



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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## EVA-D

~16° diffused spot beam

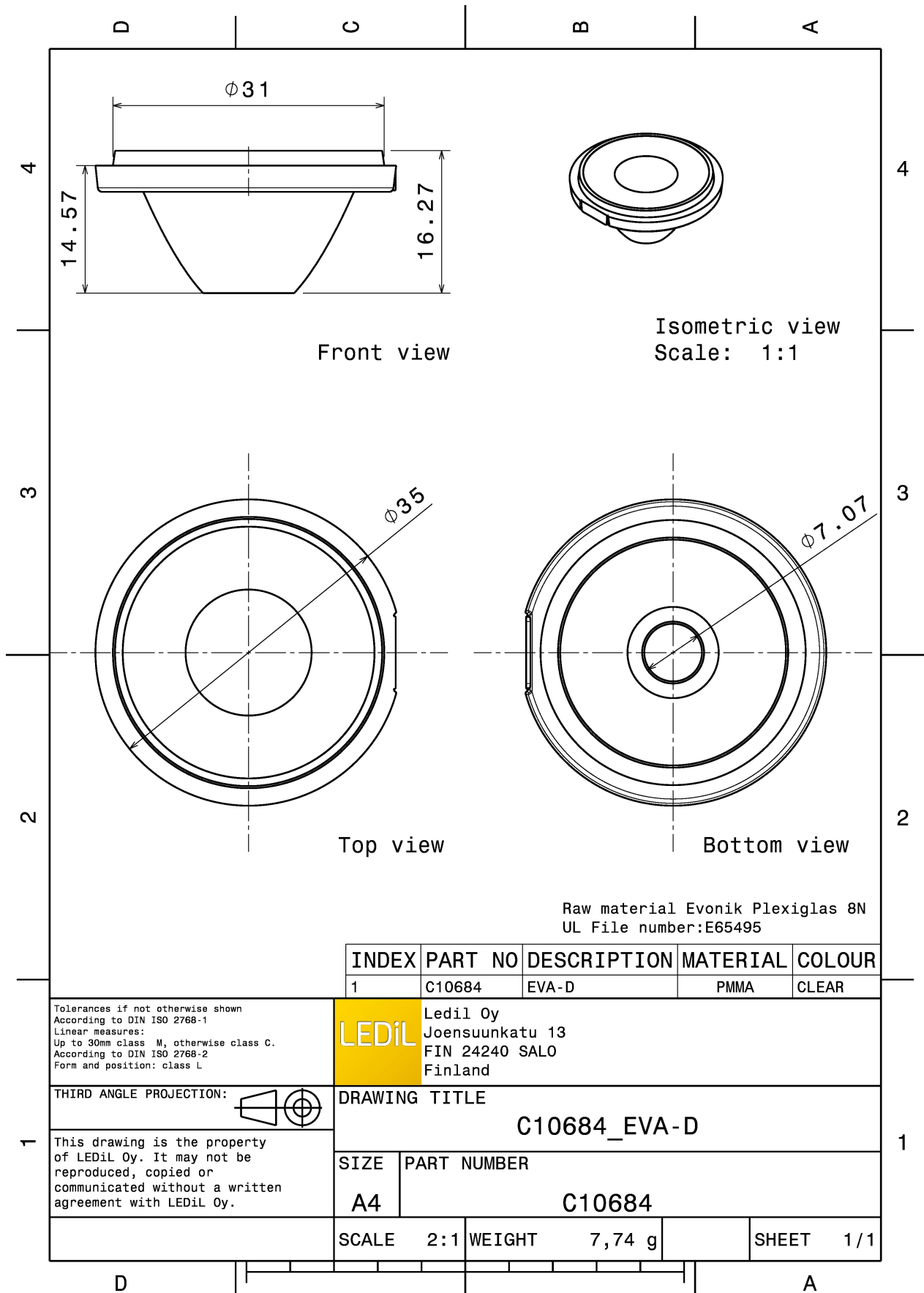
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 35 mm
Height	16.4 mm
Fastening	glue
Colour	clear
Box size	
Box weight	4 kg
Quantity in Box	540 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

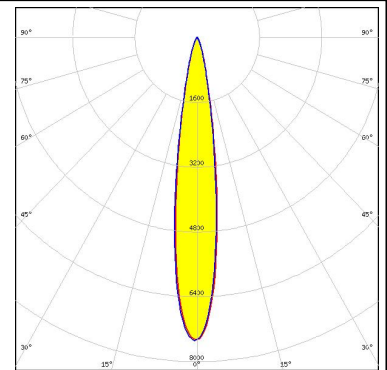
Component	Type	Material	Colour
EVA-D	Lens	PMMA	clear



### PHOTOMETRIC DATA (MEASURED):

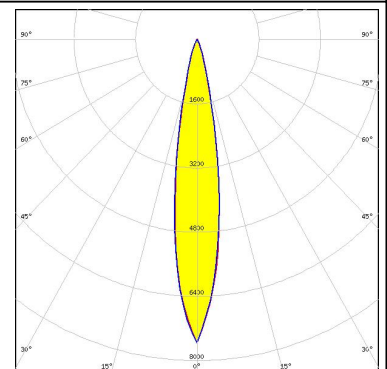
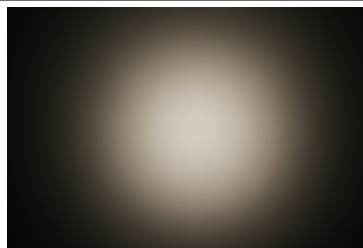
#### CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)  
FWHM 16.0°  
Efficiency 92 %  
Peak intensity 7.500 cd/lm  
Required components:



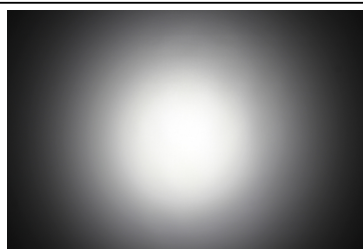
#### CREE

LED MC-E  
FWHM 16.0°  
Efficiency 92 %  
Peak intensity 6.000 cd/lm  
Required components:



#### CREE

LED MHB-A/B  
FWHM 19.0°  
Efficiency 83 %  
Peak intensity 5.400 cd/lm  
Required components:



#### CREE

LED XHP35 HI  
FWHM 22.0°  
Efficiency 79 %  
Peak intensity 3.900 cd/lm  
Required components:

### PHOTOMETRIC DATA (MEASURED):

#### CREE

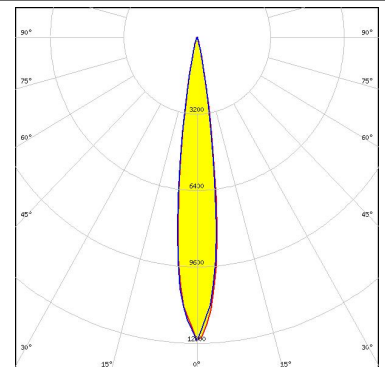
LED XM-L  
FWHM 16.0°  
Efficiency 91 %  
Peak intensity cd/lm  
Required components:

#### CREE

LED XP-G2  
FWHM 16.0°  
Efficiency 87 %  
Peak intensity cd/lm  
Required components:

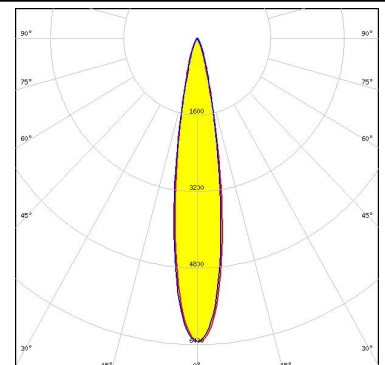
#### CREE

LED XT-E  
FWHM 14.0°  
Efficiency %  
Peak intensity 7.500 cd/lm  
Required components:



#### LUMILEDS

LED LUXEON 5050  
FWHM 18.0°  
Efficiency 91 %  
Peak intensity 6.400 cd/lm  
Required components:



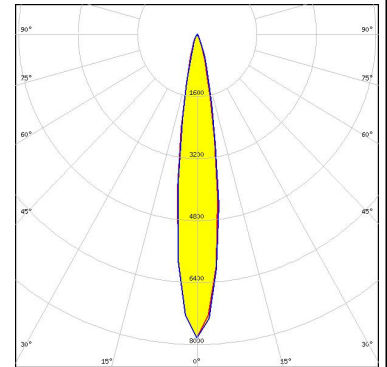
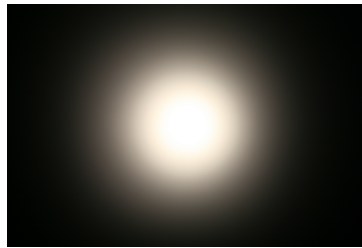
**PHOTOMETRIC DATA (MEASURED):**

**LUMILEDS**

LED LUXEON M/MX  
FWHM 21.0°  
Efficiency 90 %  
Peak intensity 4.200 cd/lm  
Required components:

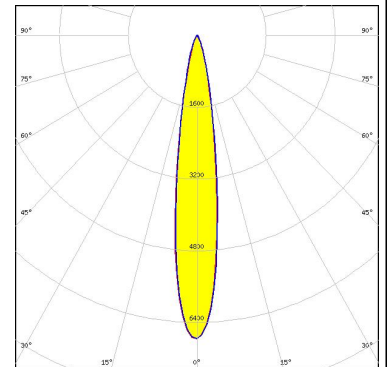
**LUMILEDS**

LED LUXEON MZ  
FWHM 16.0°  
Efficiency 88 %  
Peak intensity 7.800 cd/lm  
Required components:



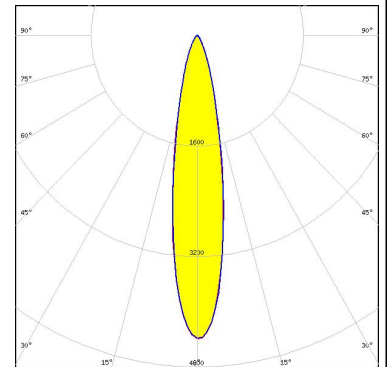
**NICHIA**

LED NS9x383  
FWHM 16.0°  
Efficiency 89 %  
Peak intensity 6.800 cd/lm  
Required components:



**NICHIA**

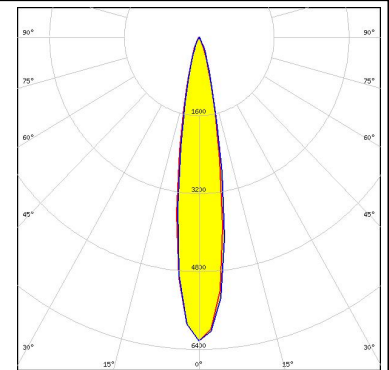
LED NSMx286M  
FWHM 20.0°  
Efficiency 91 %  
Peak intensity 4.400 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM 18.0°  
Efficiency 84 %  
Peak intensity 6.200 cd/lm  
Required components:



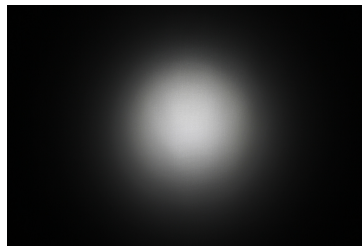
**SEOL**  
SEOUL SEMICONDUCTOR

LED Z8Y15  
FWHM 13.0°  
Efficiency 86 %  
Peak intensity 11.530 cd/lm  
Required components:



**SEOL**  
SEOUL SEMICONDUCTOR

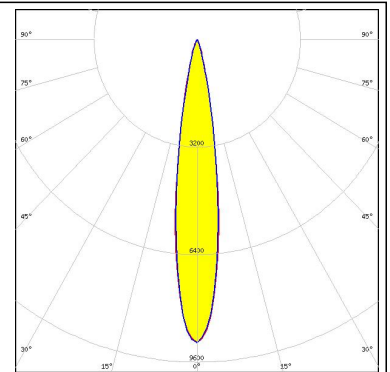
LED Z8Y19  
FWHM 13.0°  
Efficiency 87 %  
Peak intensity 11.000 cd/lm  
Required components:



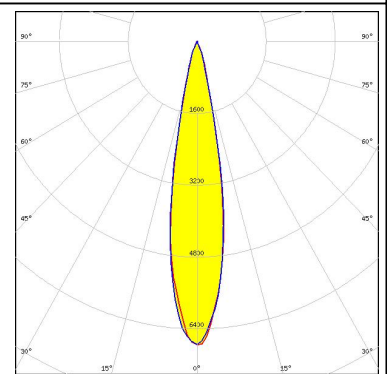
### PHOTOMETRIC DATA (SIMULATED):



LED LUXEON 5258  
FWHM 17.0°  
Efficiency 92 %  
Peak intensity 8.600 cd/lm  
Required components:



LED OSCONIQ P 7070  
FWHM 20.0°  
Efficiency 94 %  
Peak intensity 6.850 cd/lm  
Required components:





### 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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