

## LINNEA-UP

Asymmetric beam for uplighting optimized for 1.0 mm metal sheet or profile. Variant made from PC.

### TECHNICAL SPECIFICATIONS:

Dimensions	285.0 x 40.0 mm
Height	10.3 mm
Fastening	clips
ROHS compliant	yes ⓘ

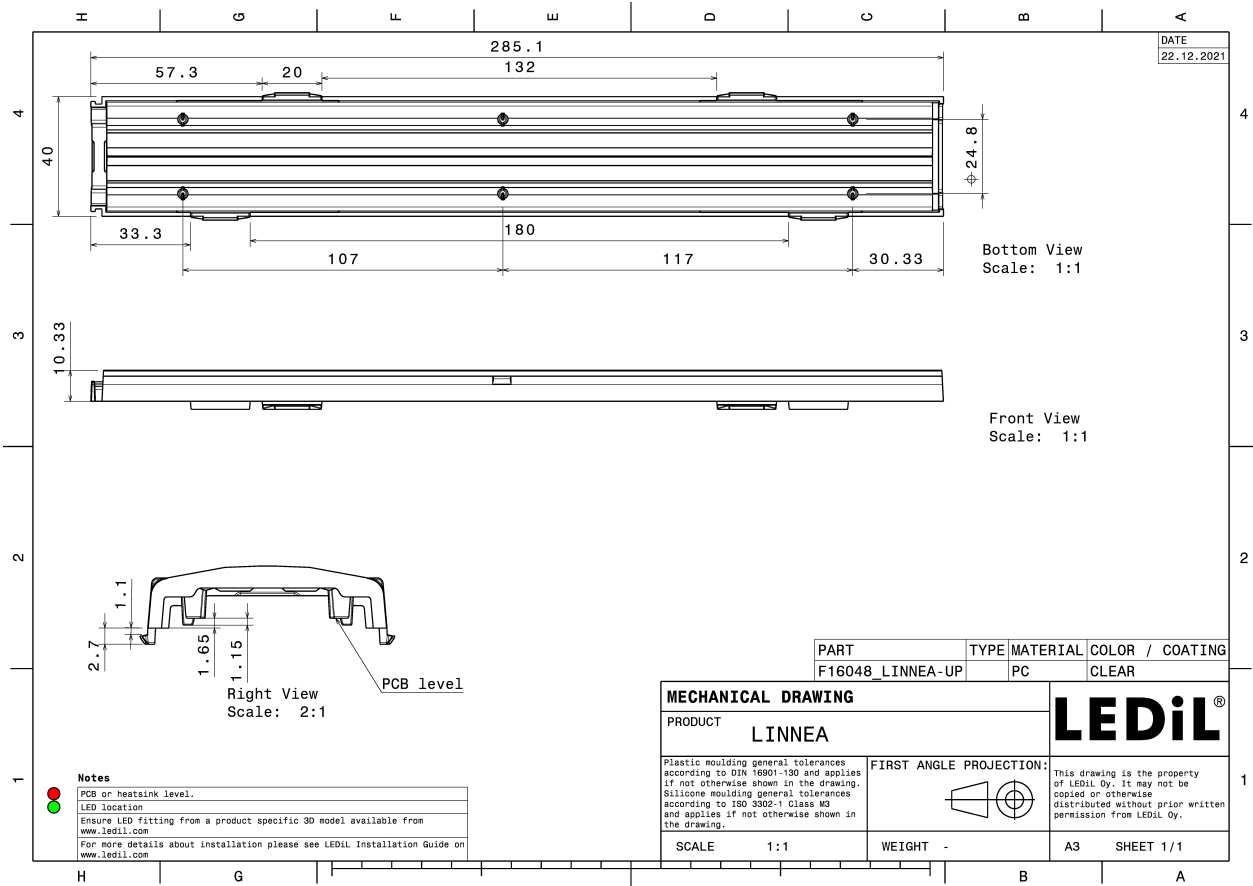


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LINNEA-UP	Linear lens	PC	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16048_LINNEA-UP » Box size: 398 x 298 x 265 mm	162	36	36	7.6

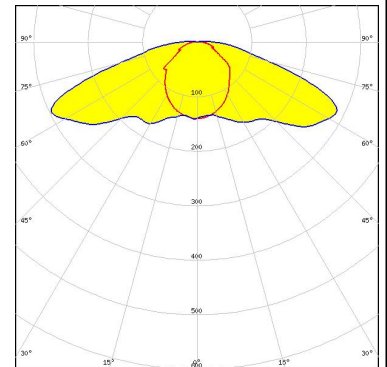


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

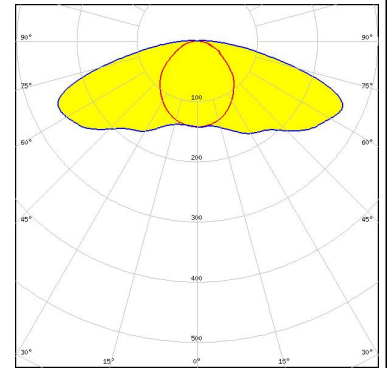
### PHOTOMETRIC DATA (MEASURED):



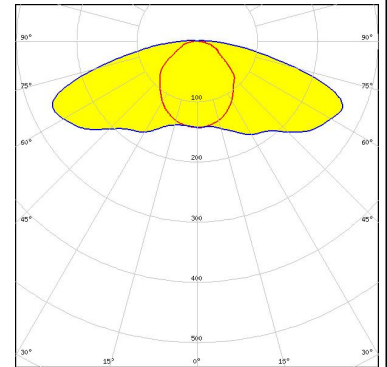
LED XP-E  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



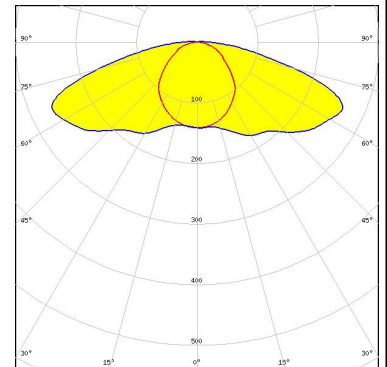
LED L-iC-282-827-865-011A  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LP-282-840-009A 60/300  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



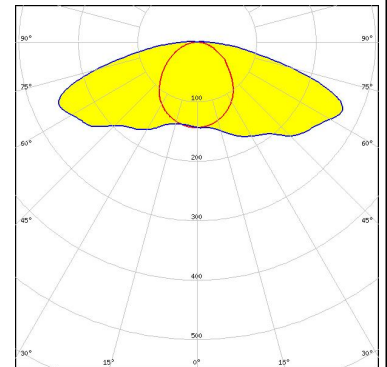
LED LS-282-840-011A  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

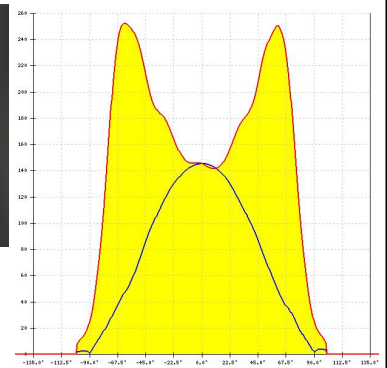
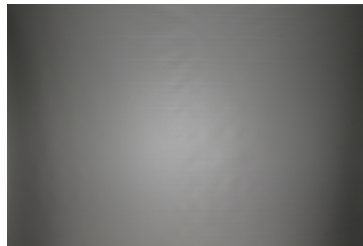
##### Helvar

LED LX-282-840-023A  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



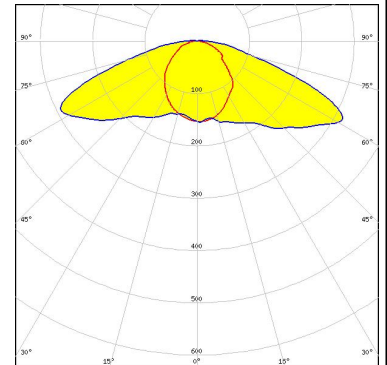
##### MST *Your solutions*

LED LinLED 280x24mm 1100lm 830 2C 30V LINNEA-GC G1  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



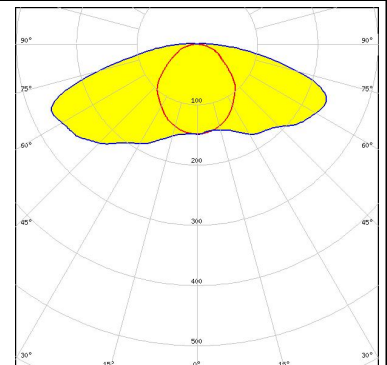
##### NICHIA

LED NF2x757G  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

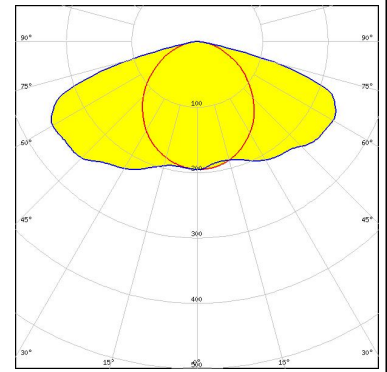
LED NFSW757H  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

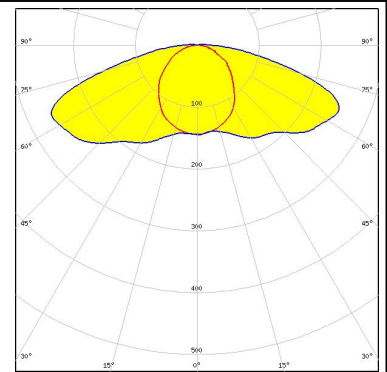
#### OSRAM

LED PL-LIN-IND-Z1 2800 560x24  
 FWHM / FWTM Asymmetric  
 Efficiency 78 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



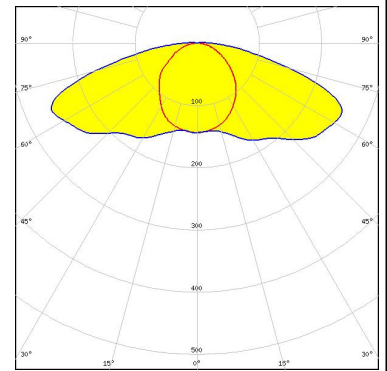
#### OSRAM

LED PL-LIN-Z5 1100 280x20  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

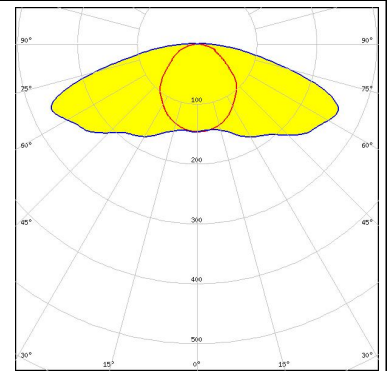
LED PL-LIN-Z5 2000 280x20  
 FWHM / FWTM Asymmetric  
 Efficiency 74 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

LED Duris S5 (2 chip)  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

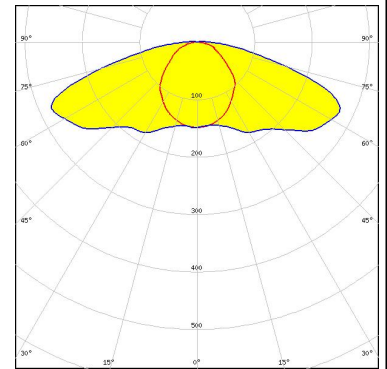


### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

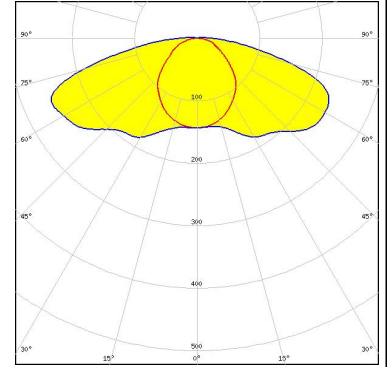
Opto Semiconductors

LED Duris S5 (Single chip)  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



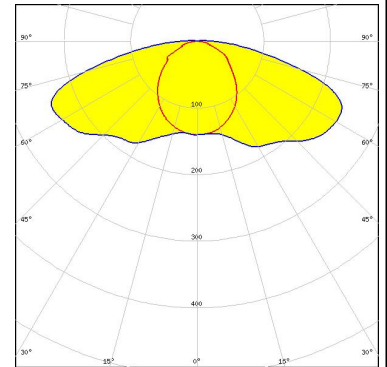
#### PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4  
 FWHM / FWTM Asymmetric  
 Efficiency 73 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



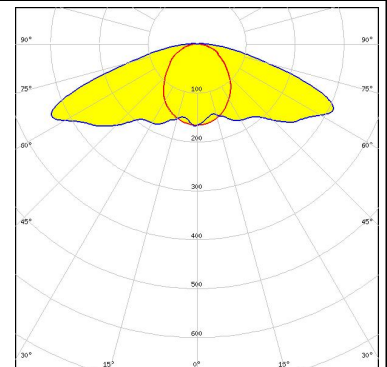
#### PHILIPS

LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4  
 FWHM / FWTM Asymmetric  
 Efficiency 73 %  
 Peak intensity 0.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

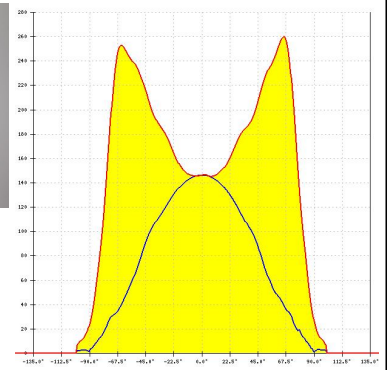
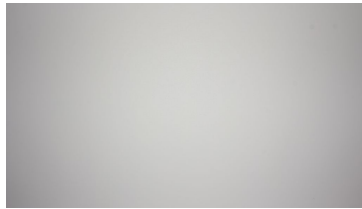
LED LM28xB Series  
 FWHM / FWTM Asymmetric  
 Efficiency 82 %  
 Peak intensity 0.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

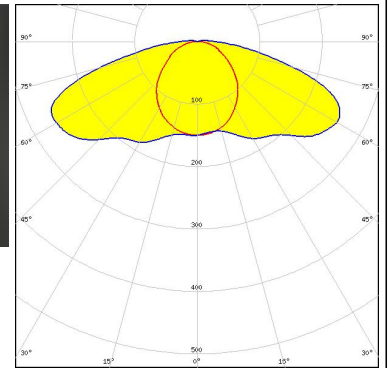
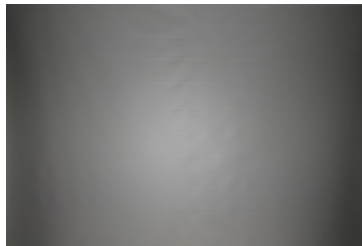
#### SAMSUNG

LED LM301B  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



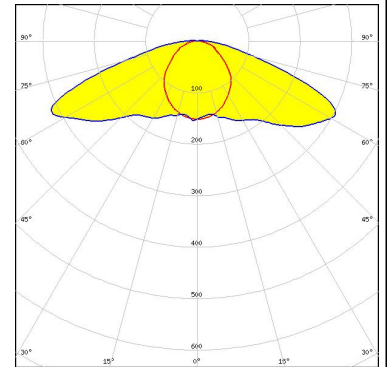
#### SAMSUNG

LED LM561B Plus  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



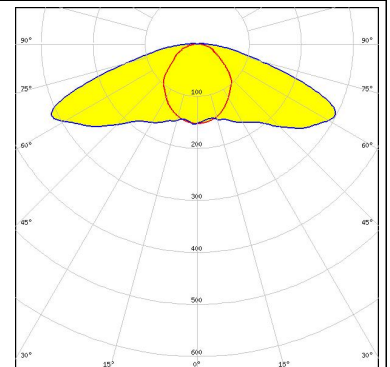
#### SAMSUNG

LED LT-H282C  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

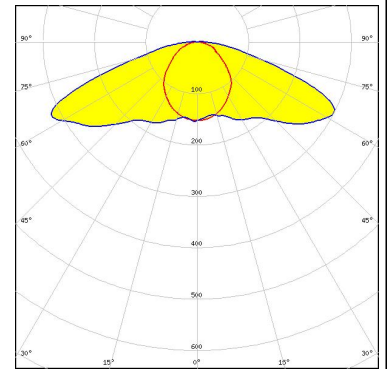
LED LT-Q282B  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

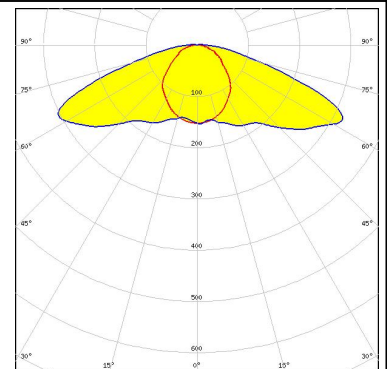
#### SAMSUNG

LED LT-S282H  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

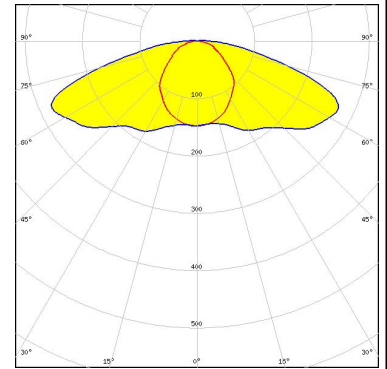


#### SAMSUNG

LED LT-V282E  
 FWHM / FWTM Asymmetric  
 Efficiency 77 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

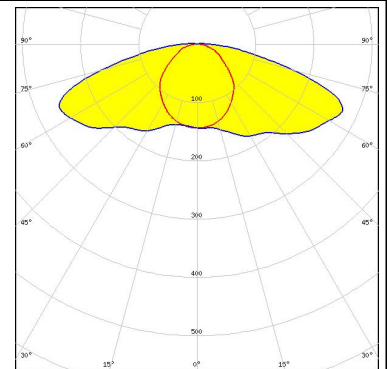


LED SEOUL DC 3030  
 FWHM / FWTM Asymmetric  
 Efficiency 76 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### TRIDONIC

LED LLE G4 24x280mm 1250lm  
 FWHM / FWTM Asymmetric  
 Efficiency 75 %  
 Peak intensity 0.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

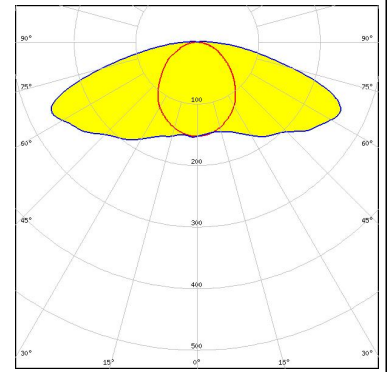




### PHOTOMETRIC DATA (MEASURED):

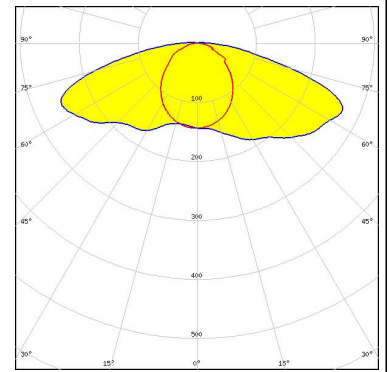
#### TRIDONIC

LED LLE G4 24x280mm 2000lm ADV  
FWHM / FWTM Asymmetric  
Efficiency 75 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


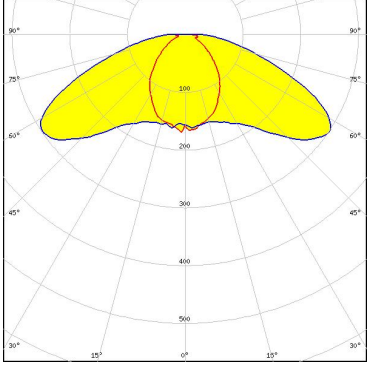

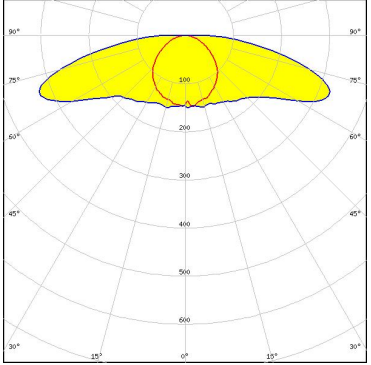


#### TRIDONIC

LED LLE G4 24x280mm 650lm  
FWHM / FWTM Asymmetric  
Efficiency 75 %  
Peak intensity 0.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

		
LED	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	Asymmetric	
Efficiency	75 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	SEOUL DC 3030C	
FWHM / FWTM	Asymmetric	
Efficiency	79 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
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.

### 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

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [LED Lighting Lenses](#) category:*

*Click to view products by [Ledil](#) manufacturer:*

Other Similar products are found below :

[LL01ED-AK40L06](#) [LL01ZZ-EX25L06-M2](#) [180182-0000](#) [LL01ED-ALI55R49](#) [C14707\\_IDA16-O](#) [C12231\\_LENA-FRESNEL-LENS](#)  
[LL01ED-AKY24R49](#) [LL01CR-AYG15R49](#) [LL01CR-OT32L06-M2](#) [LL01ZZ-AAA24L49](#) [LL01CR-CEN38L02](#) [LL01ZZ-AAA55L49](#)  
[LL01CR-AYG24R49](#) [LL01A00CZMB2-M2](#) [LL01ED-AKY38R49](#) [LL01CR-CNE2545L06-M2](#) [LL01ZZ-AAA38L49](#) [LL01ED-AKV36R49](#)  
[LL01ED-ALI24R49](#) [LL01CR-AYG38R49](#) [C17171\\_DAISSY-8X1-SHD-MATT](#) [F16859\\_LINDA-ZT25](#) [C17295\\_ILONA-ZOOM](#)  
[F16636\\_LINDA-W60](#) [C17362\\_DAISSY-7X1-W-D](#) [C17361\\_DAISSY-7X1-WW-D](#) [10003](#) [10003/15](#) [10048](#) [10049](#) [10108](#) [10510](#)  
[F14487\\_FLORENCE-1R-MAXI-WG](#) [12667](#) [C14165\\_STRADA-2X2-ME-WIDE2](#) [C14605\\_HB-2X2-RW](#) [C14642\\_FLORENCE-1R-UP](#)  
[CAY033](#) [CAY046/55](#) [FCX11157\\_RES-O-90](#) [OS-LRI2015X45S](#) [OSOLRA2015M](#) [PG1C-NX36](#) [PG1C-SX17](#) [PM2A-SXV1](#) [PM2B-NX55-](#)  
[AW](#) [PM6A-FN25](#) [FC2231-0000-0050-L](#) [FC2231-0000-0100-L](#) [C14116\\_STRADA-2X2-PX](#)