



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!



## Contact us

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

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

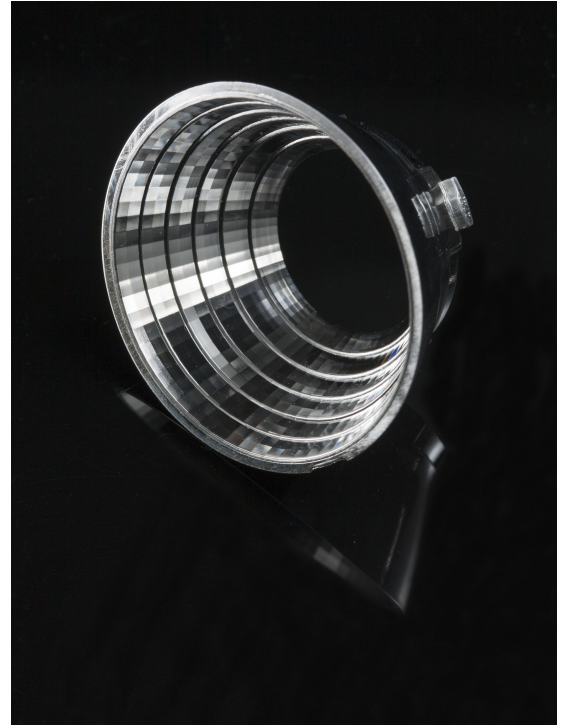


## BROOKE-G2-W

~50° wide beam compatible with LEDiL HEKLA.

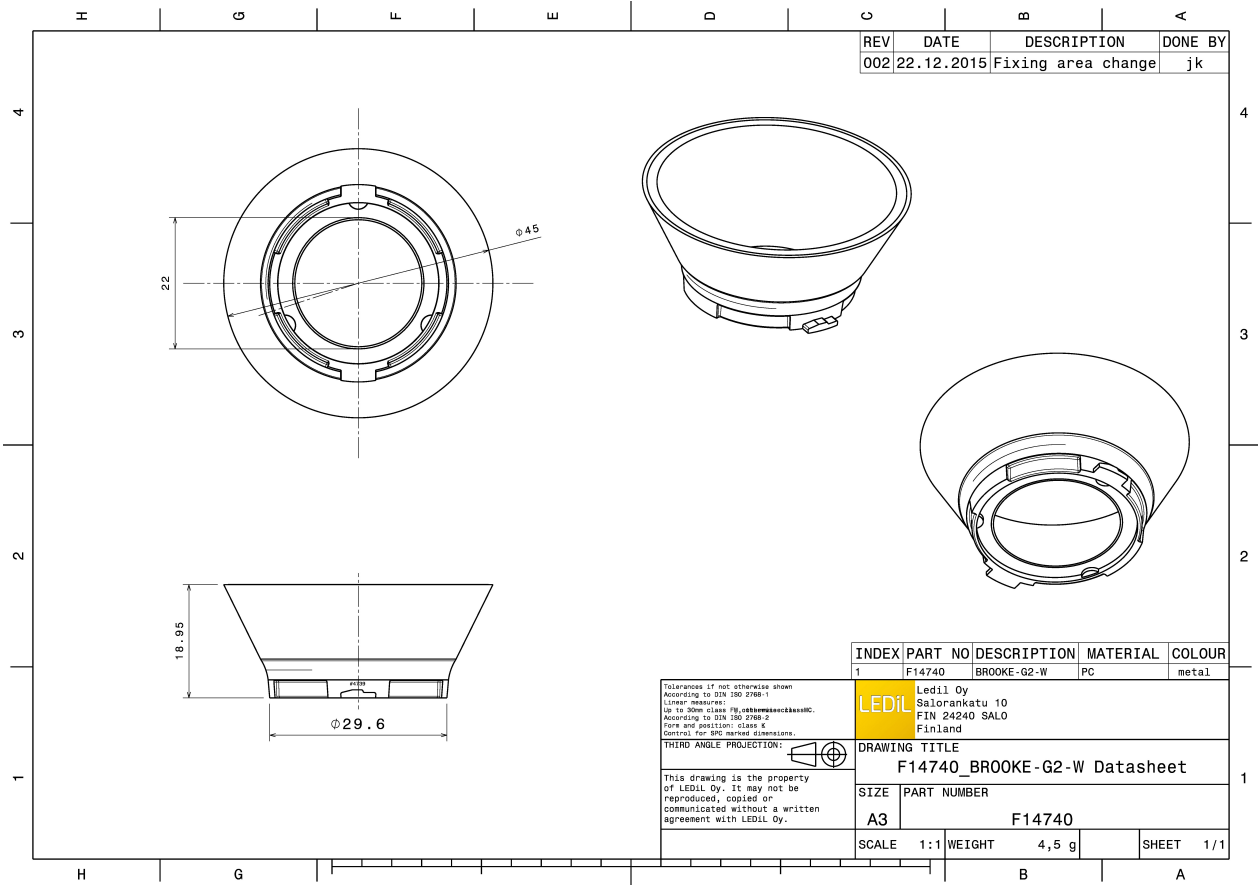
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 45.0 mm
Height	18.9 mm
Fastening	socket
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	5.2 kg
Quantity in Box	720 pcs
ROHS compliant	yes ⓘ


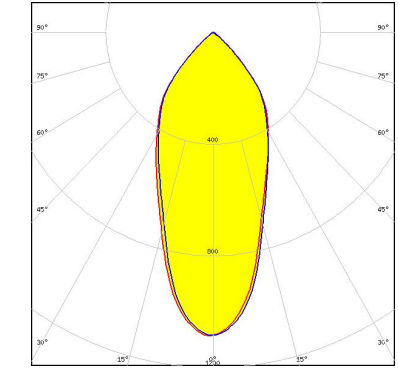
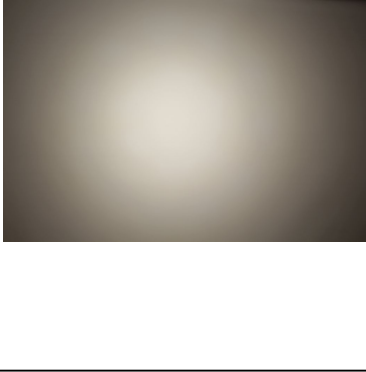
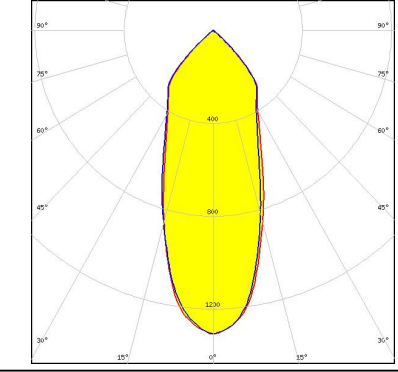

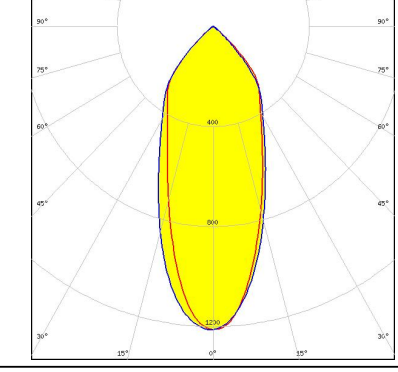
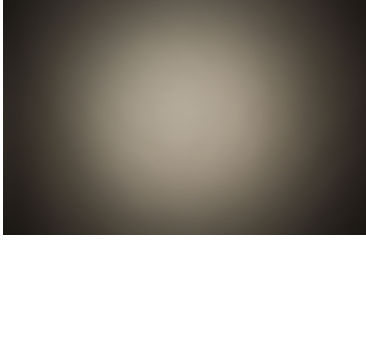
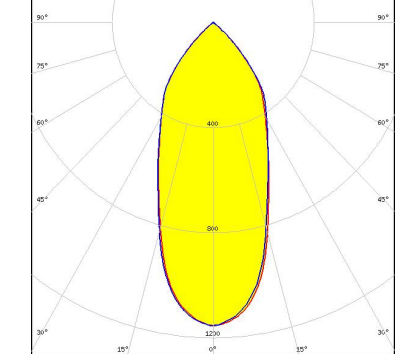


### MATERIAL SPECIFICATIONS:


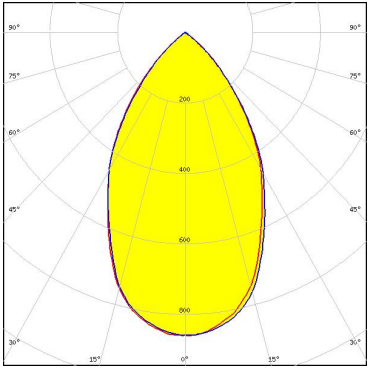
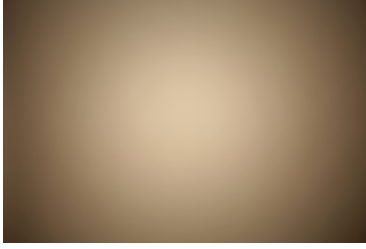
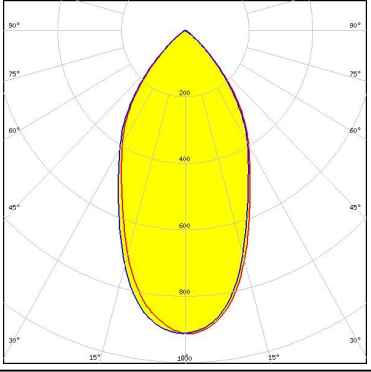

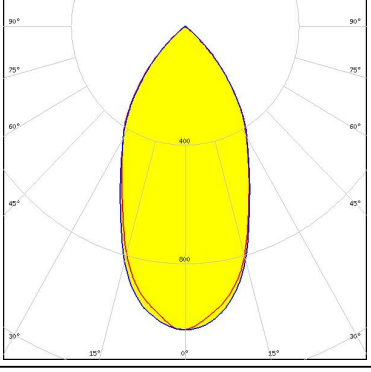
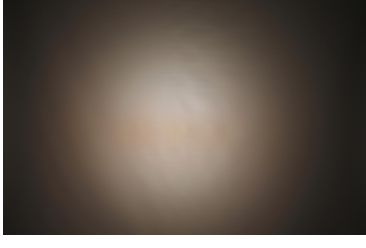
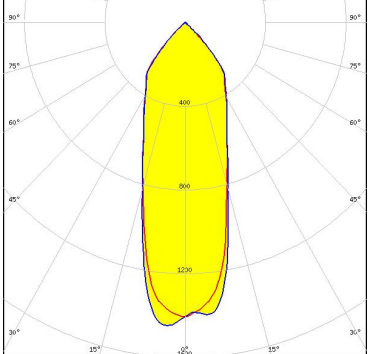
Component	Type	Material	Colour	Coating
BROOKE-G2-W	Reflector	PC	metal	lacquer



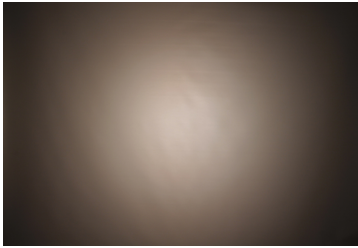
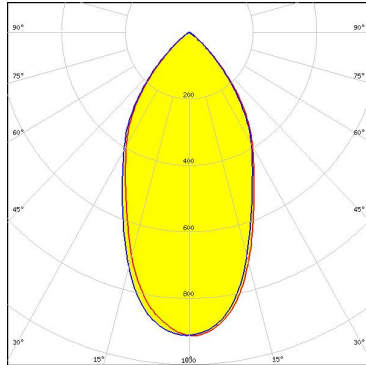
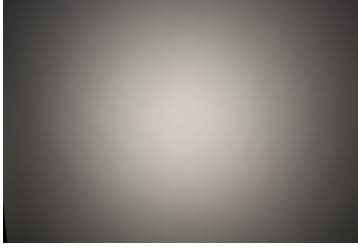
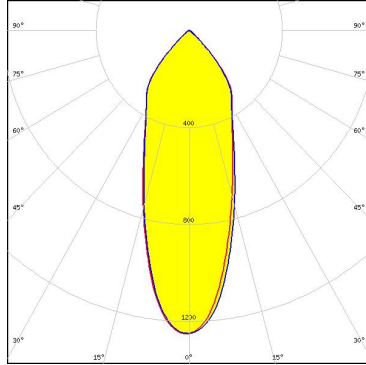
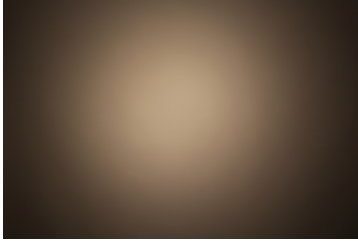
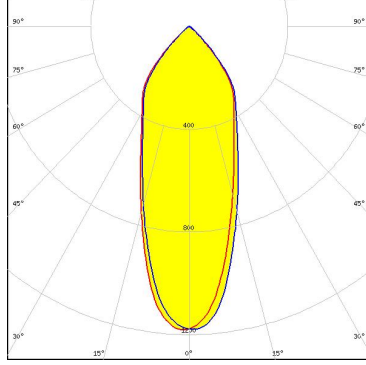
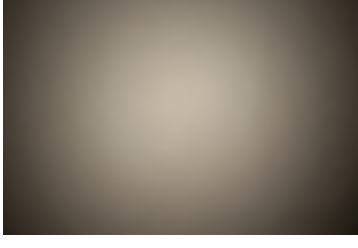
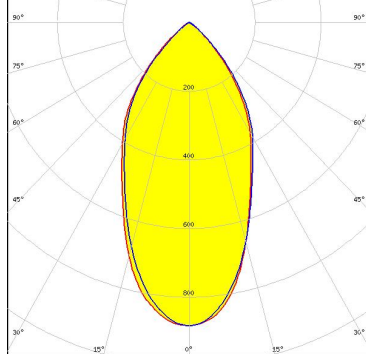
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 44.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 39.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>		
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 41.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: F15616_HEKLA-SOCKET-F C14658_BARBARA-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 44.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 62.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.860 cd/lm</p> <p>Required components: LEDiL: C16142_HEKLA-SOCKET-K</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 15mm (33W)</p> <p>FWHM 53.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 491 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 15mm (33W)</p> <p>FWHM 52.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 9mm (6W/12W)</p> <p>FWHM 34.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		

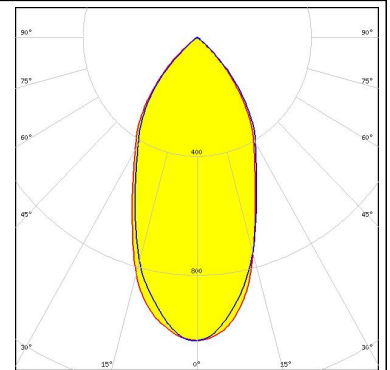
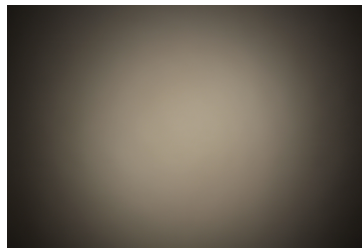
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vesta DTW 9mm (6W/12W)</p> <p>FWHM 41.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 9mm (12W)</p> <p>FWHM 36.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 489 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 38.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 487 Typ L8</p>		
<p><b>CITIZEN</b></p> <p>LED CLC030 Series (Dim-To-Warm)</p> <p>FWHM 53.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 436 Typ L8</p>		

#### PHOTOMETRIC DATA (MEASURED):

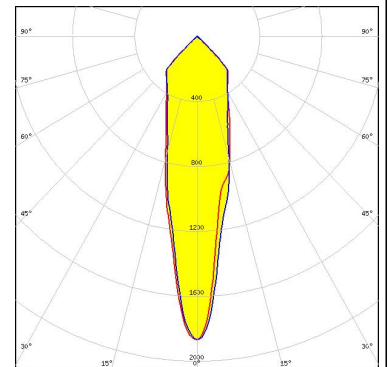
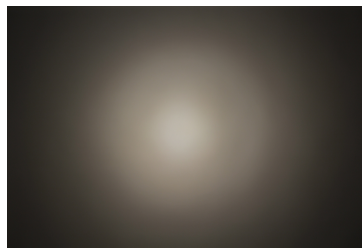
#### CITIZEN

LED CLC030 Series (Dim-To-Warm)  
 FWHM 49.0°  
 Efficiency 87 %  
 Peak intensity 1.000 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K



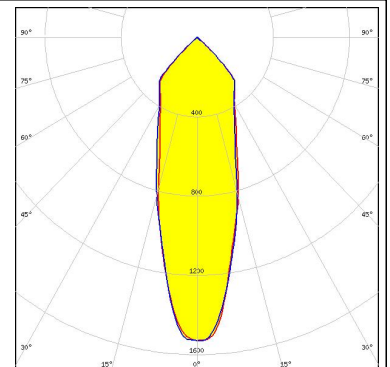
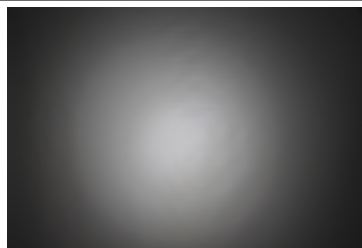
#### CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)  
 FWHM 24.0°  
 Efficiency 93 %  
 Peak intensity 1.900 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



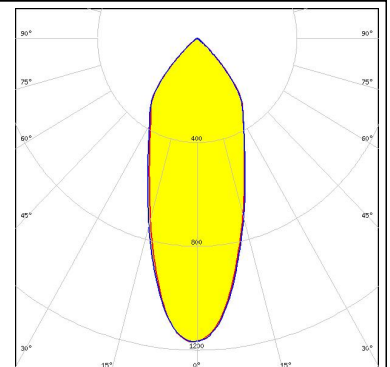
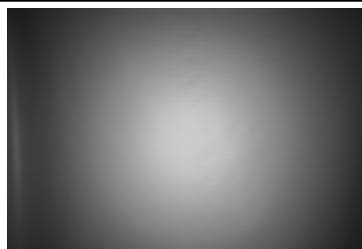
#### CITIZEN

LED CLU700/701  
 FWHM 32.0°  
 Efficiency 94 %  
 Peak intensity 1.500 cd/lm  
 Required components:  
 C15743\_XTM-ADAPTER-50-B  
 LEDiL: F15255\_HEKLA-SOCKET-C



#### CITIZEN

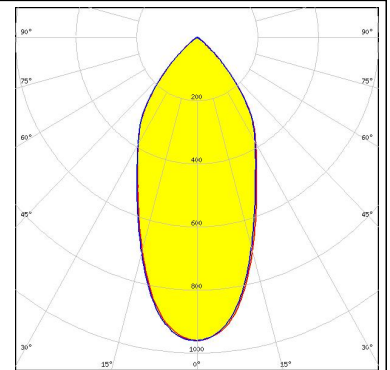
LED LCN-C01B (Tunable White)  
 FWHM 38.0°  
 Efficiency 84 %  
 Peak intensity 1.200 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 481 Typ L8



#### PHOTOMETRIC DATA (MEASURED):

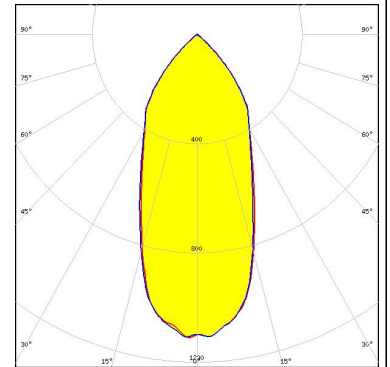
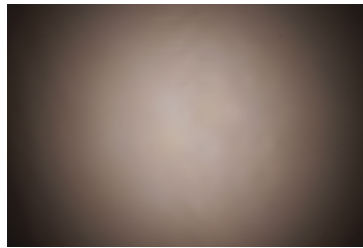
#### CITIZEN

LED LCN-C02B (Tunable White)  
 FWHM 48.0°  
 Efficiency 83 %  
 Peak intensity 0.960 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 481 Typ L8



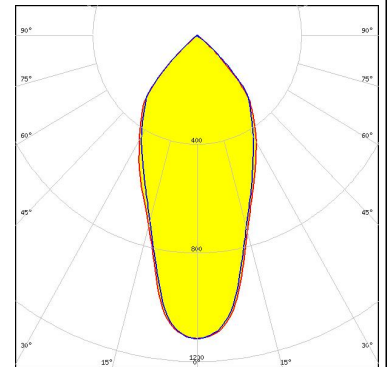
#### CITIZEN

LED LCN-C02B (Tunable White)  
 FWHM 45.0°  
 Efficiency 88 %  
 Peak intensity 1.100 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K



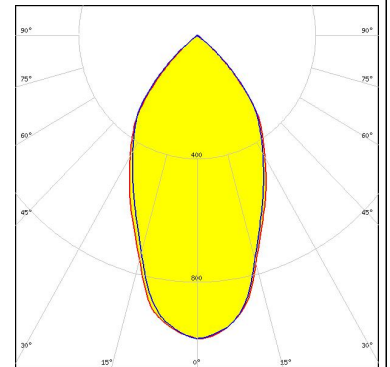
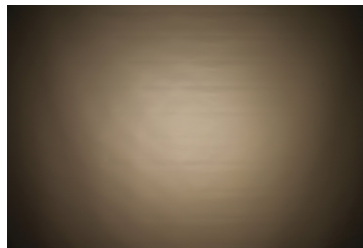
#### CREE

LED CMA1516  
 FWHM 45.0°  
 Efficiency 93 %  
 Peak intensity 1.100 cd/lm  
 Required components:  
 F15256\_HEKLA-SOCKET-D



#### CREE

LED CMA1825  
 FWHM 55.0°  
 Efficiency 93 %  
 Peak intensity 0.990 cd/lm  
 Required components:  
 F15254\_HEKLA-SOCKET-B

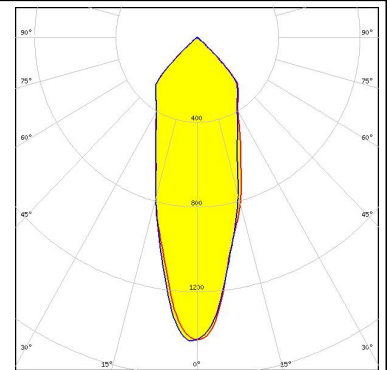




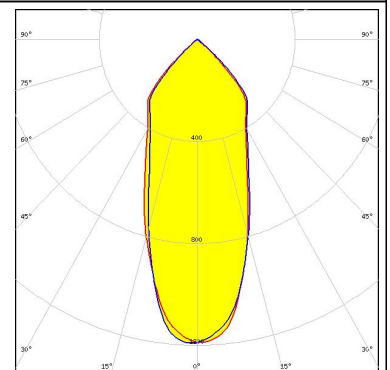
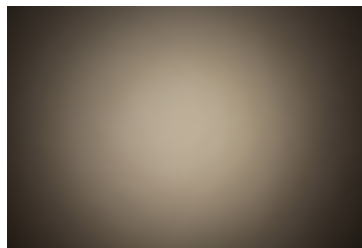
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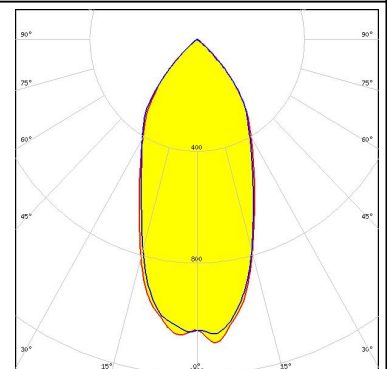
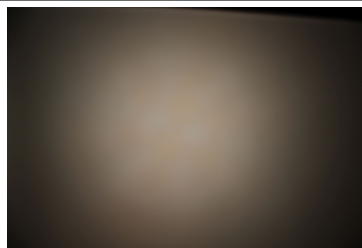
LED CXA/B 13xx  
 FWHM 34.0°  
 Efficiency 94 %  
 Peak intensity 1.400 cd/lm  
 Required components:  
 F15956\_HEKLA-SOCKET-J



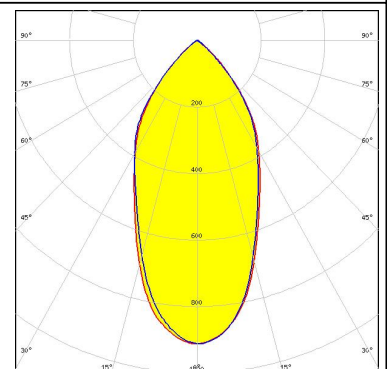
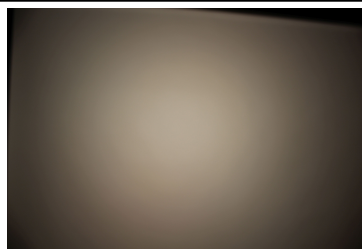
LED CXA/B 15xx  
 FWHM 41.0°  
 Efficiency 93 %  
 Peak intensity 1.200 cd/lm  
 Required components:  
 F15256\_HEKLA-SOCKET-D




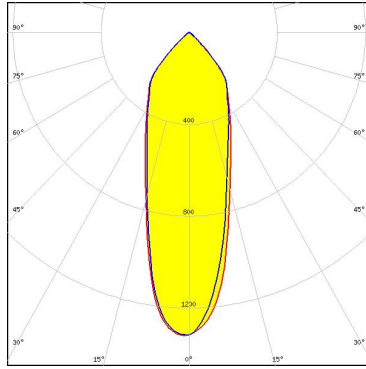
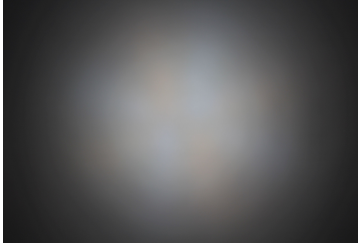
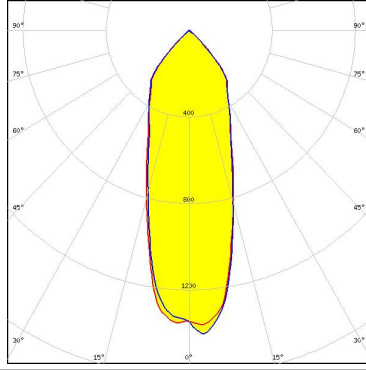
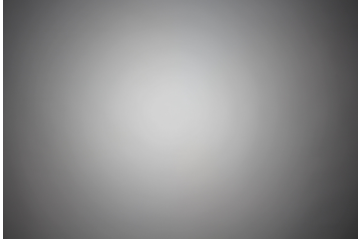
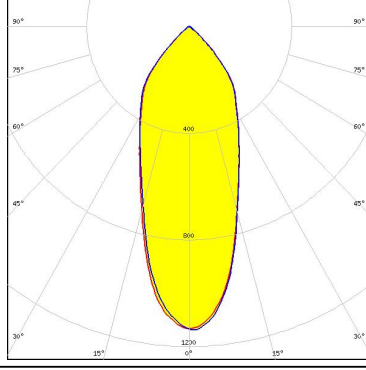
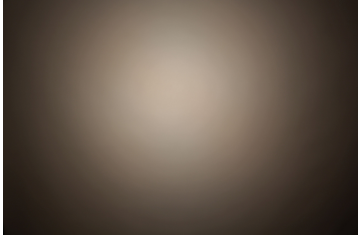
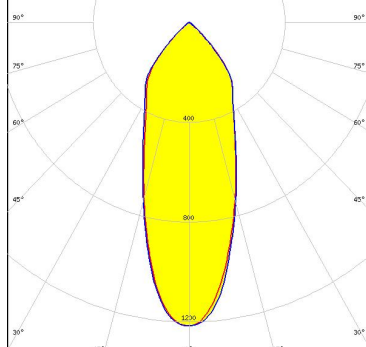
LED CDM-14 (Dim-To-Warm)  
 FWHM 46.0°  
 Efficiency 86 %  
 Peak intensity 1.100 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



LED CDM-14 (Dim-To-Warm)  
 FWHM 51.0°  
 Efficiency 81 %  
 Peak intensity 0.910 cd/lm  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 491 Typ L8



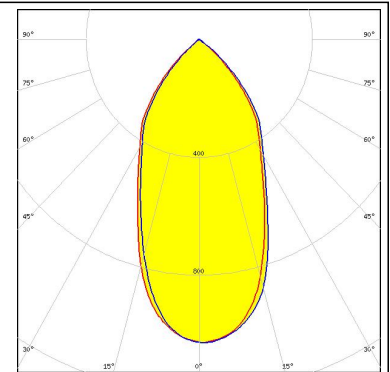
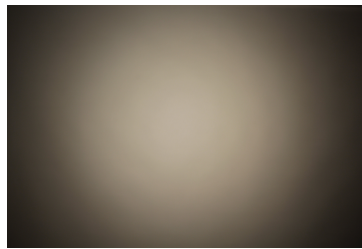
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></p> <p>LED CDM-6 (Dim-To-Warm)</p> <p>FWHM 33.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 490 Typ L8</p>		
<p><b>LUMINUS</b></p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM 35.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.500 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>Bender Wirth: 490 Typ L8</p>		
<p><b>LUMINUS</b></p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM 40.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 490 Typ L8</p>		
<p><b>LUMINUS</b></p> <p>LED CTM-9 (Tunable White)</p> <p>FWHM 37.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>Required components:</p> <p>C16142_HEKLA-SOCKET-K</p> <p>C14658_BARBARA-RZ-LENS</p> <p>Bender Wirth: 495 Typ L8</p>		

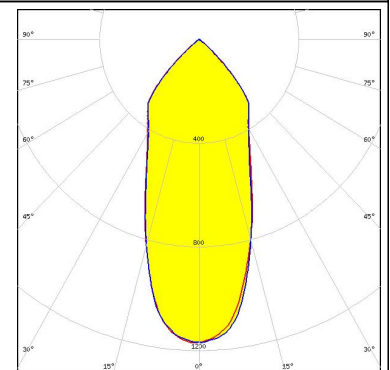
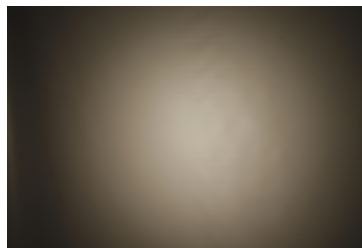
#### PHOTOMETRIC DATA (MEASURED):



LED CXM-14  
FWHM 51.0°  
Efficiency 93 %  
Peak intensity 1.000 cd/lm  
Required components:  
F15859\_HEKLA-SOCKET-I



LED CXM-9  
FWHM 43.0°  
Efficiency 94 %  
Peak intensity 1.200 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C

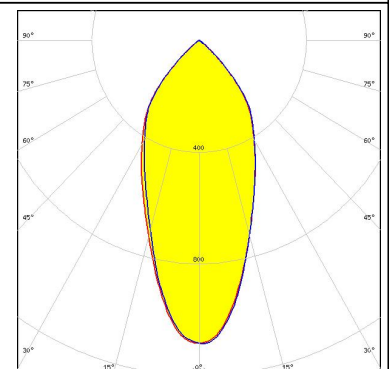
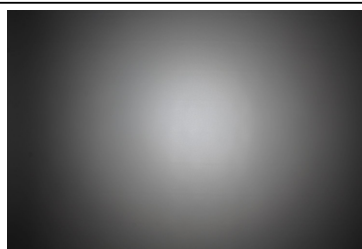


## SAMSUNG

LED COB D Series LES 9.8 mm  
FWHM 43.0°  
Efficiency 94 %  
Peak intensity 1.200 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C

## SAMSUNG

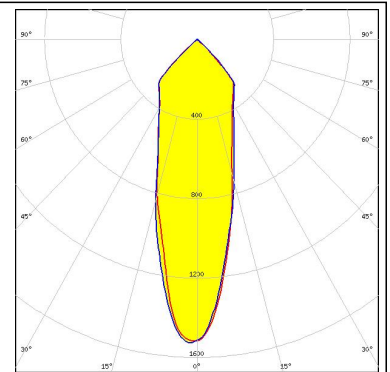
LED COB D Series LES 9.8 mm  
FWHM 44.0°  
Efficiency 88 %  
Peak intensity 1.090 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C  
C14658\_BARBARA-RZ-LENS



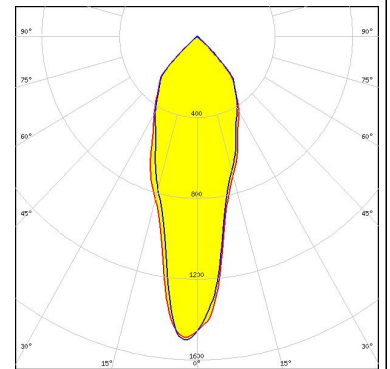
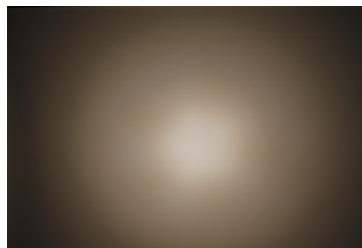
#### PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

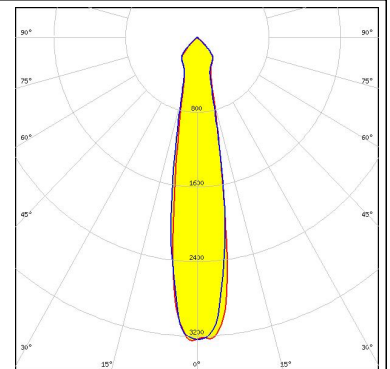
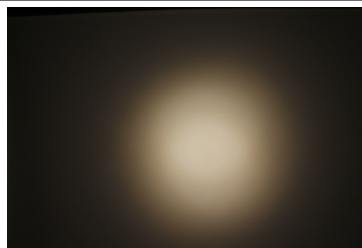
LED LC010C G2  
 FWHM 31.0°  
 Efficiency 92 %  
 Peak intensity 1.500 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



LED MJT COB LES 6  
 FWHM 32.0°  
 Efficiency 93 %  
 Peak intensity 1.500 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C

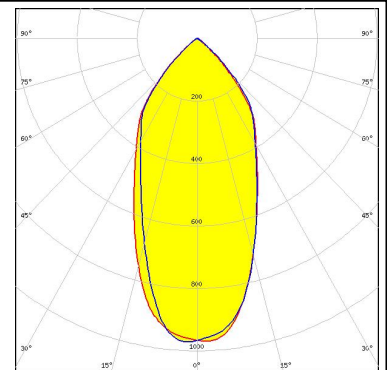
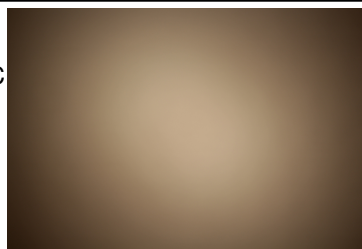


LED MJT COB LES 9.8  
 FWHM 20.0°  
 Efficiency 92 %  
 Peak intensity 3.300 cd/lm  
 Required components:  
 F15255\_HEKLA-SOCKET-C



### TRIDONIC

LED SLE G1 11mm 1000lm 927 Sunset R EXC  
 FWHM 50.0°  
 Efficiency 87 %  
 Peak intensity 1.000 cd/lm  
 Required components:  
 F15859\_HEKLA-SOCKET-I  
 C14658\_BARBARA-RZ-LENS



## PHOTOMETRIC DATA (MEASURED):

### TRIDONIC

LED SLE G1 15mm 2000lm 927 Sunset R EXC

FWHM 55.0°

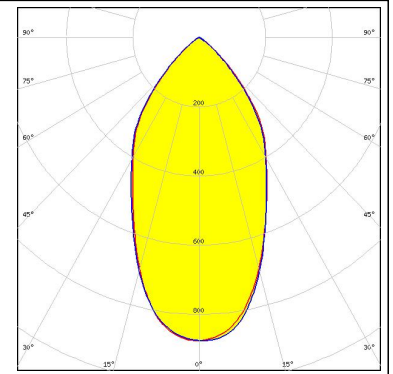
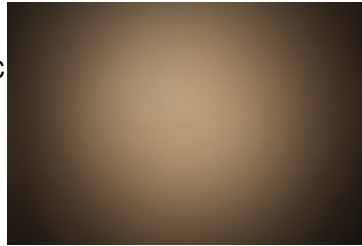
Efficiency 85 %

Peak intensity 0.900 cd/lm

Required components:

F15859\_HEKLA-SOCKET-I

C14658\_BARBARA-RZ-LENS



#### PHOTOMETRIC DATA (SIMULATED):

bridgelux.

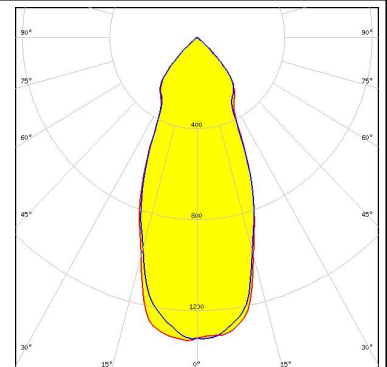
LED V8 Gen6  
FWHM 42.5°  
Efficiency 0 %  
Peak intensity 0.000 cd/lm  
Required components:  
F15253\_HEKLA-SOCKET-A

bridgelux.

LED V8 Gen6  
FWHM 42.5°  
Efficiency %  
Peak intensity cd/lm  
Required components:  
F15253\_HEKLA-SOCKET-A

#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 43.0°  
Efficiency 92 %  
Peak intensity 1.300 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



#### CITIZEN

LED CLL02x/CLU02x (LES10)  
FWHM 45.0°  
Efficiency 0 %  
Peak intensity 0.000 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C

#### PHOTOMETRIC DATA (SIMULATED):

#### CREE

LED CXA/B 15xx  
FWHM 44.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:  
F15256\_HEKLA-SOCKET-D

#### CREE

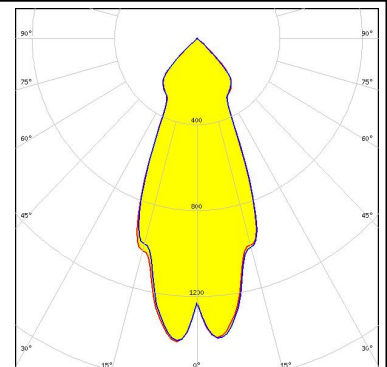
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM 46.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:  
F15254\_HEKLA-SOCKET-B

#### CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM 46.0°  
Efficiency 0 %  
Peak intensity 0.000 cd/lm  
Required components:  
F15254\_HEKLA-SOCKET-B

#### NICHIA

LED COB T-Type  
FWHM 42.0°  
Efficiency 90 %  
Peak intensity 1.420 cd/lm  
Required components:  
F15848\_HEKLA-SOCKET-G



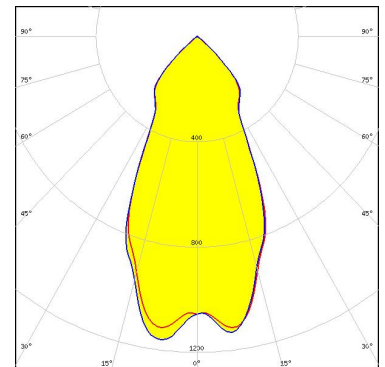
#### PHOTOMETRIC DATA (SIMULATED):

### SAMSUNG

LED COB D Series LES 14.5 mm  
FWHM 49.5°  
Efficiency 88 %  
Peak intensity 1.070 cd/lm  
Required components:  
F15859\_HEKLA-SOCKET-I

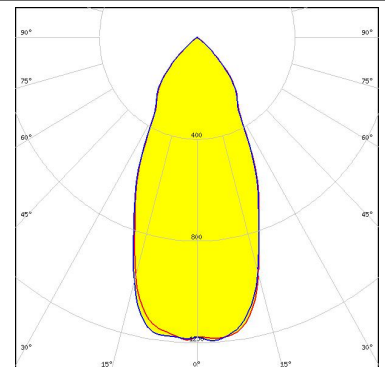
### TRIDONIC

LED SLE G6 LES10  
FWHM 49.0°  
Efficiency 94 %  
Peak intensity 1.100 cd/lm  
Required components:  
F15255\_HEKLA-SOCKET-C



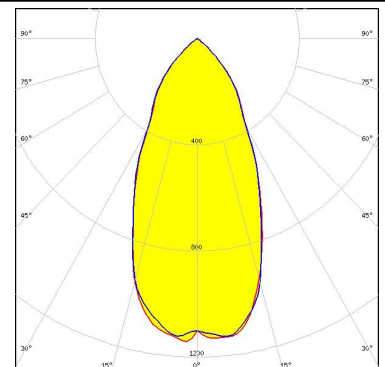
### TRIDONIC

LED SLE G6 LES15  
FWHM 48.0°  
Efficiency 92 %  
Peak intensity 1.200 cd/lm  
Required components:  
F15859\_HEKLA-SOCKET-I



### TRIDONIC

LED SLE G6 LES17  
FWHM 49.0°  
Efficiency 92 %  
Peak intensity 1.160 cd/lm  
Required components:  
F15859\_HEKLA-SOCKET-I

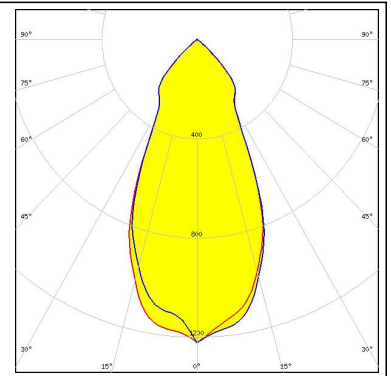




## PHOTOMETRIC DATA (SIMULATED):

### XICATO

LED XTM - 9mm LES  
FWHM 48.0°  
Efficiency 93 %  
Peak intensity 1.220 cd/lm  
Required components:  
C15743\_XTM-ADAPTER-50-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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