

## BILLIE-A

Asymmetric beam for billboards. Assembly with holder.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.5 mm
Height	16.1 mm
Fastening	pin
ROHS compliant	yes ⓘ

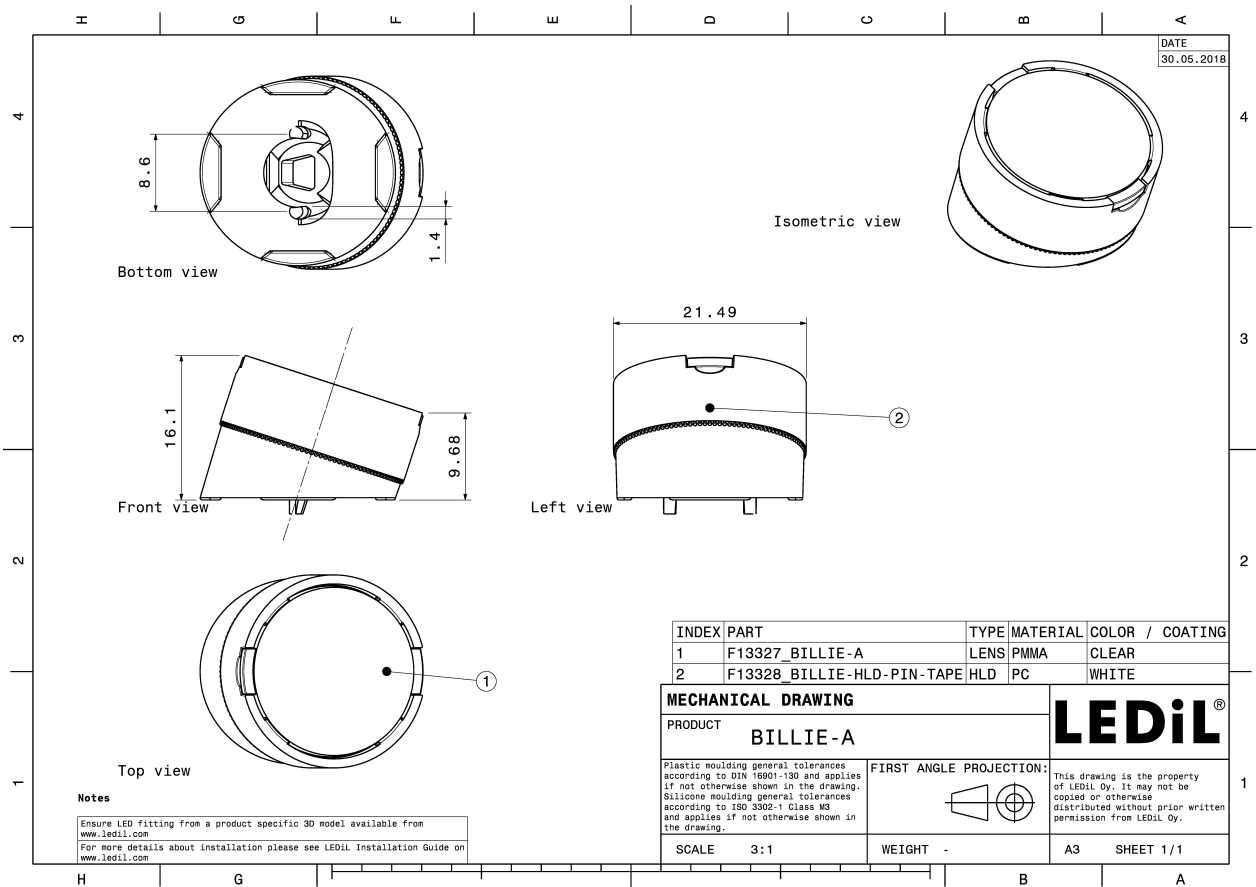


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
BILLIE-A	Single lens	PMMA	clear	
BILLIE-HLD-PIN-TAPE	Holder	PC	white	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN13888_BILLIE-A	Single lens	1344	96	96	0.0
» Box size:					



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

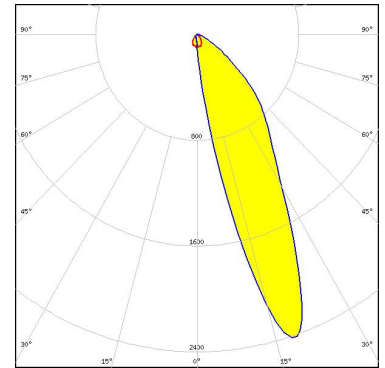
### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM Asymmetric  
Efficiency 85 %  
Peak intensity 2.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-E  
FWHM Asymmetric  
Efficiency 89 %  
Peak intensity 2.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE

LED XP-G  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 2.2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS

LED LUXEON A  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 2.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

## PHOTOMETRIC DATA (MEASURED):

### LUMILEDS

LED LUXEON R  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

### LUMILEDS

LED LUXEON Rebel  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 2.2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

### LUMILEDS

LED LUXEON Rebel ES  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

### NICHIA

LED NCSxx19A  
FWHM Asymmetric  
Efficiency 86 %  
Peak intensity 2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

## PHOTOMETRIC DATA (MEASURED):



LED NF2x757A  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

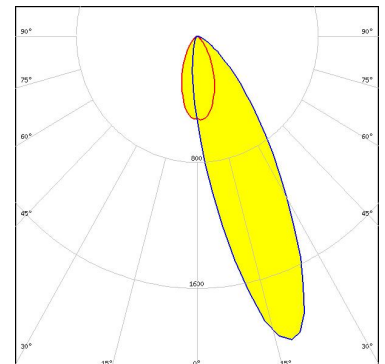
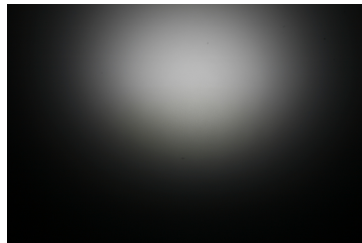


LED NVSxx19A  
FWHM Asymmetric  
Efficiency 85 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



Opto Semiconductors

LED Duris S5 (2 chip)  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



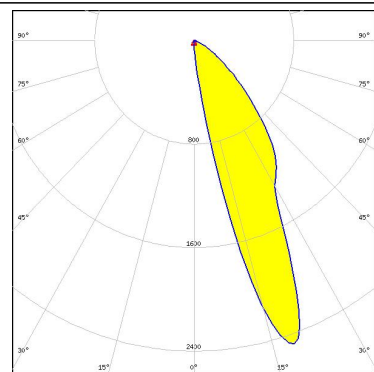
Opto Semiconductors

LED OSOLON SSL 150  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

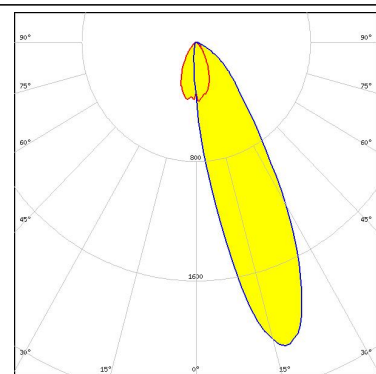
LED OSLON SSL 80  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



LED NF2x757G  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 2.1 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:

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