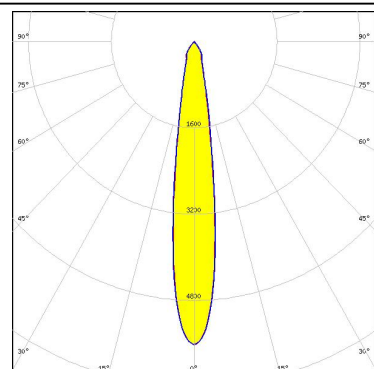
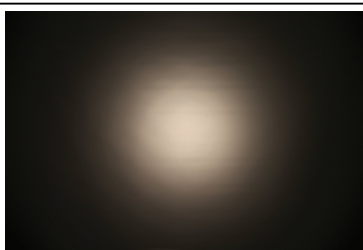
PHILIPS

LED Fortimo SLM L19 CoB
FWHM 13.0°
Efficiency 91 %
Peak intensity 9.3 cd/Im
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



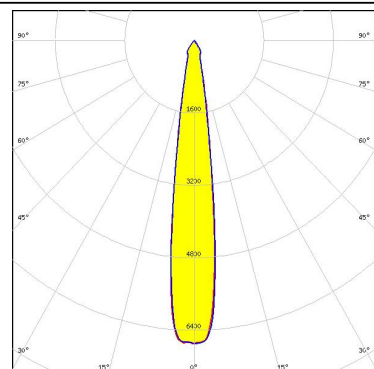
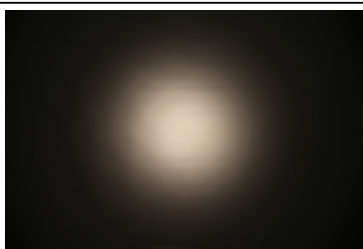
PHILIPS

LED Fortimo SLM L23 CoB
FWHM 16.0°
Efficiency 86 %
Peak intensity 5.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2030



PHILIPS

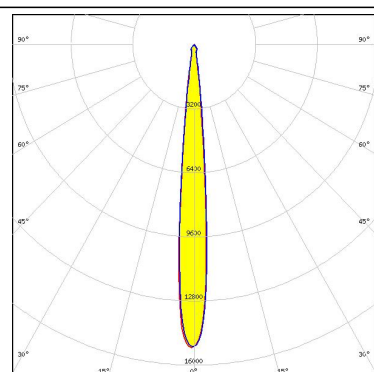
LED Fortimo SLM L23 CoB
FWHM 15.0°
Efficiency 91 %
Peak intensity 6.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



PHOTOMETRIC DATA (MEASURED):

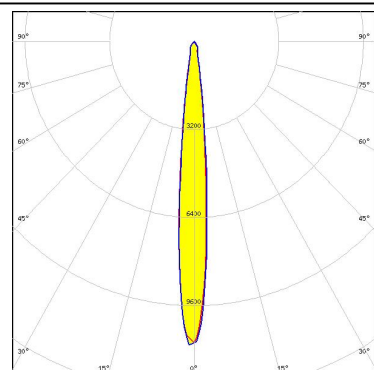
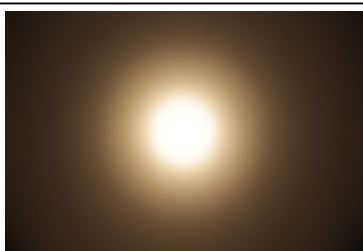
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM 10.0°
Efficiency 91 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



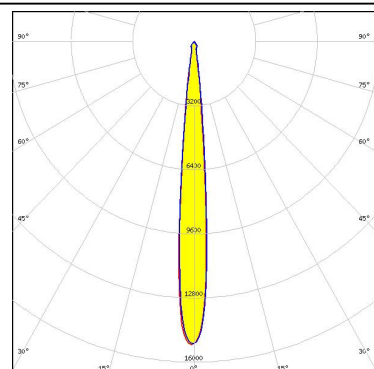
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM 11.0°
Efficiency 87 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
BJB: 47.319.2021



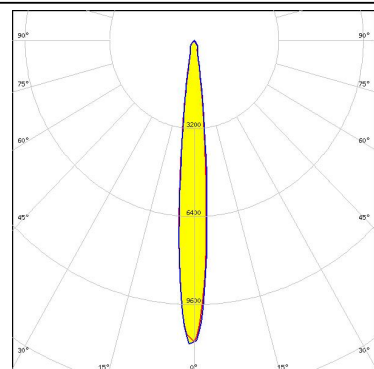
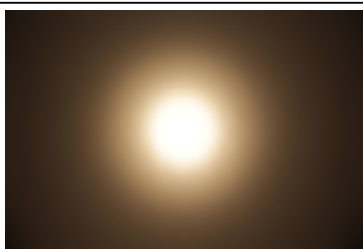
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM 10.0°
Efficiency 91 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
A.A.G. STUCCHI: 8101/G2



SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
FWHM 11.0°
Efficiency 87 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F13671_ANGE-RZ-LENS
A.A.G. STUCCHI: 8101/G2



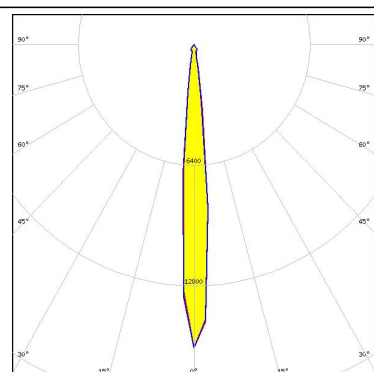
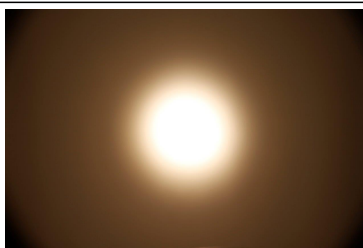
PHOTOMETRIC DATA (MEASURED):

SEOL SEOUL SEMICONDUCTOR LED ZC12/18 FWHM 9.0° Efficiency 93 % Peak intensity 18.4 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8101/G2		
SEOL SEOUL SEMICONDUCTOR LED ZC25/40/60 FWHM 14.0° Efficiency 91 % Peak intensity 7.7 cd/lm LEDs/each optic 1 Light colour White Required components: A.A.G. STUCCHI: 8102/G2		
SEOL SEOUL SEMICONDUCTOR LED ZC25/40/60 FWHM 16.0° Efficiency 87 % Peak intensity 6.2 cd/lm LEDs/each optic 1 Light colour White Required components: F13671_ANGE-RZ-LENS BJB: 47.319.2030		
SEOL SEOUL SEMICONDUCTOR LED ZC25/40/60 FWHM 14.0° Efficiency 93 % Peak intensity 7.7 cd/lm LEDs/each optic 1 Light colour White Required components: BJB: 47.319.2030		

PHOTOMETRIC DATA (MEASURED):

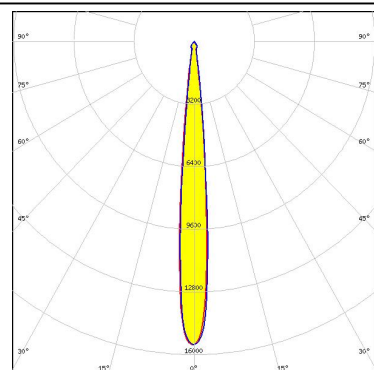
SHARP

LED Mega Zenigata (GW6DME)
 FWHM 10.0°
 Efficiency 94 %
 Peak intensity 16.1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.319.2011



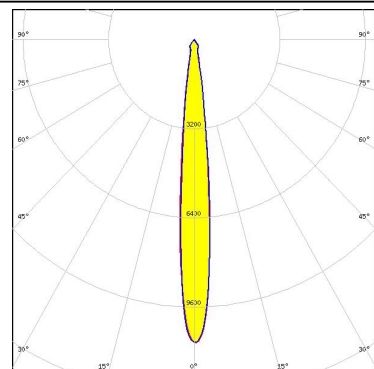
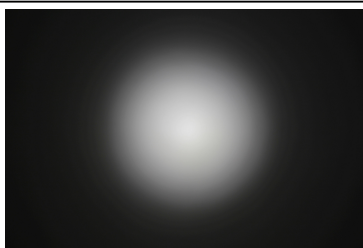
SHARP

LED Mega Zenigata (GW6DME)
 FWHM 10.0°
 Efficiency 94 %
 Peak intensity 15.5 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 A.A.G. STUCCHI: 8301/G2



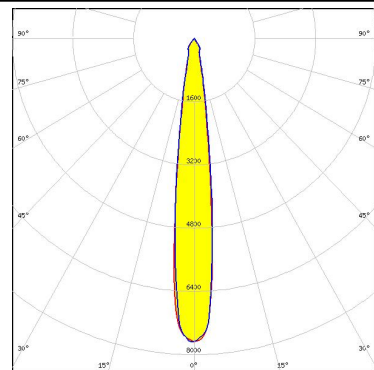
TRIDONIC

LED SLE G7 LES17 H
 FWHM 11.0°
 Efficiency 90 %
 Peak intensity 10.9 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

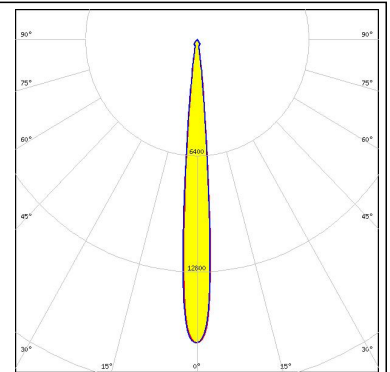
LED SLE G7 LES21 H
 FWHM 14.0°
 Efficiency 90 %
 Peak intensity 7.7 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

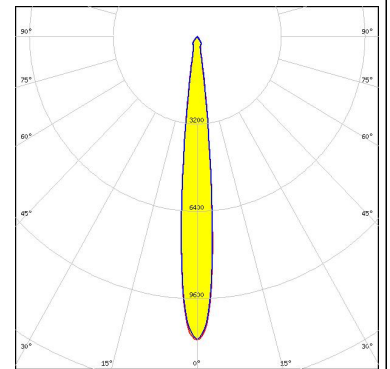
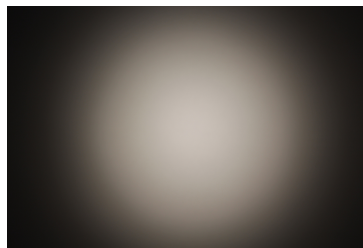
XICATO

LED XOB 14.5 mm
FWHM 9.0°
Efficiency 92 %
Peak intensity 16.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



XICATO

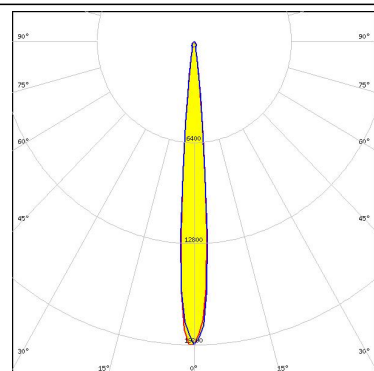
LED XTM - 19mm LES
FWHM 12.0°
Efficiency 91 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15743_XTM-ADAPTER-50-B



PHOTOMETRIC DATA (SIMULATED):

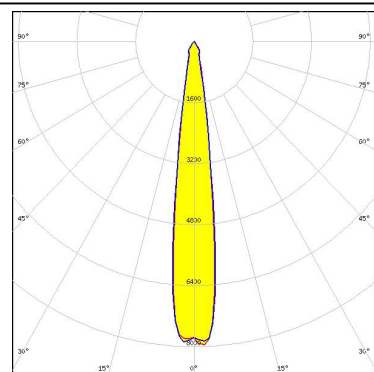
CITIZEN

LED CLL03x/CLU03x
FWHM 9.3°
Efficiency 94 %
Peak intensity 19.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



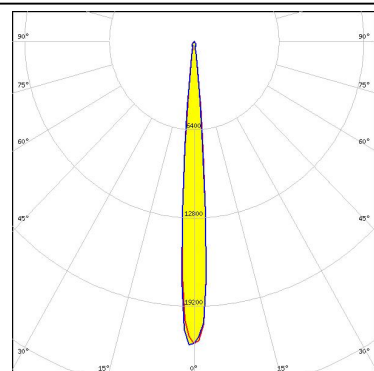
CITIZEN

LED CLL04x/CLU04x
FWHM 14.0°
Efficiency 93 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



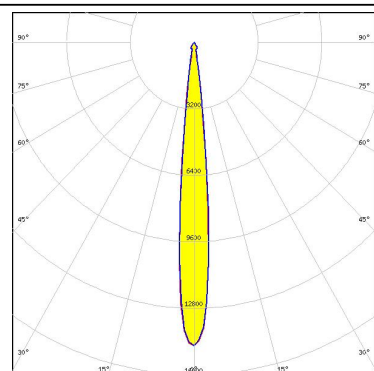
CITIZEN

LED CLU730/731
FWHM 8.5°
Efficiency 92 %
Peak intensity 22.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2030



OSRAM

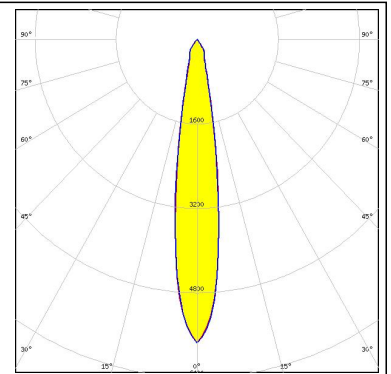
Opto Semiconductors
LED Soleriq S15
FWHM 10.0°
Efficiency 90 %
Peak intensity 14.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.319.2021



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM	17.0°
Efficiency	87 %
Peak intensity	5.8 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.

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Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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Электронная почта: sales@st-electron.ru

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