



# PRODUCT DATASHEET

## HighBay series

last update 29/11/2017

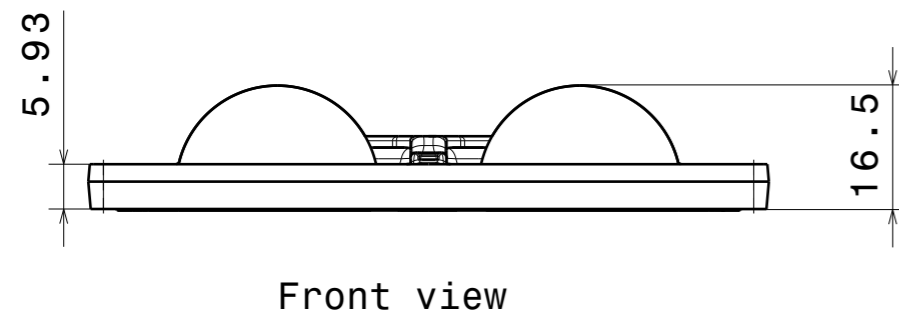
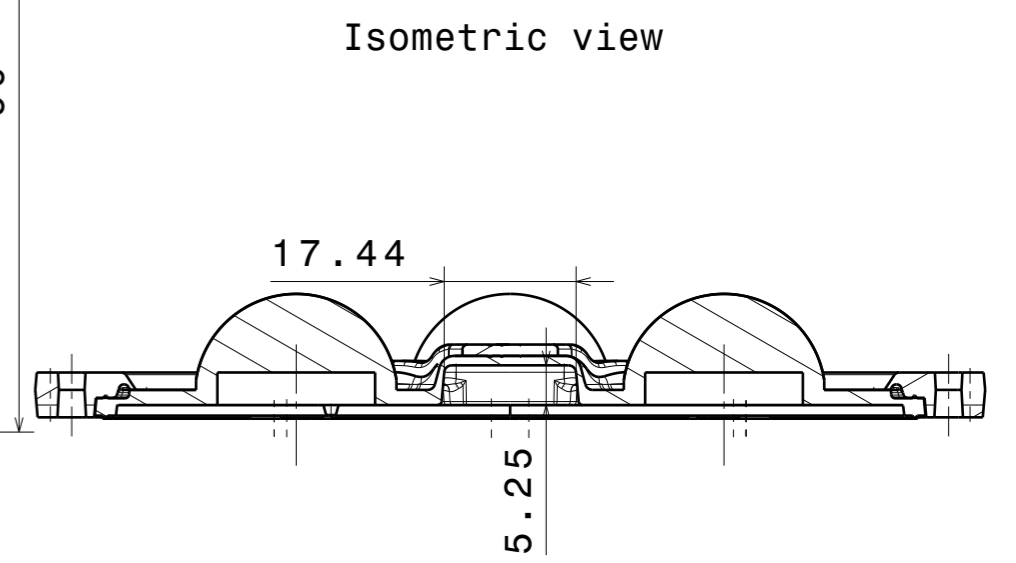
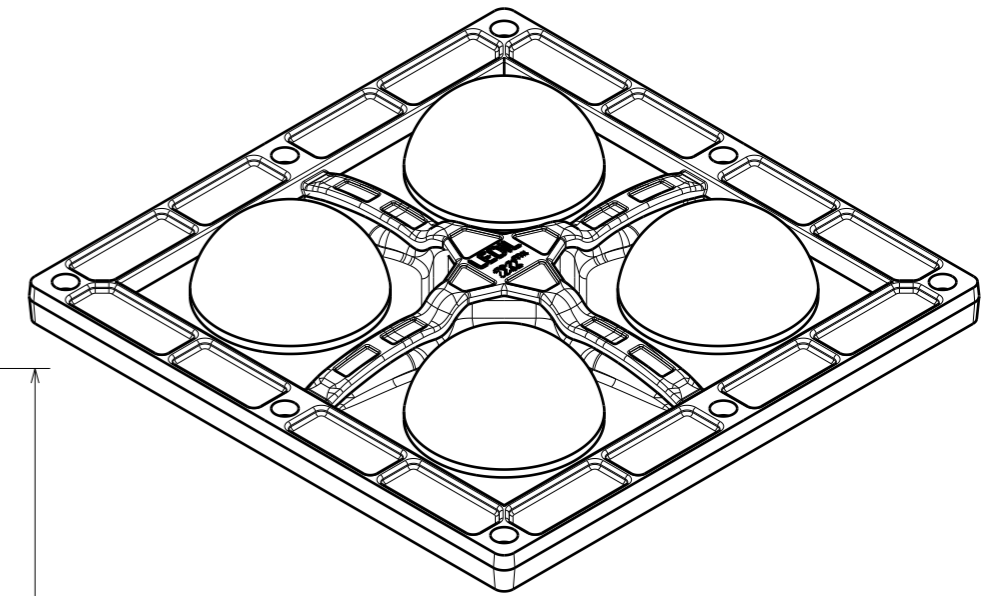
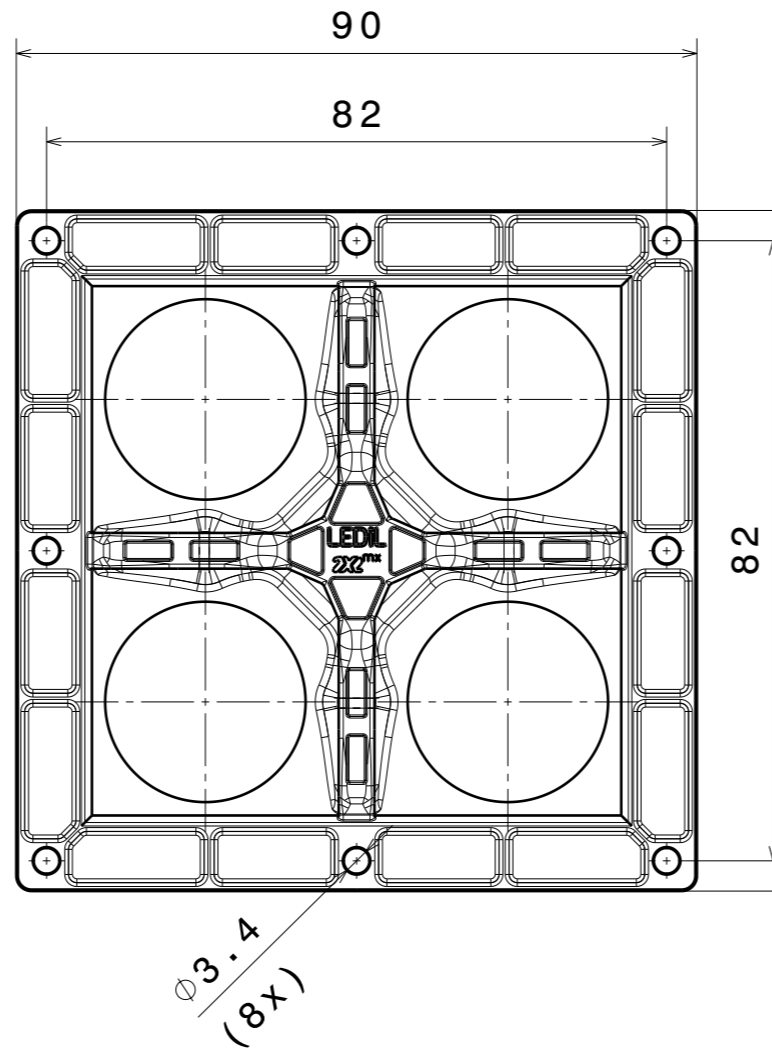
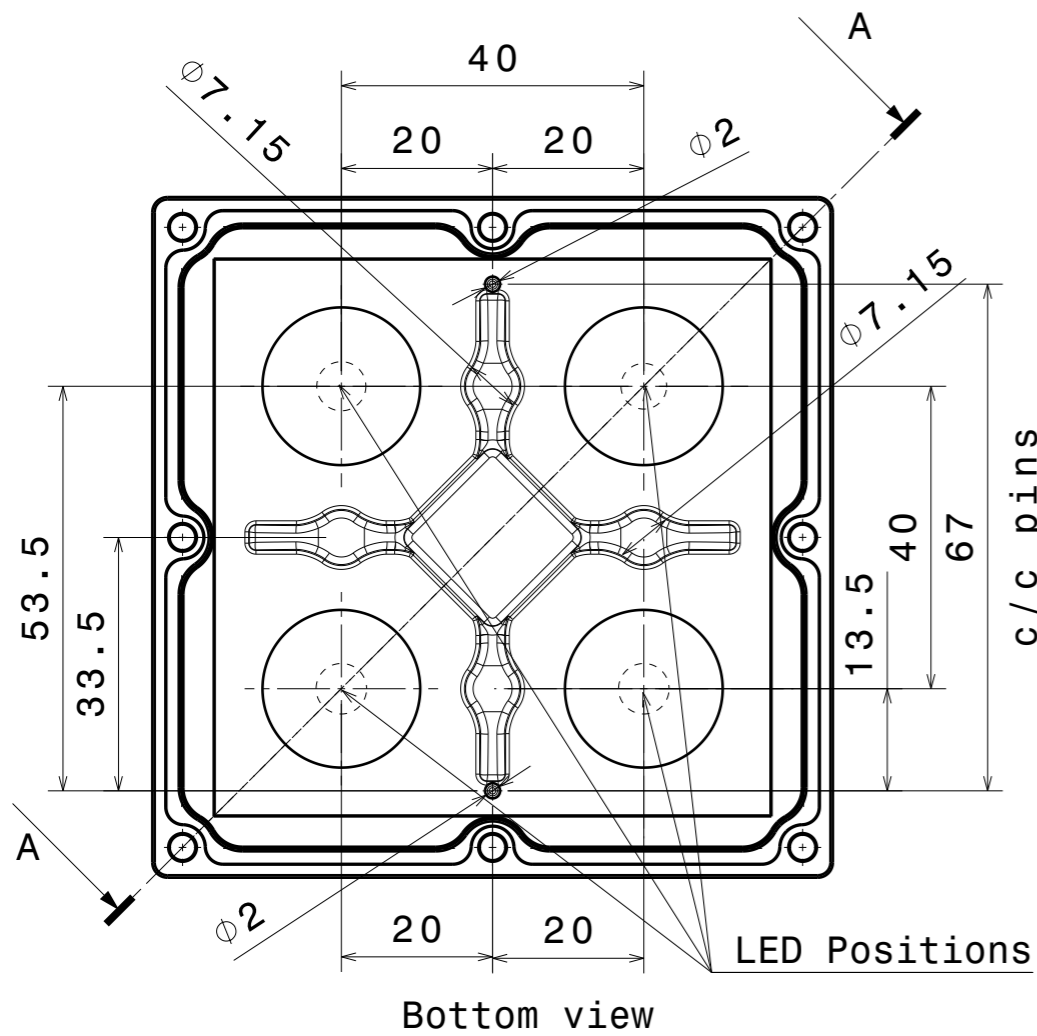
### DETAILS

<b>Product Number</b>	FP15898_HB-2X2MXS-WW
<b>Family</b>	HighBay
<b>Type</b>	Pack
<b>Color</b>	clear
<b>Diameter</b>	90x90 mm
<b>Height</b>	16,5 mm
<b>Style</b>	square
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	production ready
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	29/11/2017



### OPTICAL PROPERTIES

LED	Viewing Angle	Light Beam	Efficiency	cd/lm	Connector
SMD 5050	sim: 57	Very Wide	sim: 92 %	sim: 1.110	-
CLU700/701	sim: 52	Very Wide	sim: 89 %	sim: 1.240	Bender Wirth: 434 Typ 2x2MX HV
XHP70.2	61 deg	Very Wide	91 %	0.960	-



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F14813	STRADA-2X2MXS-FRAME	PA GF	black
2	F15843	HB-2X2MXS-WW	Silicone	

Tolerances if not otherwise shown  
 According to DIN ISO 2768-1  
 Linear measures:  
 up to 30mm class M, otherwise class C  
 According to DIN ISO 2768-2  
 Form and position: class L

**LEDiL** LediL Oy  
 Salorankatu 10  
 FIN 24240 SALO  
 Finland

THIRD ANGLE PROJECTION:

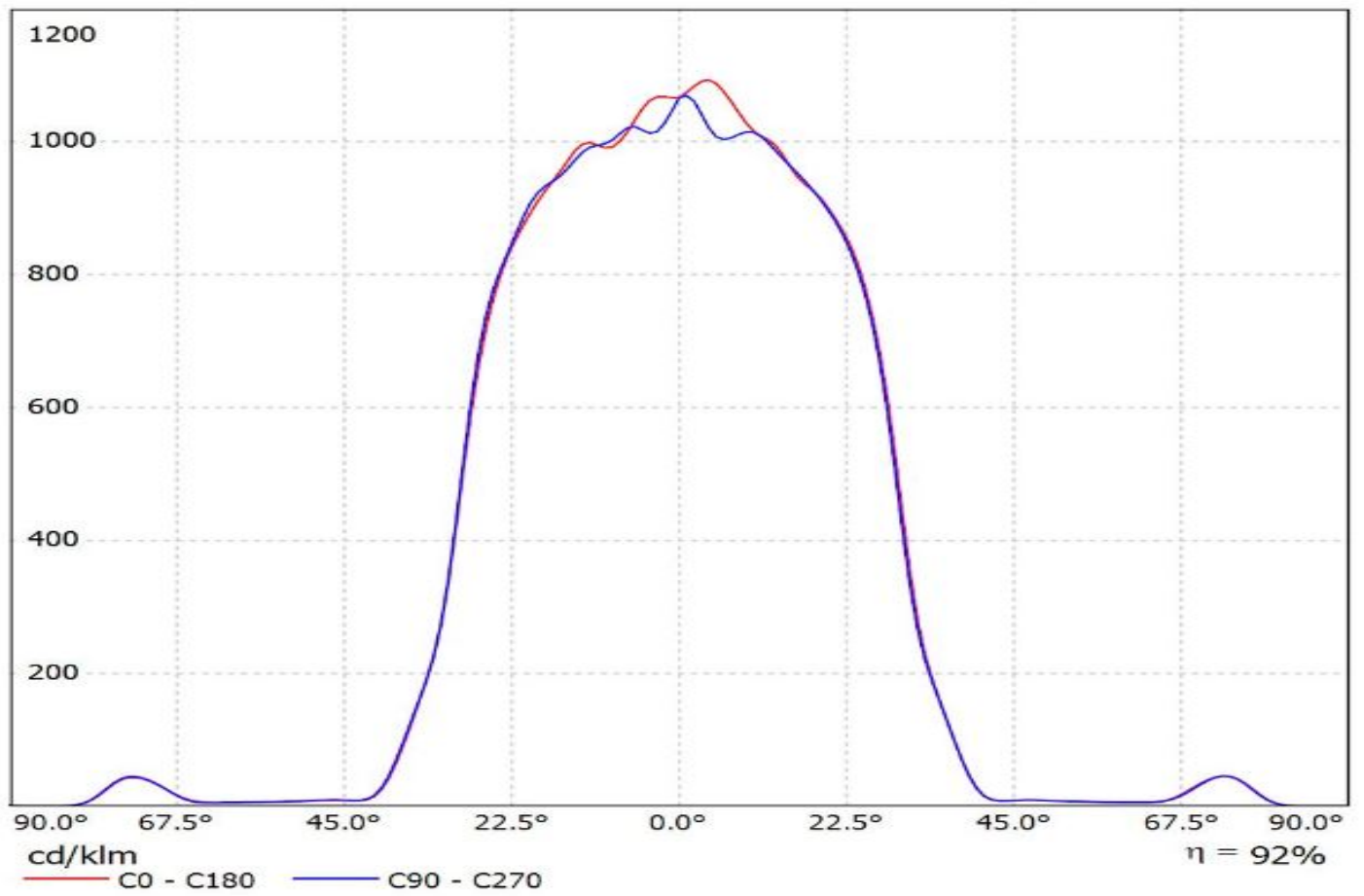
DRAWING TITLE  
**FP15898\_HB-2X2MXS-WW Datasheet**

This drawing is the property  
 of LEDiL Oy. It may not be  
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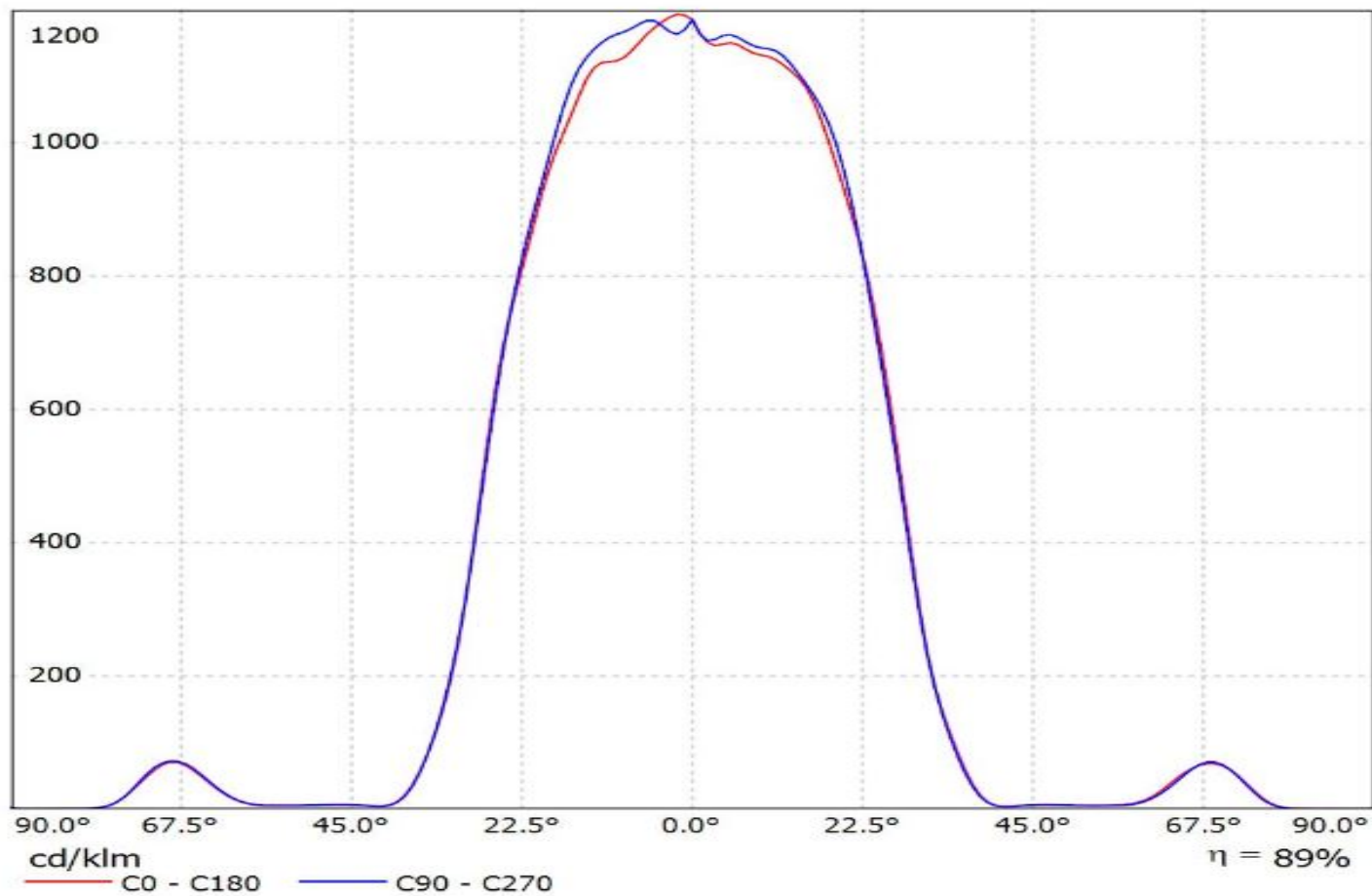
SIZE	PART NUMBER
<b>A3</b>	<b>FP15898</b>

SCALE	1:1	WEIGHT	40,1 g	SHEET	1/1
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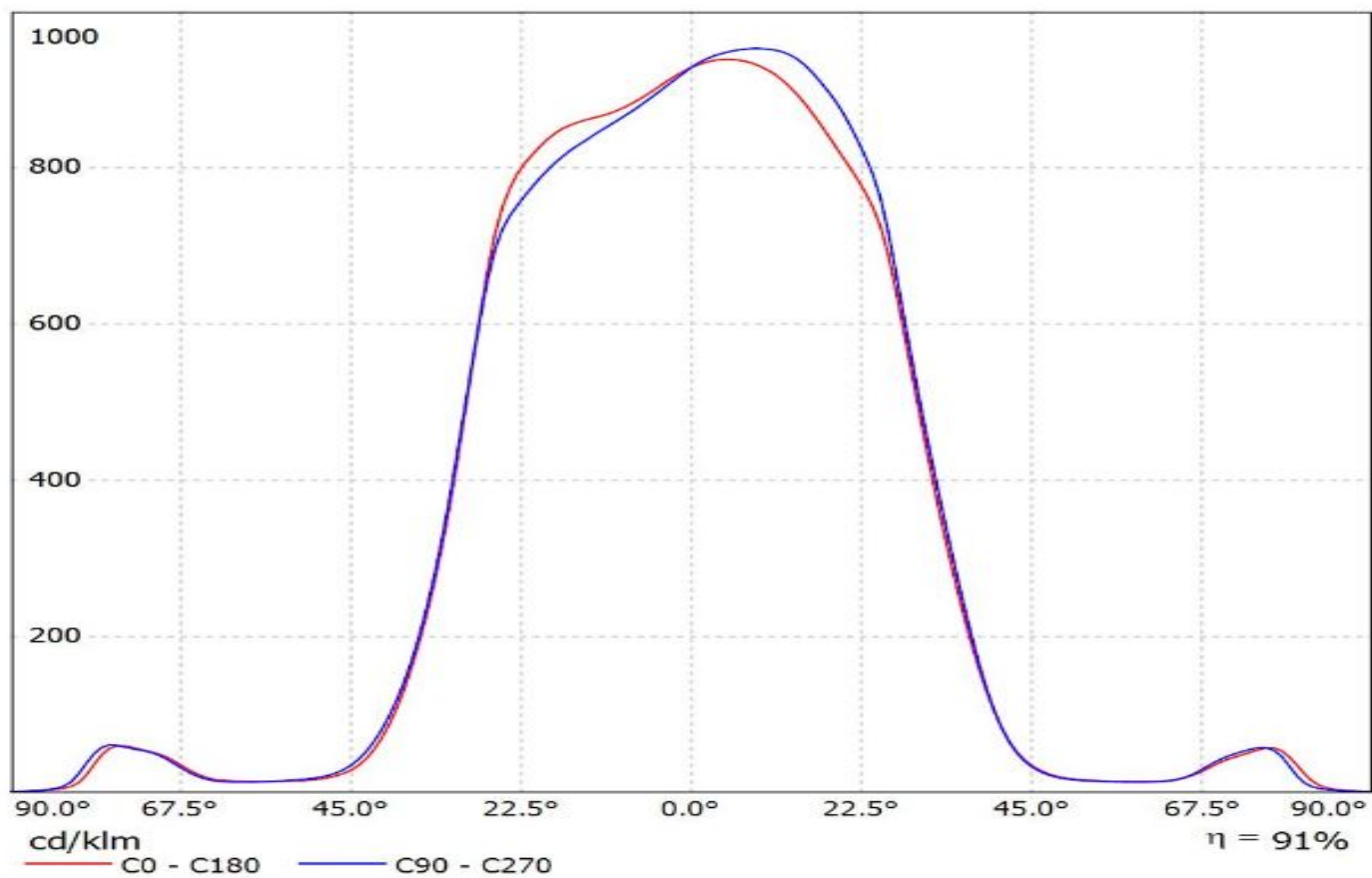
Luminaire: Ledil Oy FP15898\_HB-2X2MXS-WW\_BRIDGELUX\_SMD\_5050\_SIMULATED  
Lamps: 1 x BRIDGELUX SMD 5050



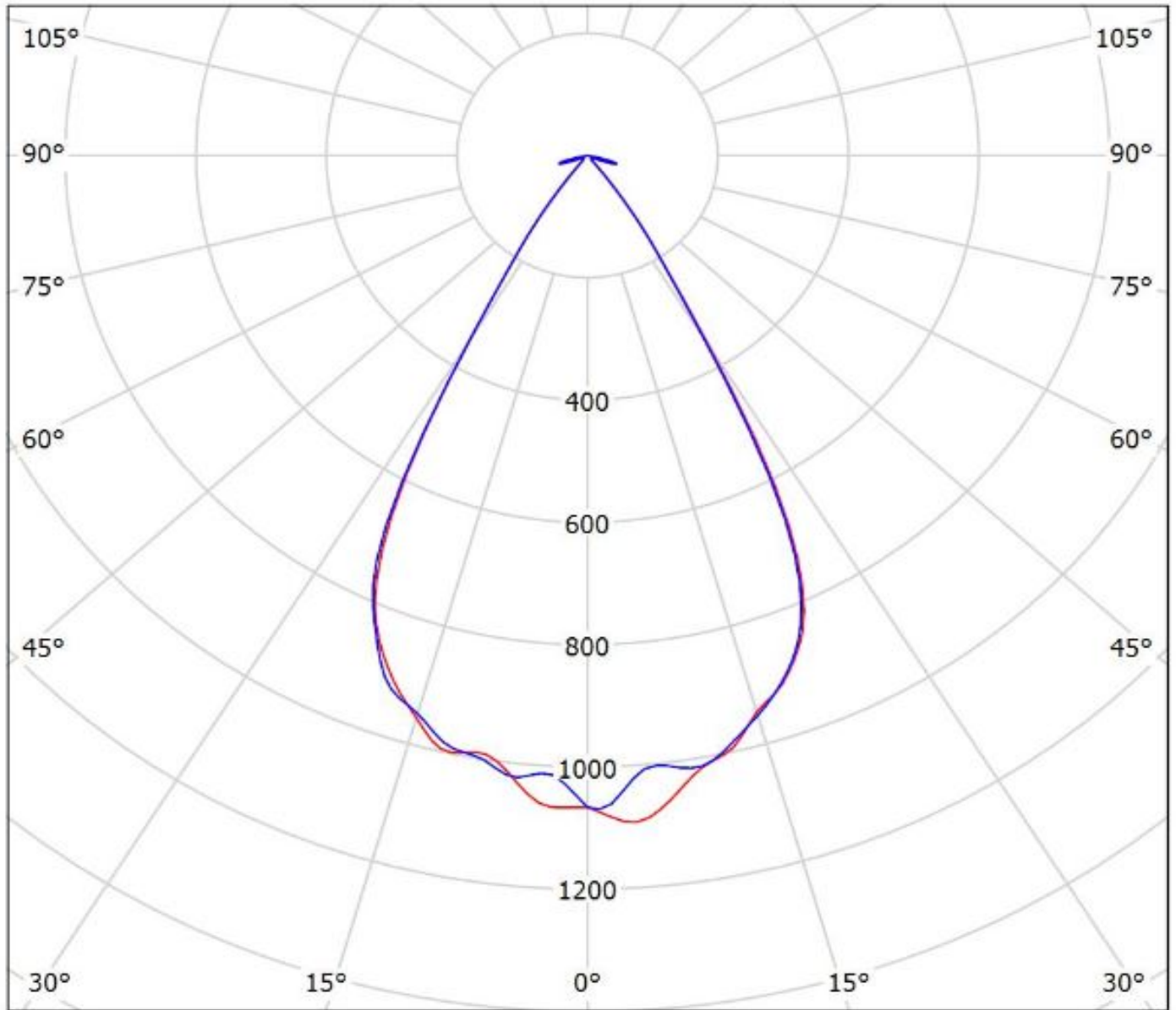
Luminaire: Ledil Oy FP15898\_HB-2X2MXS-WW\_(CLU701)\_SIMULATED  
Lamps: 1 x Citizen CLU701



Luminaire: Ledil FP15898\_HB-2X2MXS-WW\_(XHP70.2)  
Lamps: 1 x Cree\_XHP70.2\_2x2MX\_(XHD70B-0-50F-P40-D0-B-01)  
\_1089.48lm@250mA\_CCT=5000K\_P=5.38809W\_U=21.561V



Luminaire: Ledil Oy FP15898\_HB-2X2MXS-WW\_BRIDGELUX\_SMD\_5050\_SIMULATED  
Lamps: 1 x BRIDGELUX SMD 5050



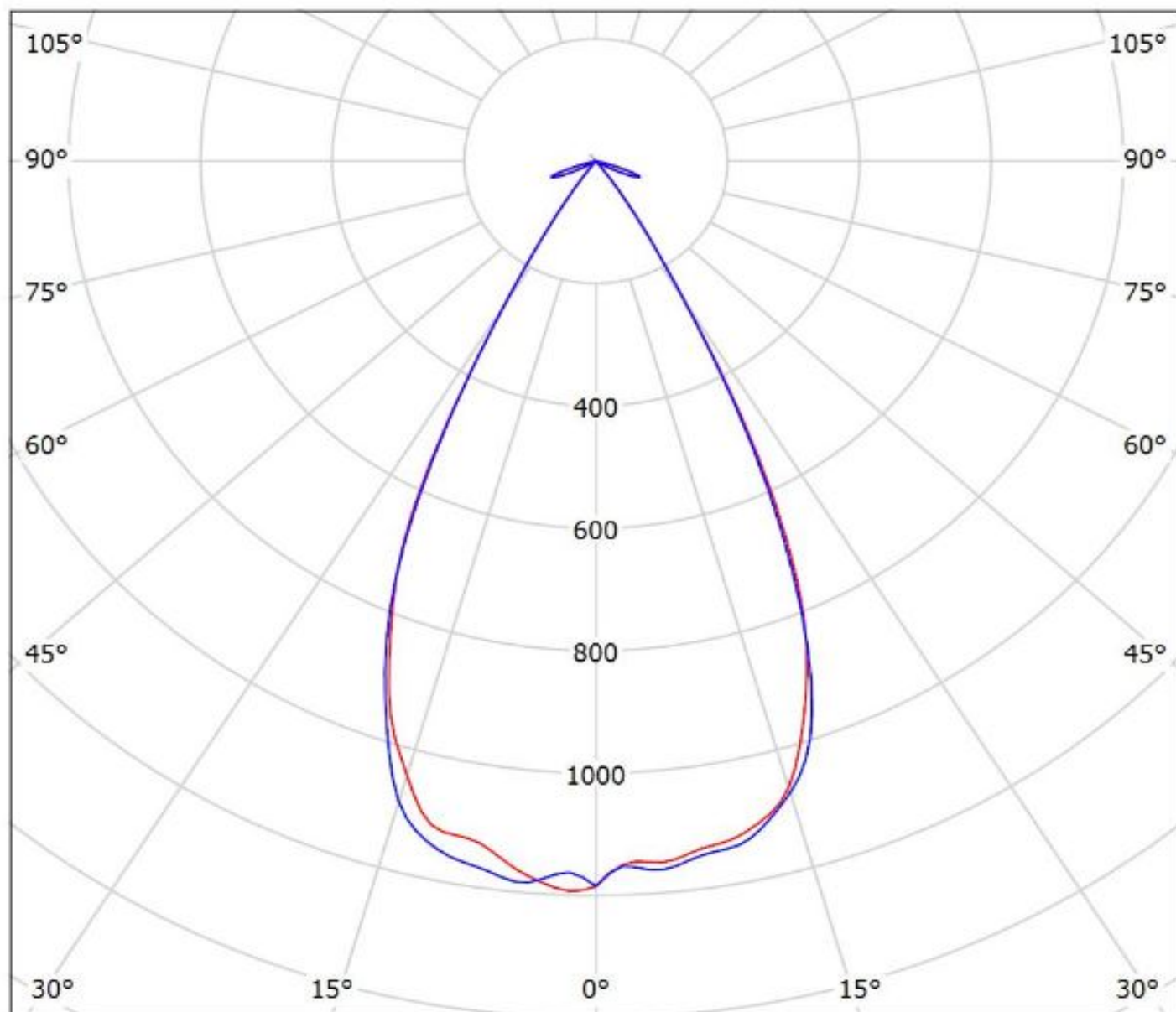
cd/klm

— C0 - C180 — C90 - C270

$\eta = 92\%$

Luminaire: Ledil Oy FP15898\_HB-2X2MXS-WW\_(CLU701)\_SIMULATED

Lamps: 1 x Citizen CLU701



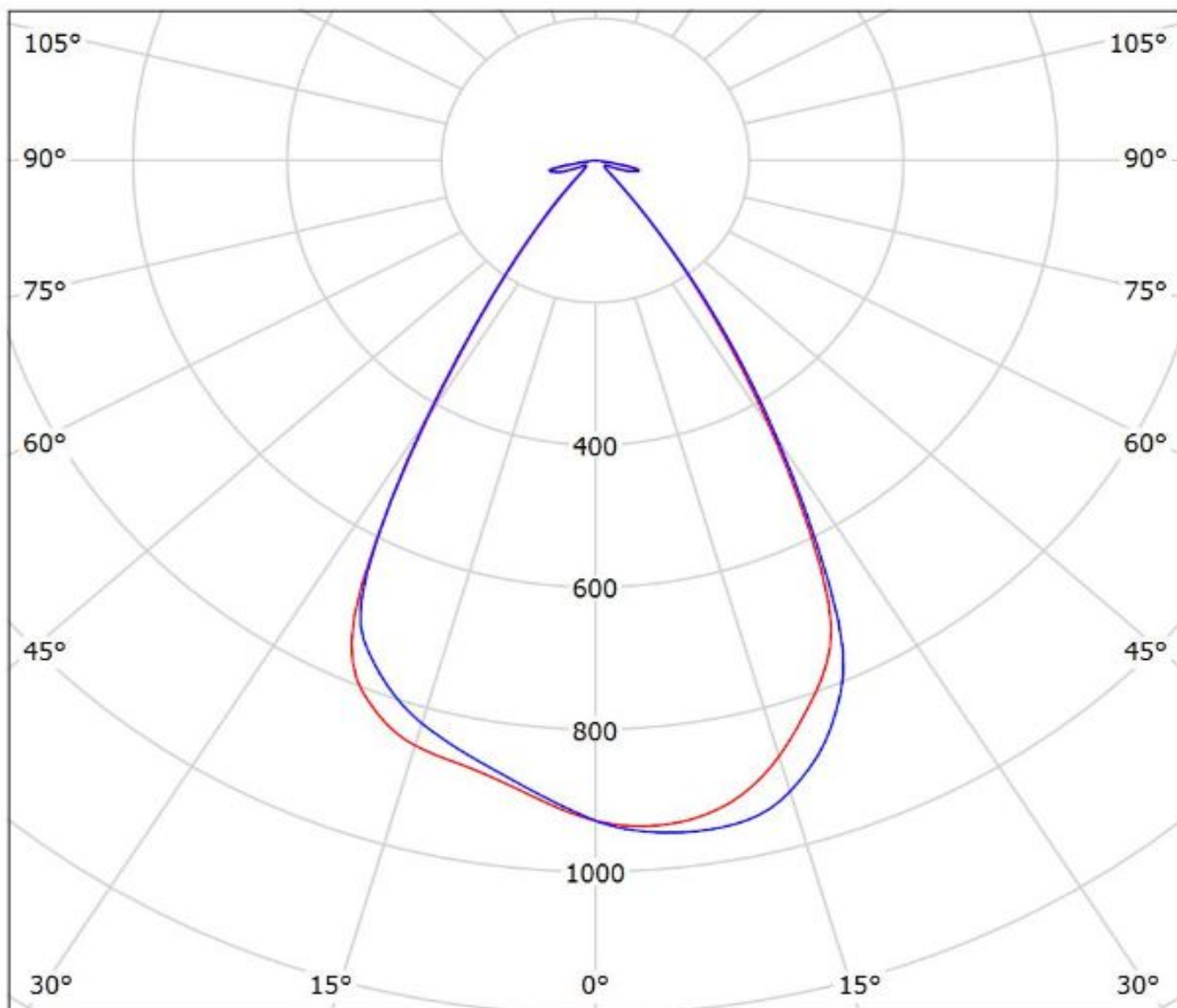
cd/klm

— C0 - C180

— C90 - C270

$\eta = 89\%$

Luminaire: Ledil FP15898\_HB-2X2MXS-WW\_(XHP70.2)  
Lamps: 1 x Cree\_XHP70.2\_2x2MX\_(XHD70B-0-50F-P40-D0-B-01)  
\_1089.48lm@250mA\_CCT=5000K\_P=5.38809W\_U=21.561V



cd/klm  
— C0 - C180    — C90 - C270

$\eta = 91\%$

**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**

### **GENERAL INFORMATION**

- Product series especially designed & optimized for series of LEDs.
- Special care taken to make light distribution as uniform as possible.

Note! 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.