



# PRODUCT DATASHEET

## Florence series

last update 16/10/2017

### DETAILS

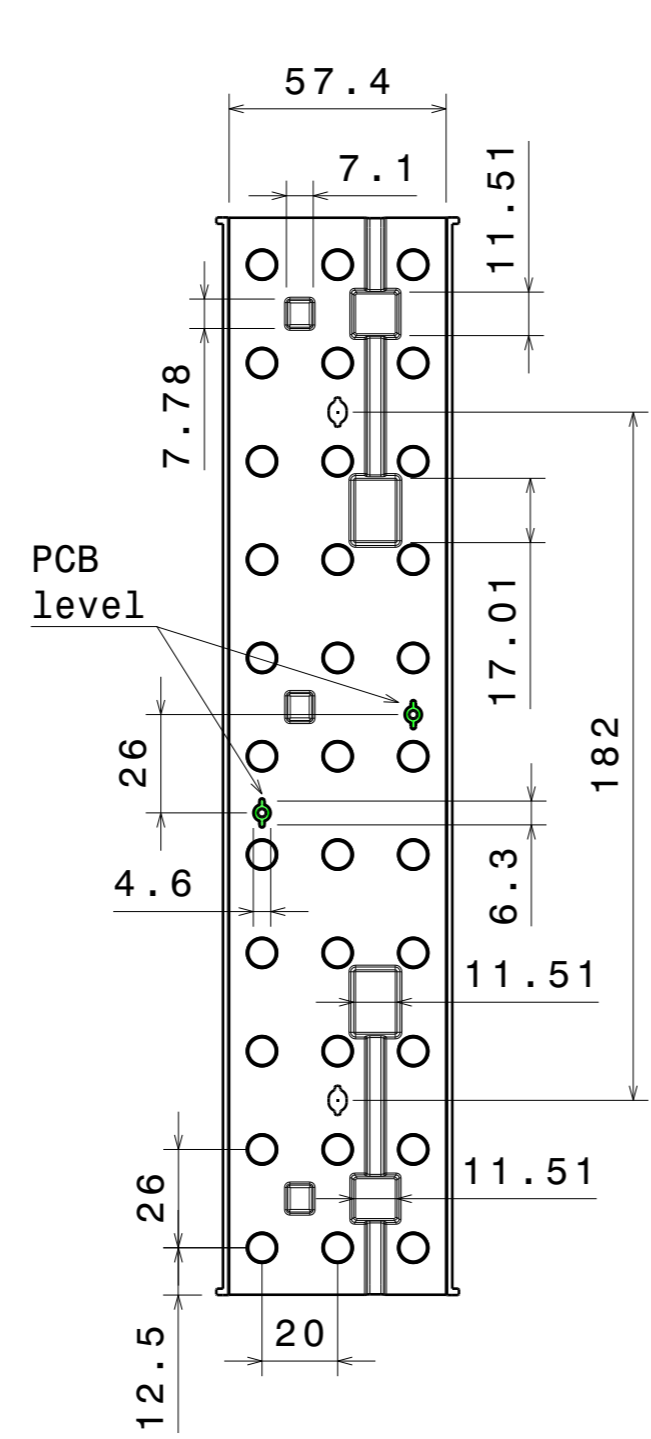
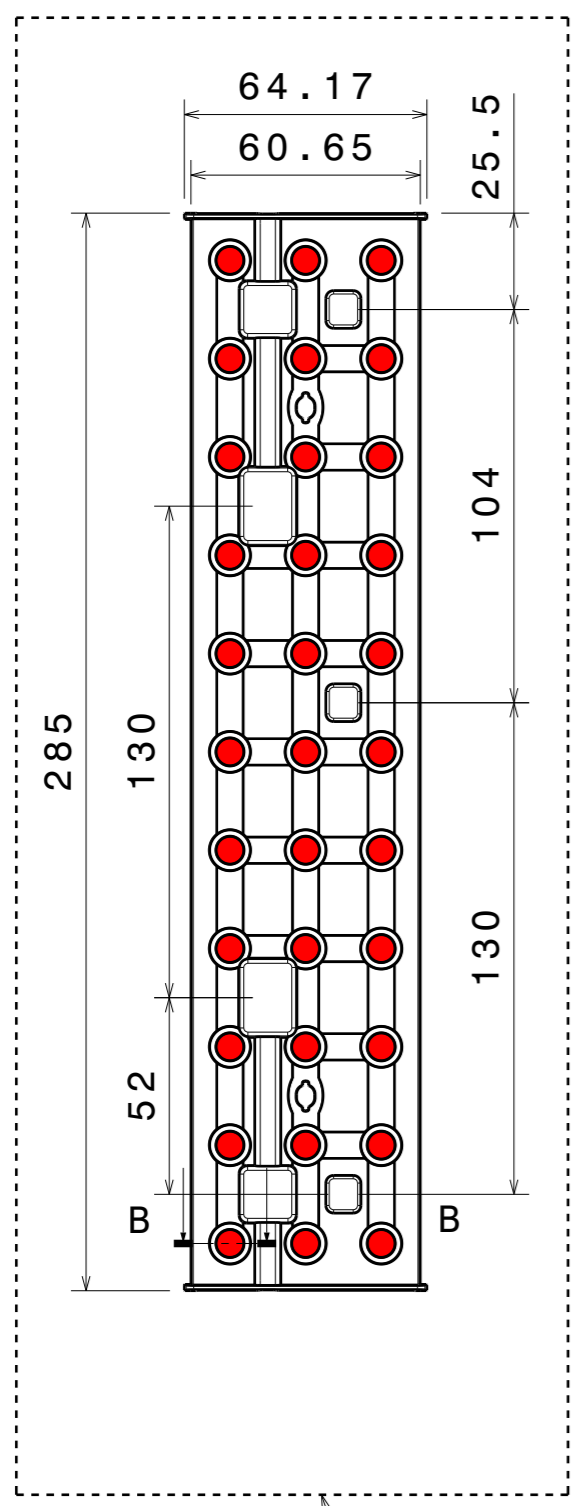
<b>Product Number</b>	F16007_FLORENCE2-Z90
<b>Family</b>	Florence
<b>Type</b>	Lens array
<b>Color</b>	clear
<b>Diameter</b>	mm
<b>Height</b>	mm
<b>Style</b>	rectang
<b>Optic Material</b>	
<b>Holder Material</b>	
<b>Fastening</b>	screw
<b>Status</b>	sample approved
<b>ROHS Compliant</b>	Yes
<b>Date Updated</b>	16/10/2017



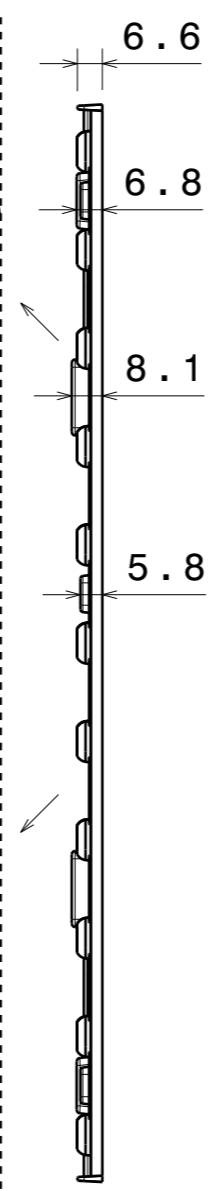
### OPTICAL PROPERTIES

LED	Viewing	Light	Effi-	cd/lm	Connector
	Angle	Beam	ciency		
Duris E5	sim: 85	WWW-class	sim: 94 %	sim: 0.580	-
Fortimo LED Line 1ft 650lm 8x0 3R xV2/	85 deg	WWW-class	94 %	0.590	-
LM561B Plus	81 deg	WWW-class	94 %	0.620	-
SEOUL 3528	sim: 83	WWW-class	sim: 92 %	sim: 0.580	-

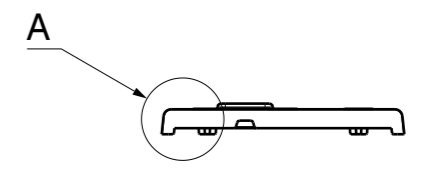
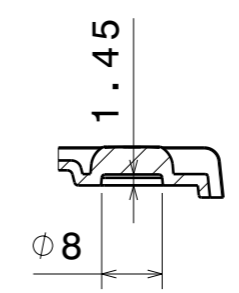
H G F E D C B A



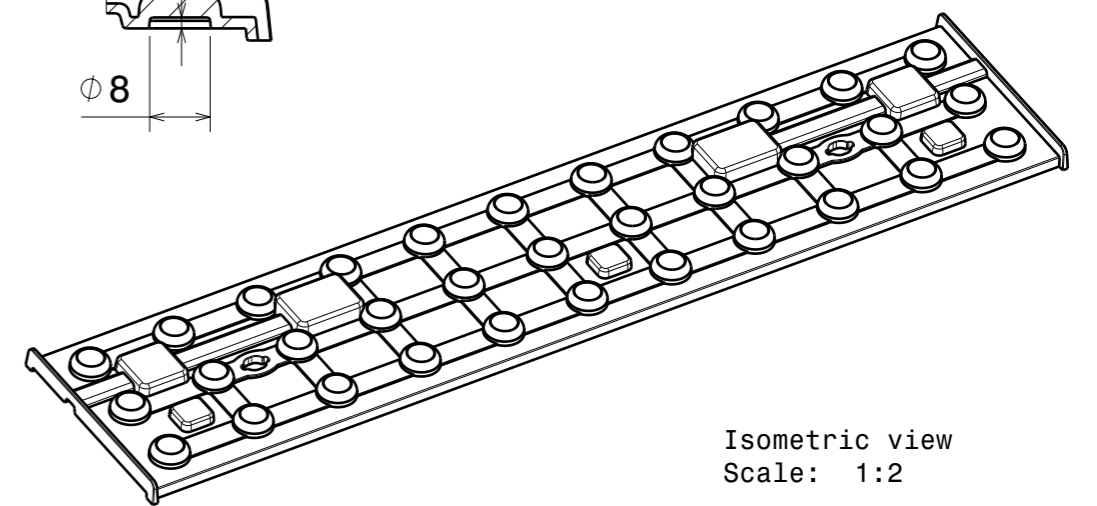
Direction of the light beam



Section view B-B  
Scale: 1:1



Detail A  
Scale: 1:1



Isometric view  
Scale: 1:2

Direction of the light beam

**Notes**

- PCB or heat sink level
  - Led location
- Ensure LED fitting from a product specific 3D model available from [www.ledil.com](http://www.ledil.com)
- See installation details page 2.

**COMPONENTS**

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR/COATING
1	F16007_Florence2-Z90	LENS	PMMA	CLEAR

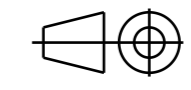
**MECHANICAL DRAWING**

PRODUCT  
F16007\_Florence2-Z90

**LEDiL**®

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

FIRST ANGLE PROJECTION:



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SCALE	1:2	SIZE	A3	SHEET	1/2
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H G B A

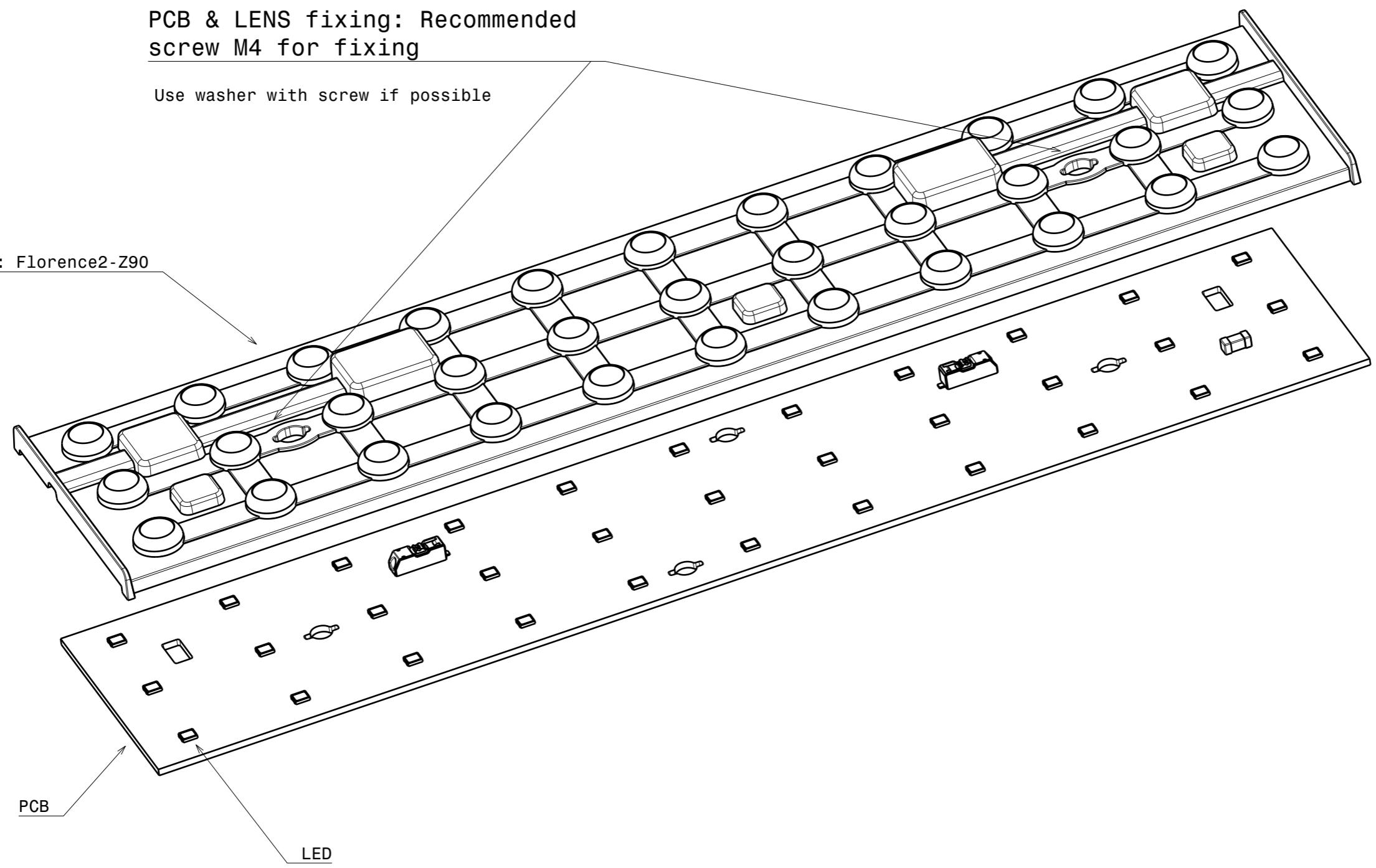
PCB & LENS fixing: Recommended screw M4 for fixing

Use washer with screw if possible

Lens: Florence2-Z90

PCB

LED

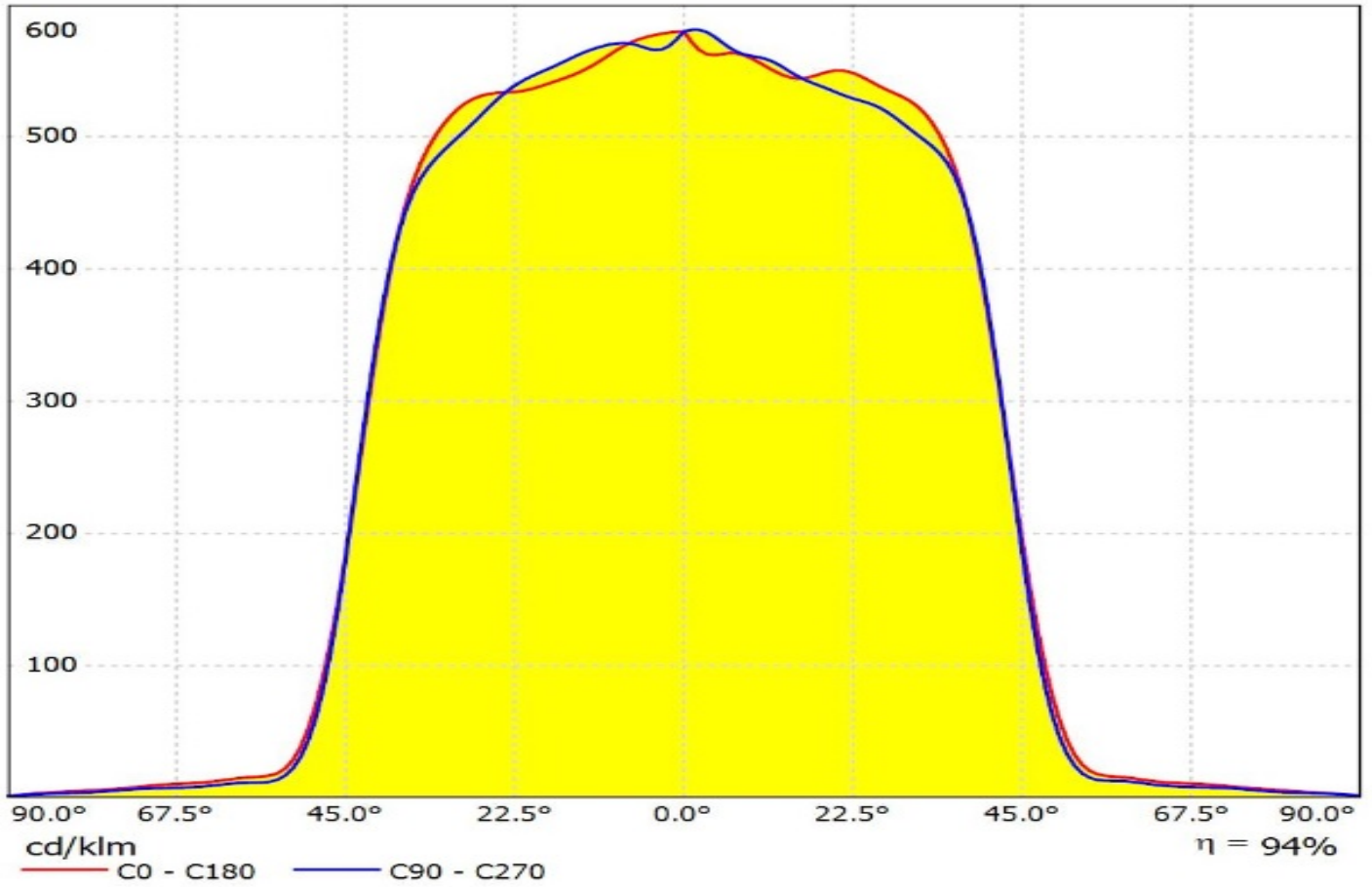


**Notes**

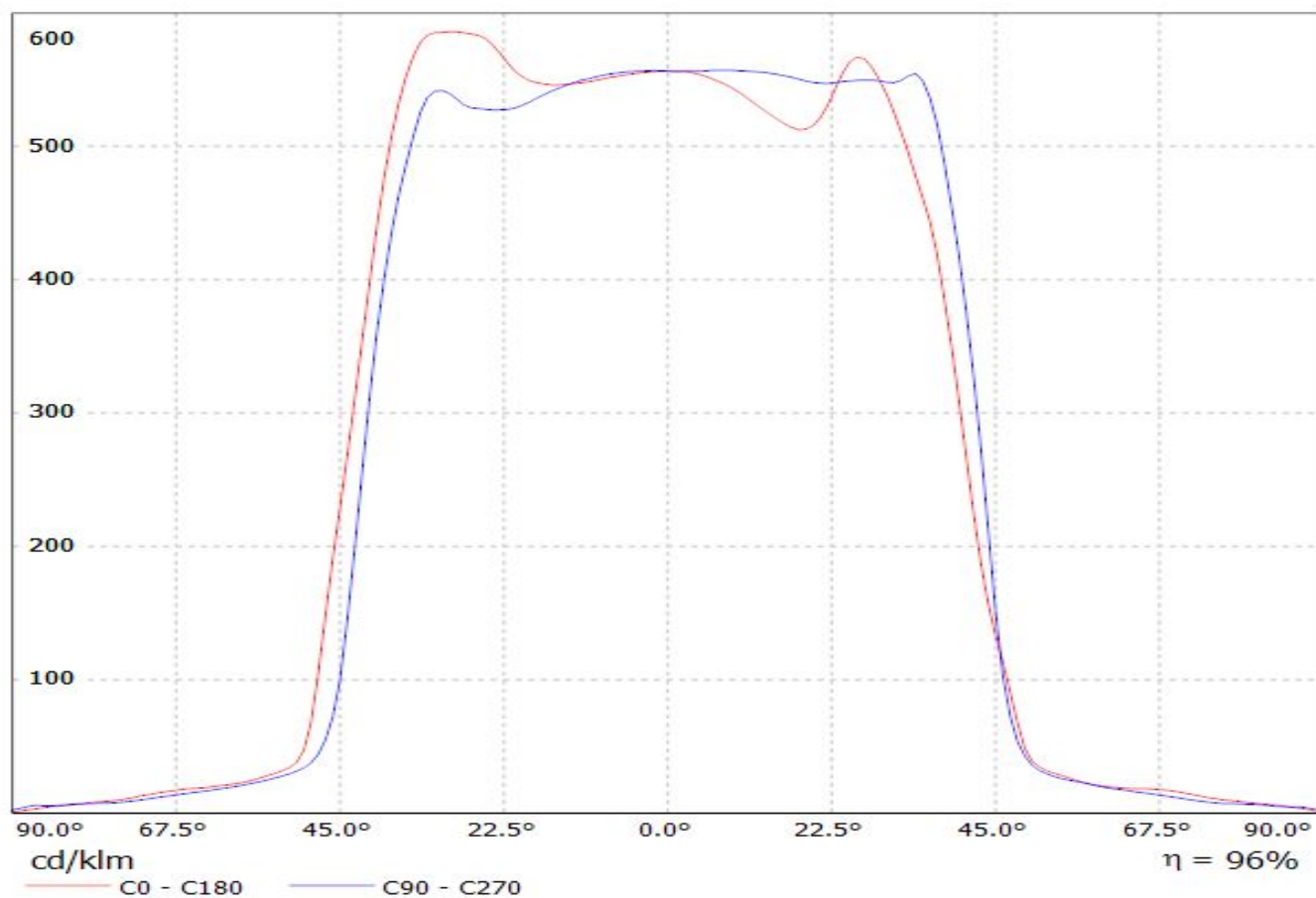
For more details about installation please see LEDiL Installation Guide on [www.ledil.com](http://www.ledil.com)

<b>MECHANICAL DRAWING</b>		<b>LEDiL</b> <sup>®</sup>
PRODUCT F16007_Florence2-Z90		
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	FIRST ANGLE PROJECTION: 	This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.
SCALE	1:1	SIZE A3 SHEET 2/2

Luminaire: Ledil Oy F16007\_FLORENCE2-Z90\_(Duris\_E5)\_SIMULATED  
Lamps: 1 x Osram Duris E5

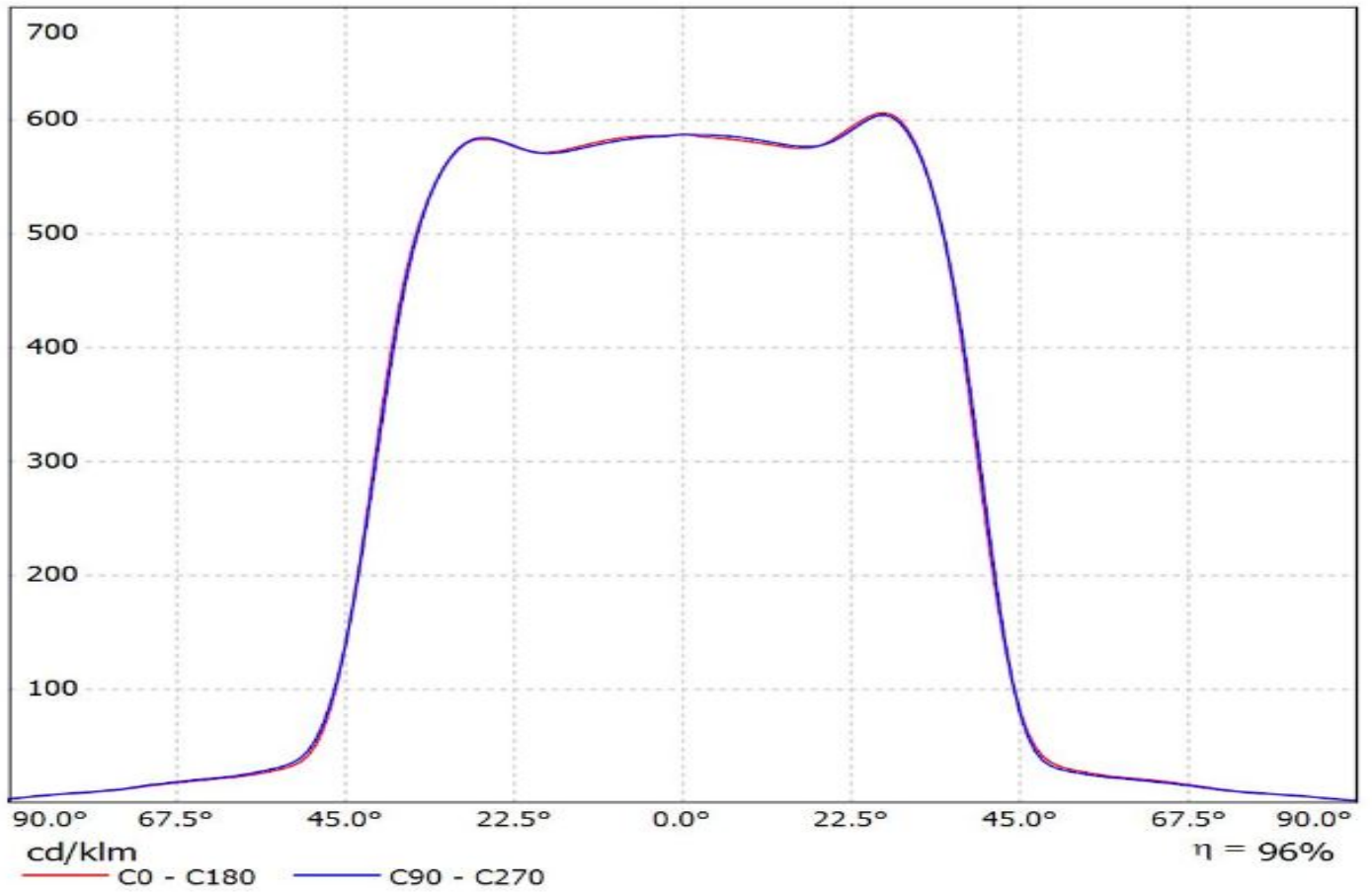


Luminaire: LEDiL Oy F16007\_FLORENCE2-Z90\_(Fortimo\_LED\_Line\_1ft\_650lm\_840\_3R\_LV3)  
Lamps: 1 x Philips\_Fortimo\_LED\_Line\_1ft\_650lm\_840\_3R\_LV3\_1127.07lm@250mA\_P=8.20339W\_η=0.250A

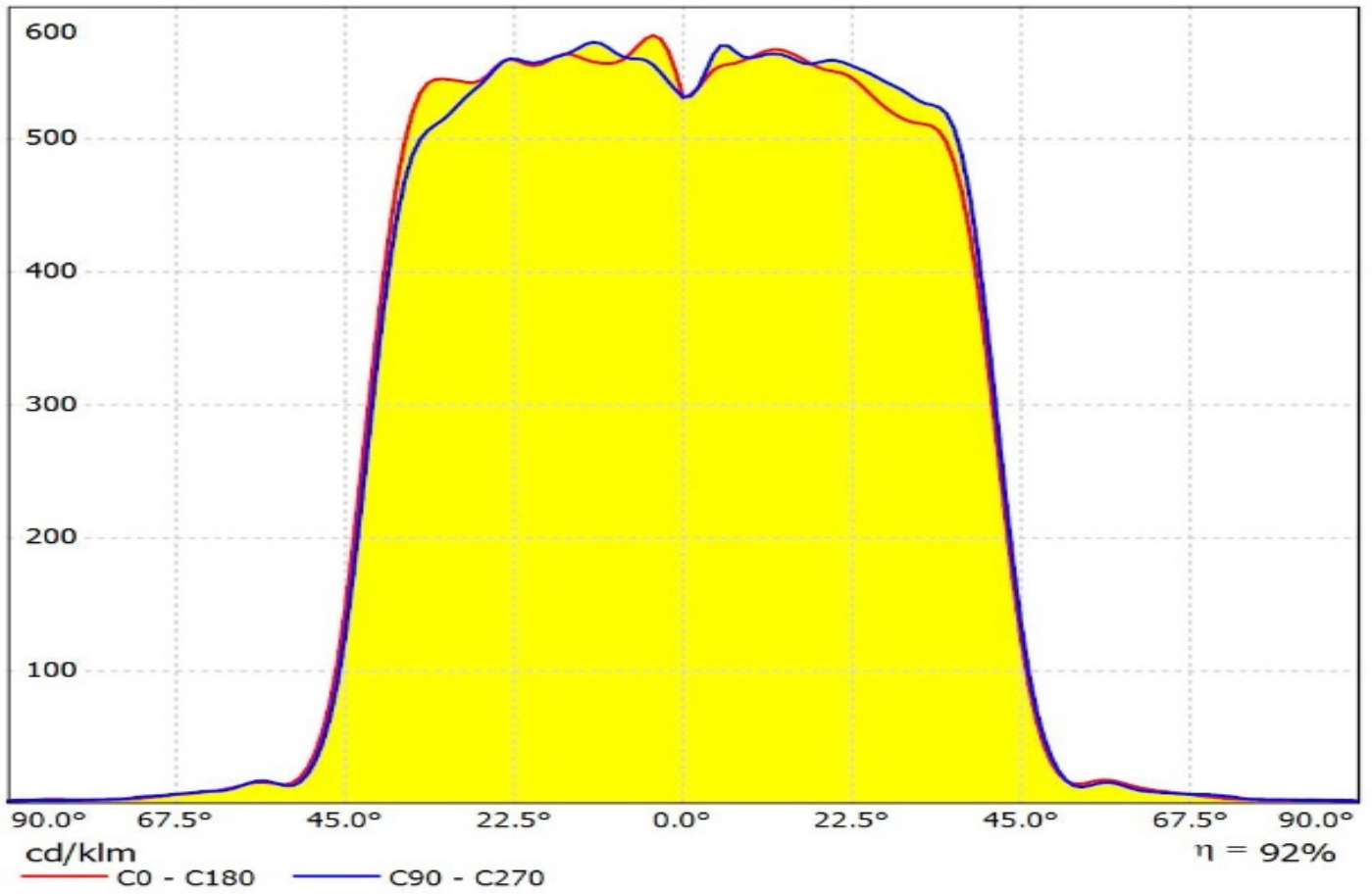


Luminaire: Ledil F16007\_FLORENCE2-Z90\_(LM561B+)

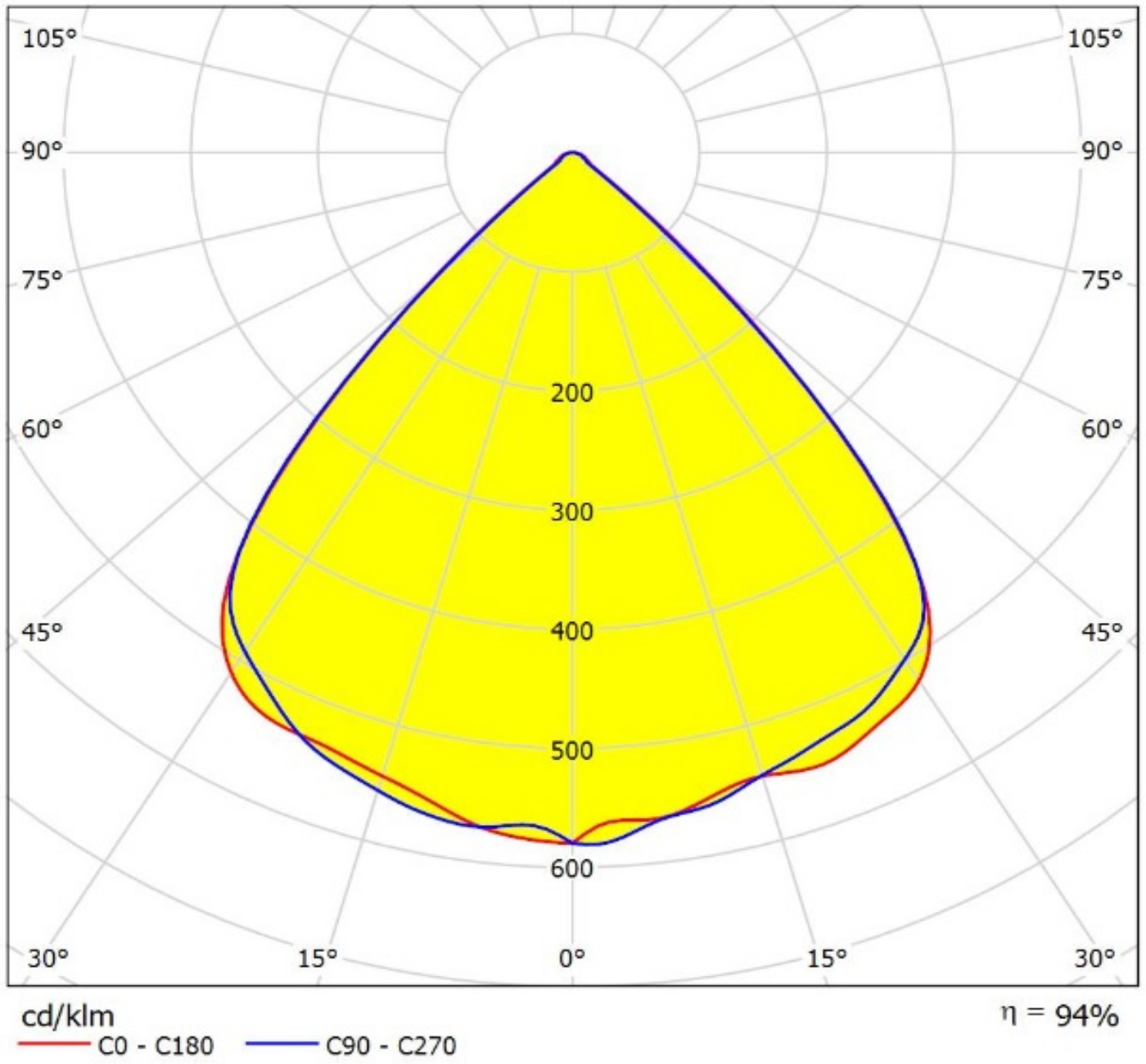
Lamps: 1 x Samsung\_LM561B+\_x33\_1261.92lm@250mA\_P=8.10375W\_U=32.415V



Luminaire: Ledil Oy F16007\_FLORENCE2-Z90\_(SEOUL\_3528\_STW8A12D-E2)\_SIMULATED  
Lamps: 1 x Seoul 3528 STW8A12D-E2 - CCT: 4000 K

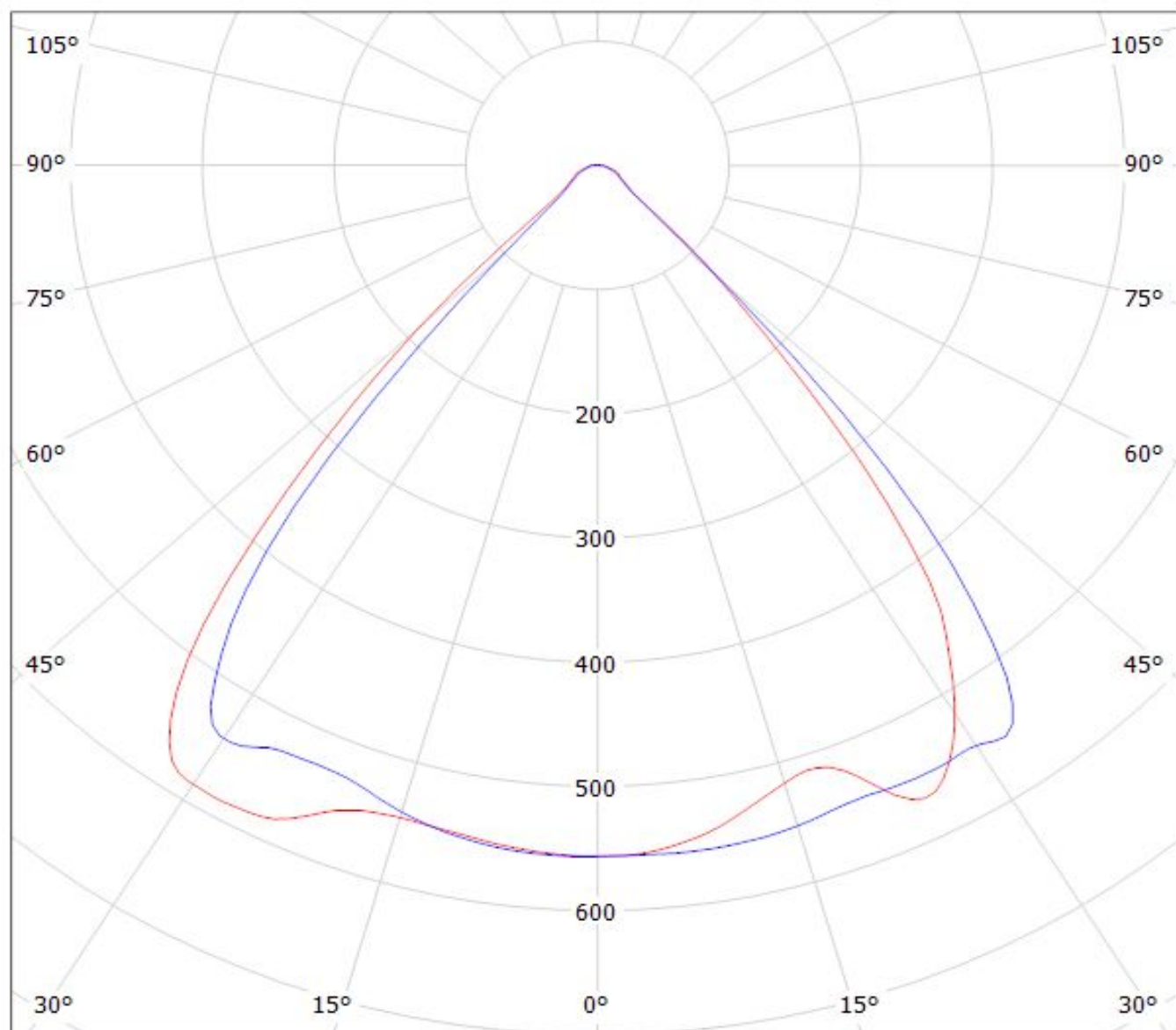


Luminaire: Ledil Oy F16007\_FLORENCE2-Z90\_(Duris\_E5)\_SIMULATED  
Lamps: 1 x Osram Duris E5





Luminaire: LEDiL Oy F16007\_FLORENCE2-Z90 (Fortimo\_LED\_Line\_1ft\_650lm\_840\_3R\_LV3)  
Lamps: 1 x Philips\_Fortimo\_LED\_Line\_1ft\_650lm\_840\_3R\_LV3\_1127.07lm@250mA\_P=8.20339W\_I=0.250A



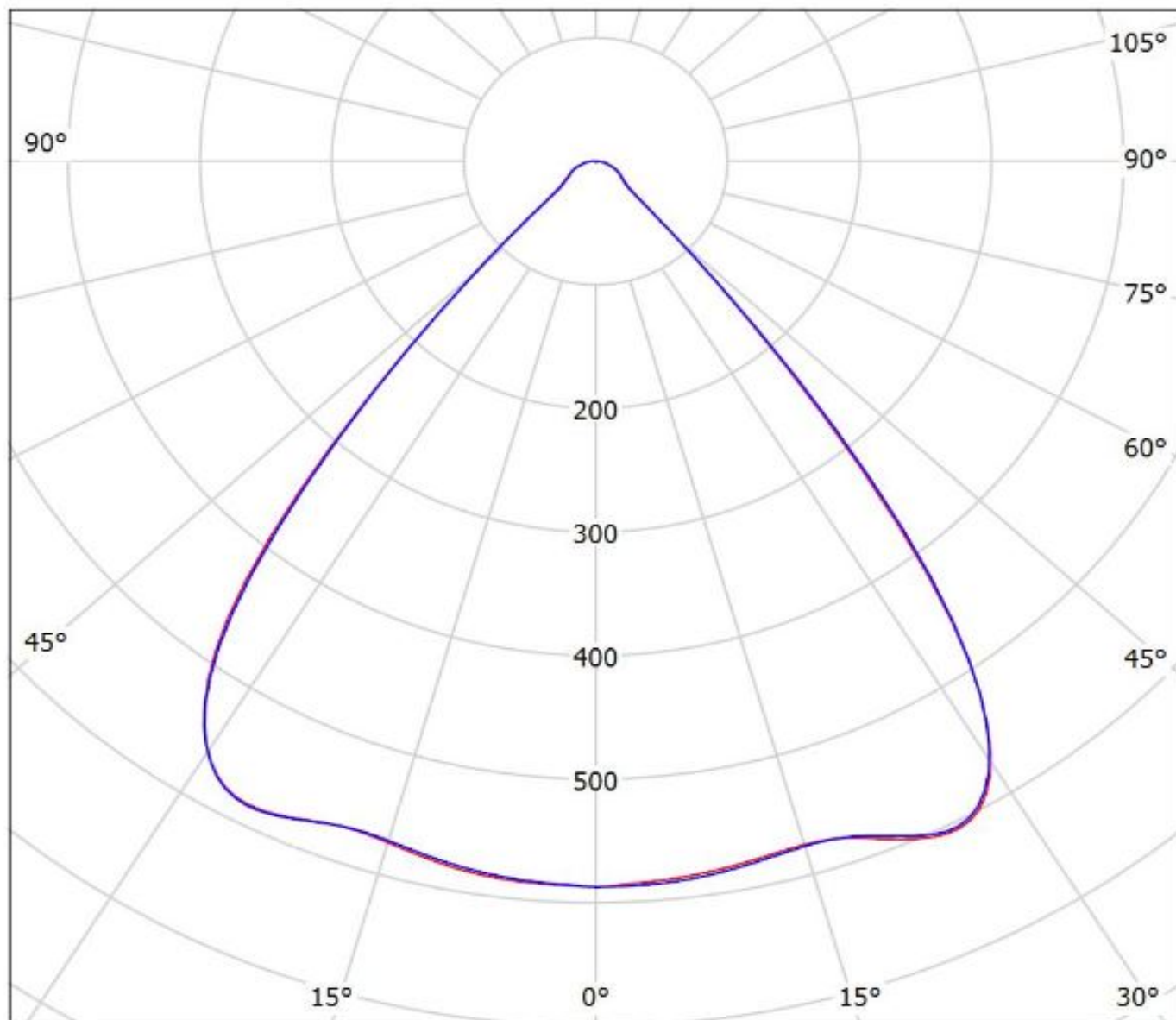
cd/klm

— C0 - C180    — C90 - C270

$\eta = 96\%$

Luminaire: Ledil F16007\_FLORENCE2-Z90\_(LM561B+)

Lamps: 1 x Samsung\_LM561B+\_x33\_1261.92lm@250mA\_P=8.10375W\_U=32.415V

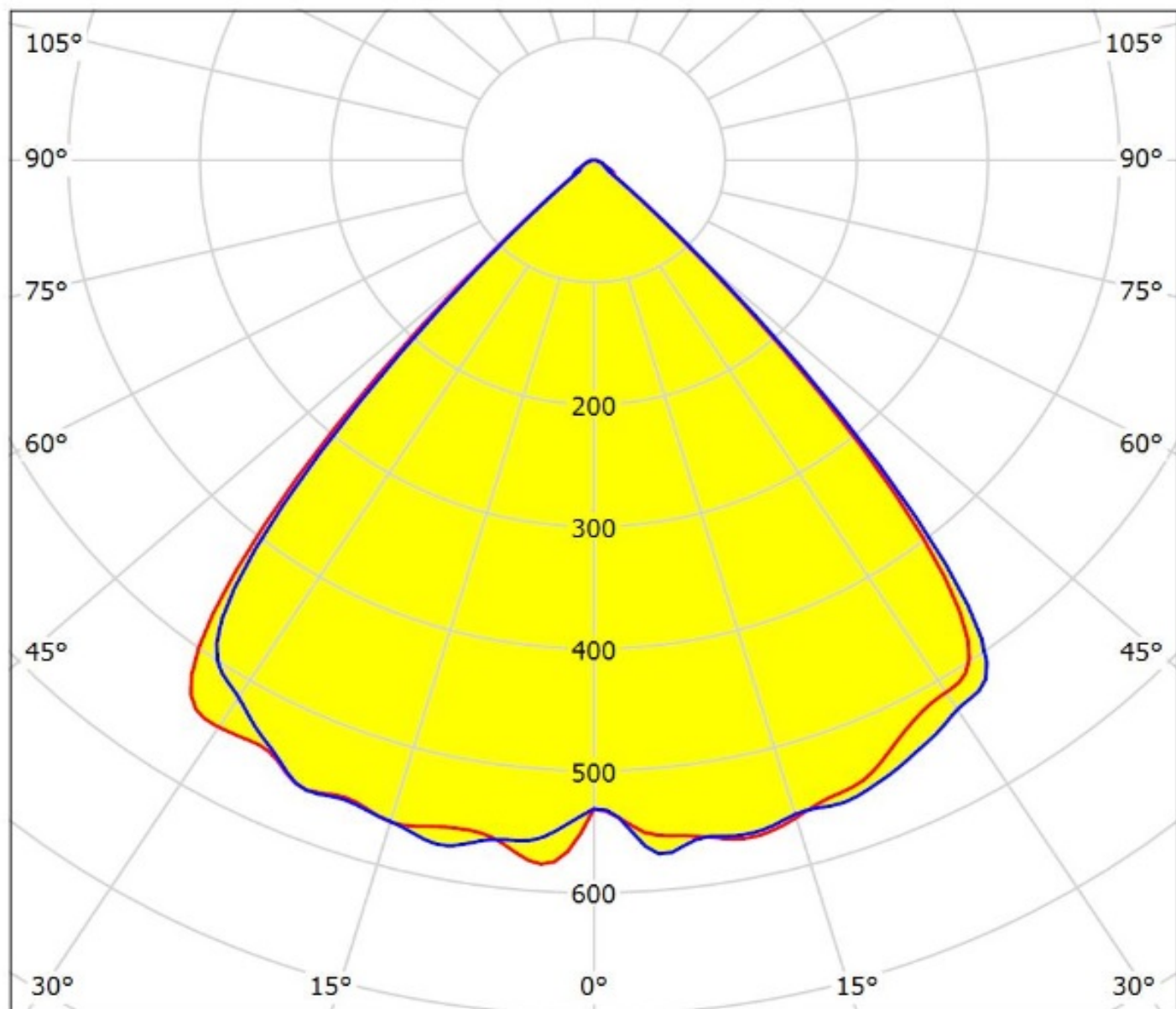


cd/klm

— C0 - C180 — C90 - C270

$\eta = 96\%$

Luminaire: Ledil Oy F16007\_FLORENCE2-Z90\_(SEOUL\_3528\_STW8A12D-E2)\_SIMULATED  
Lamps: 1 x Seoul 3528 STW8A12D-E2 - CCT: 4000 K



cd/klm

— C0 - C180

— C90 - C270

$\eta = 92\%$

**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.**