



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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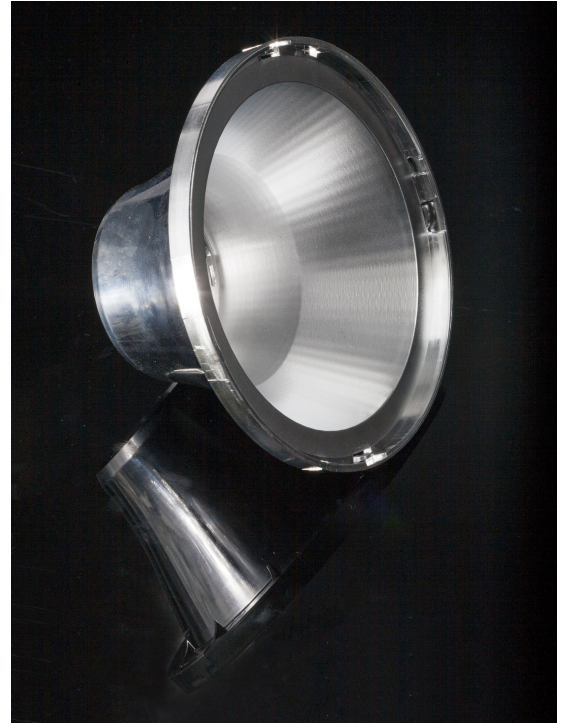


ANGELETTE-M2

~35° medium beam

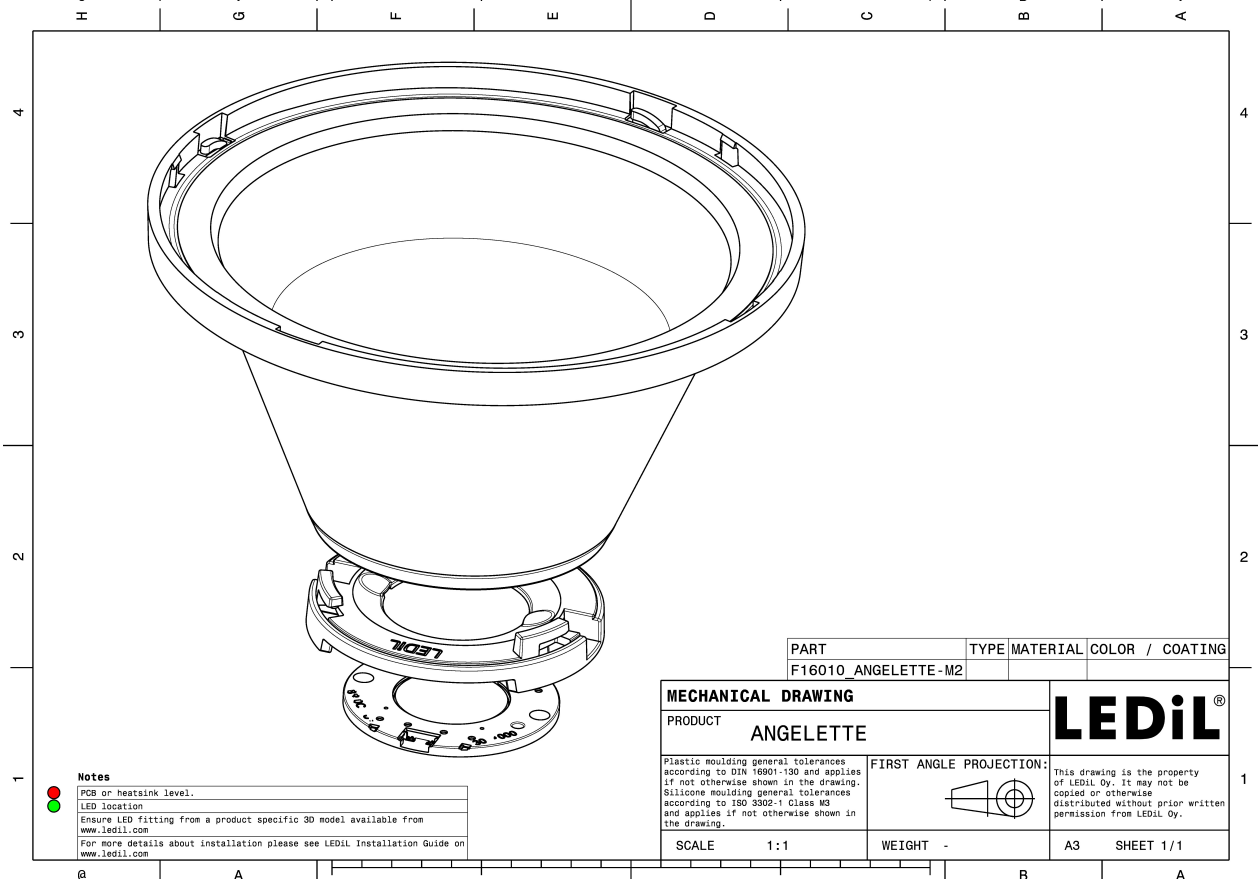
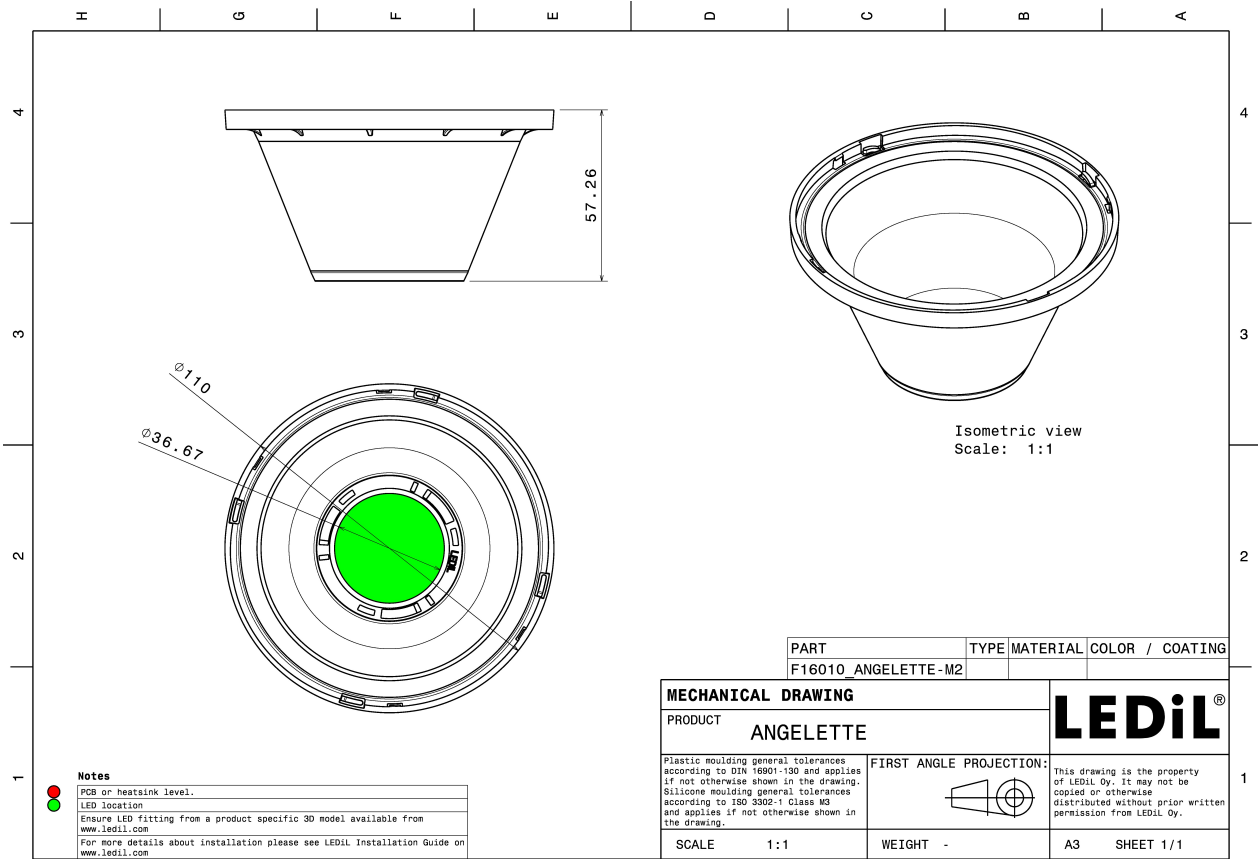
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	5.2 kg
Quantity in Box	120 pcs
ROHS compliant	yes ⓘ


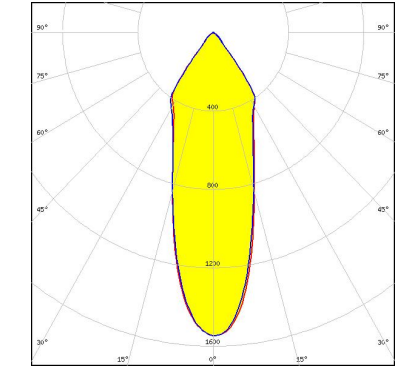
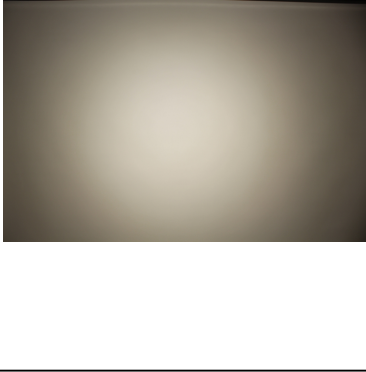
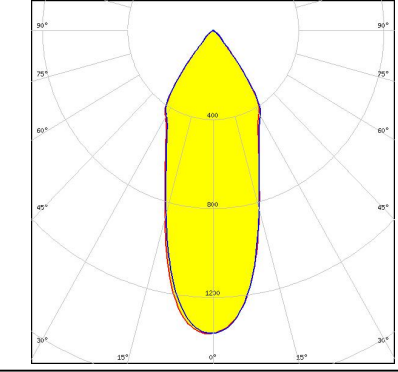
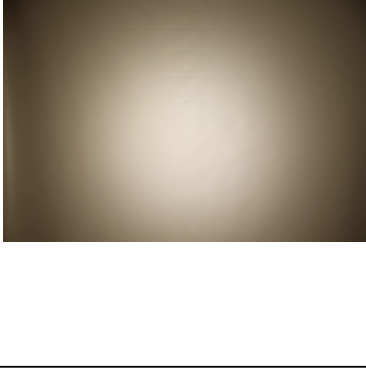
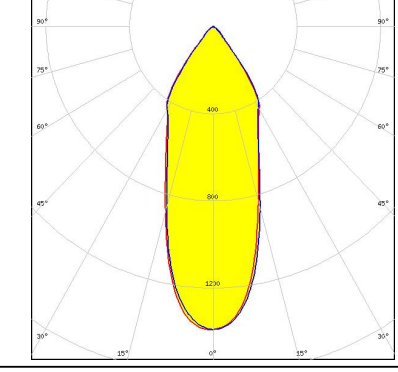
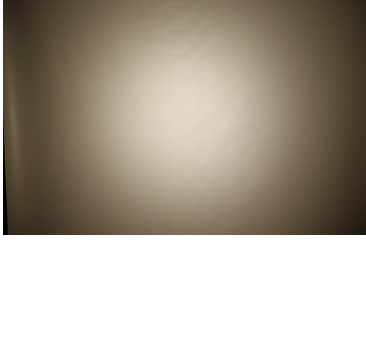
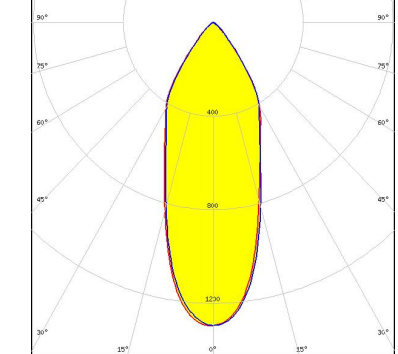


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Coating
ANGELETTE-M2	Reflector	PC	metal	



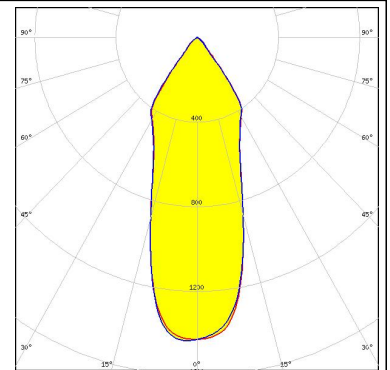
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vero SE 13</p> <p>FWHM 33.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components:</p> <p> C16402_CLAMP-VEROSE-13-18</p>		
<p>bridgelux.</p> <p>LED Vero SE 18</p> <p>FWHM 38.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components:</p> <p> C16402_CLAMP-VEROSE-13-18</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 37.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.400 cd/lm</p> <p>Required components:</p> <p> C13658_CLAMP-VERO13-18</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 38.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components:</p> <p> C13658_CLAMP-VERO13-18</p> <p> F15412_ANGELETTE-DL</p>		

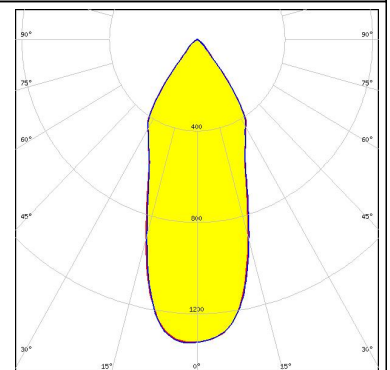
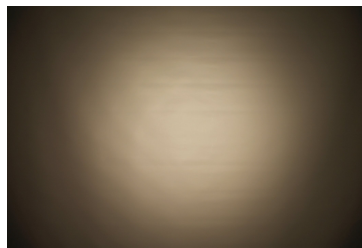
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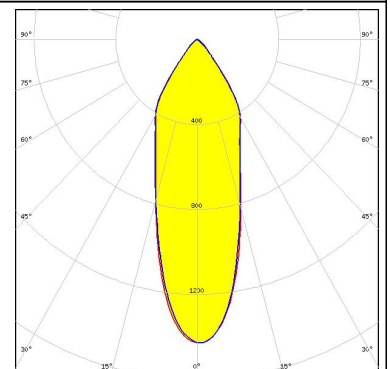
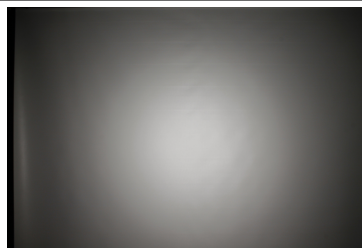
LED CMA1840
 FWHM 36.0°
 Efficiency 88 %
 Peak intensity 1.400 cd/lm
 Required components:
 C14123_CLAMP-CXA15-18



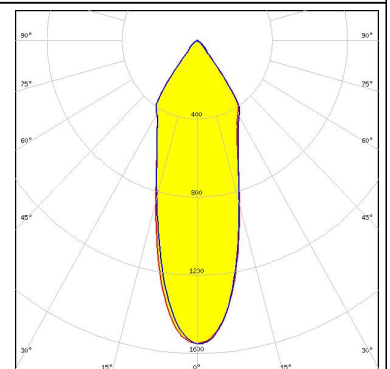
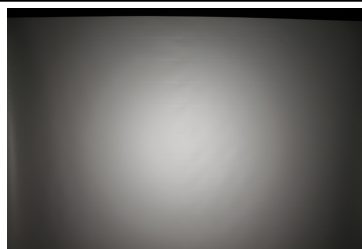
LED CMA2550
 FWHM 39.0°
 Efficiency 88 %
 Peak intensity 1.300 cd/lm
 Required components:
 C14036_CLAMP_CXA25-30



LED LUXEON CoB 1204/1205
 FWHM 34.0°
 Efficiency 83 %
 Peak intensity 1.400 cd/lm
 Required components:
 F15412_ANGELETTE-DL
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



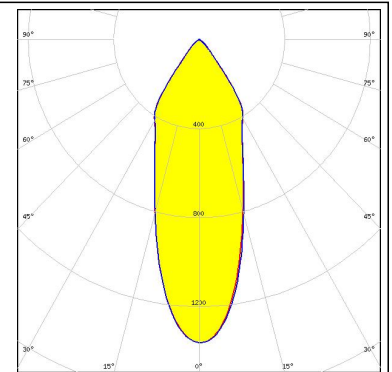
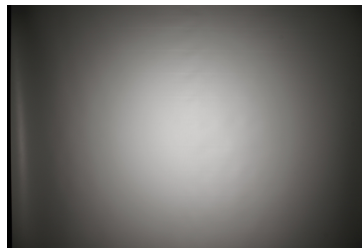
LED LUXEON CoB 1204/1205
 FWHM 33.0°
 Efficiency 86 %
 Peak intensity 1.600 cd/lm
 Required components:
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



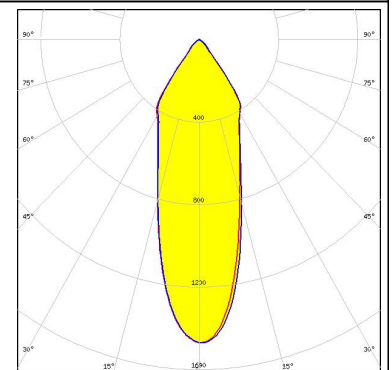
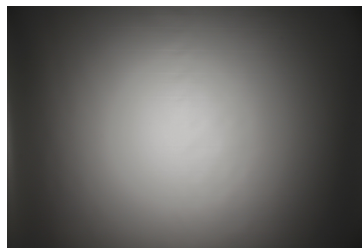
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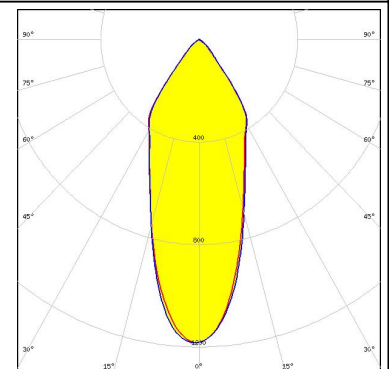
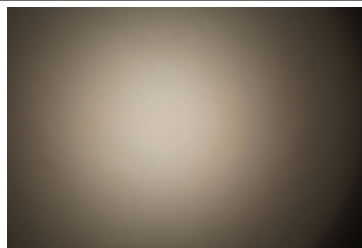
LED LUXEON CoB 1204/1205
 FWHM 35.0°
 Efficiency 82 %
 Peak intensity 1.400 cd/lm
 Required components:
 F13671_ANGE-RZ-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



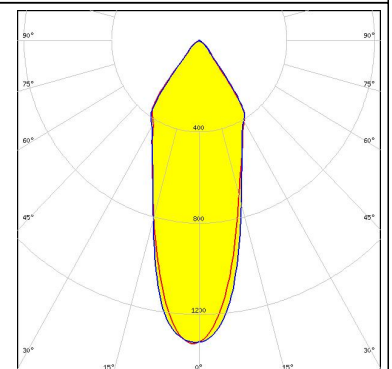
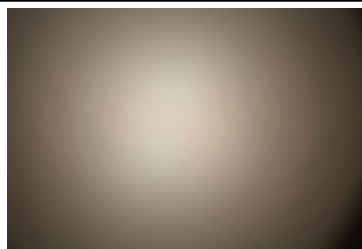
LED LUXEON CoB 1204/1205
 FWHM 33.0°
 Efficiency 83 %
 Peak intensity 1.500 cd/lm
 Required components:
 F15176_ANGELETTE-LENS
 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED CDM-14 (Dim-To-Warm)
 FWHM 38.0°
 Efficiency 78 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



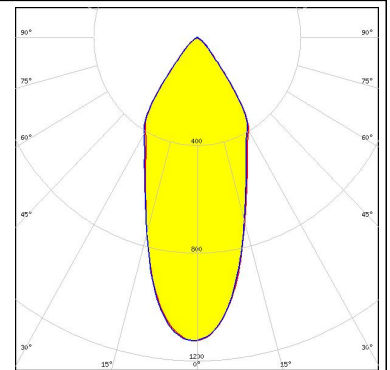
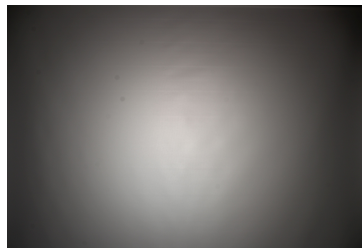
LED CDM-14 (Dim-To-Warm)
 FWHM 35.0°
 Efficiency 83 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



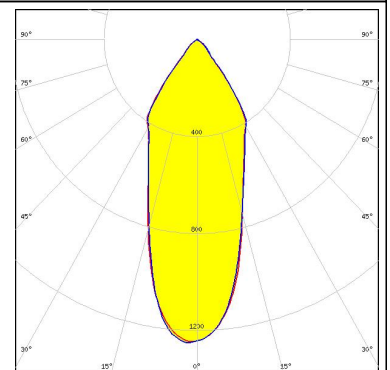
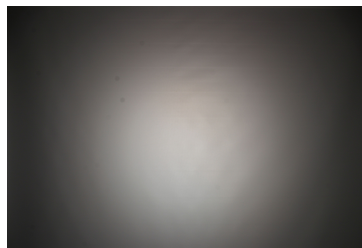
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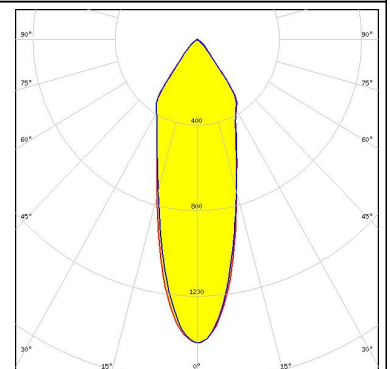
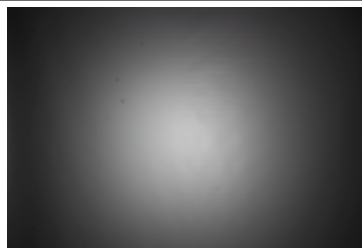
LED CDM-18 (Dim-To-Warm)
 FWHM 41.0°
 Efficiency 78 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 491 Typ L2



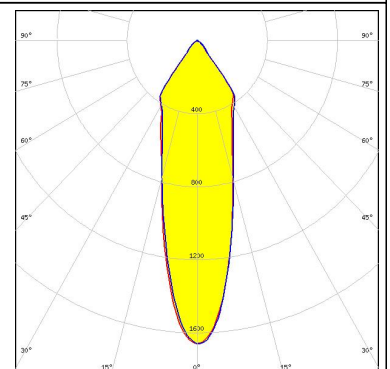
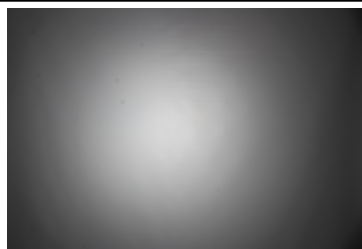
LED CDM-18 (Dim-To-Warm)
 FWHM 38.0°
 Efficiency 83 %
 Peak intensity 1.300 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 491 Typ L2



LED CDM-9 (Dim-To-Warm)
 FWHM 32.0°
 Efficiency 80 %
 Peak intensity 1.400 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 F13671_ANGE-RZ-LENS
 Bender Wirth: 490 Typ L1



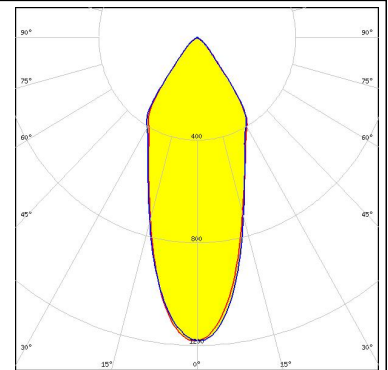
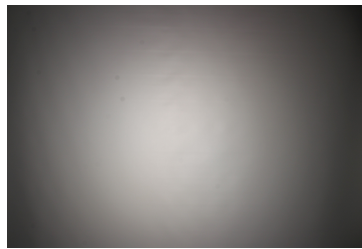
LED CDM-9 (Dim-To-Warm)
 FWHM 28.0°
 Efficiency 84 %
 Peak intensity 1.700 cd/lm
 Required components:
 C13658_CLAMP-VERO13-18
 Bender Wirth: 490 Typ L1



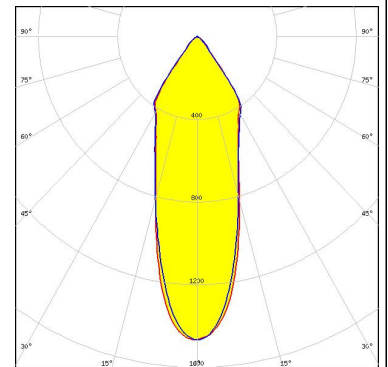
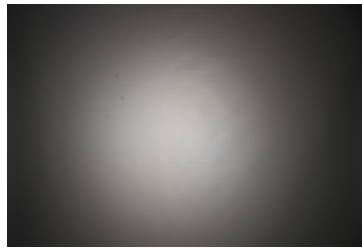
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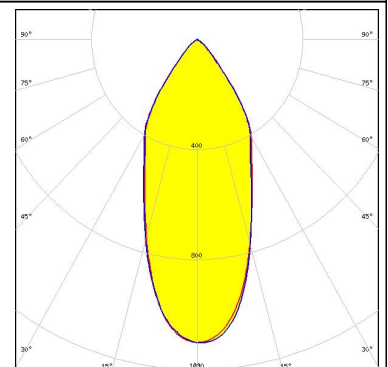
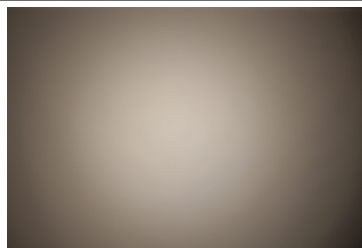
LED CTM-14 (Tunable White)
 FWHM 39.0°
 Efficiency 79 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 442 Typ L3



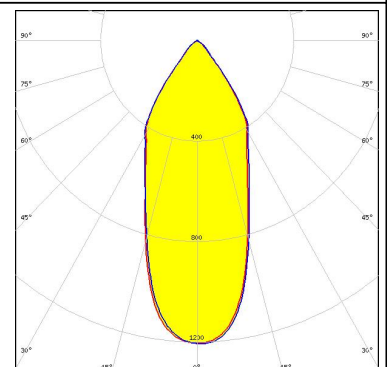
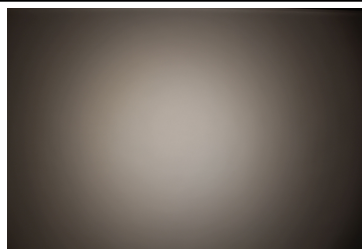
LED CTM-14 (Tunable White)
 FWHM 33.0°
 Efficiency 85 %
 Peak intensity 1.500 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 442 Typ L3



LED CTM-22 (Tunable White)
 FWHM 43.0°
 Efficiency 79 %
 Peak intensity 1.100 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 F13671_ANGE-RZ-LENS
 Bender Wirth: 494 Typ L3



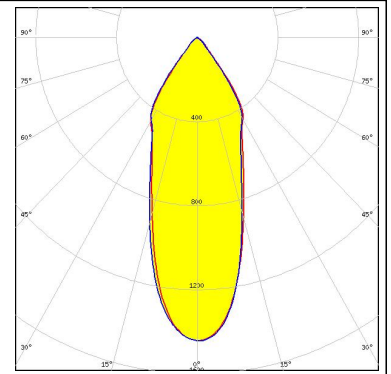
LED CTM-22 (Tunable White)
 FWHM 42.0°
 Efficiency 84 %
 Peak intensity 1.200 cd/lm
 Required components:
 C13584_CLAMP-VERO29
 Bender Wirth: 494 Typ L3



PHOTOMETRIC DATA (MEASURED):

XICATO

LED XIM - 19mm LES
FWHM 37.0°
Efficiency 88 %
Peak intensity 1.400 cd/lm
Required components:
C16491_XTM-ADAPTER-50-A



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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