



Ordering number CS12862_STRADA-IP-2X6-DWC

Family	Strada-IP	FWHM	Asym degrees
Type	Lens	Efficiency	94 %
LED	XT-E	cd/lm	0,540
Color	Clear	Gerber File	Available
Diameter	173x71.4 mm		
Height	7.92 mm		
Style	Rectangular		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin		
Status	Ready		

Silicone sealed wide asymmetric street light array for road width

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.



PRODUCT DATASHEET

Strada-IP series

last update 13/11/2012



GENERAL INFORMATION

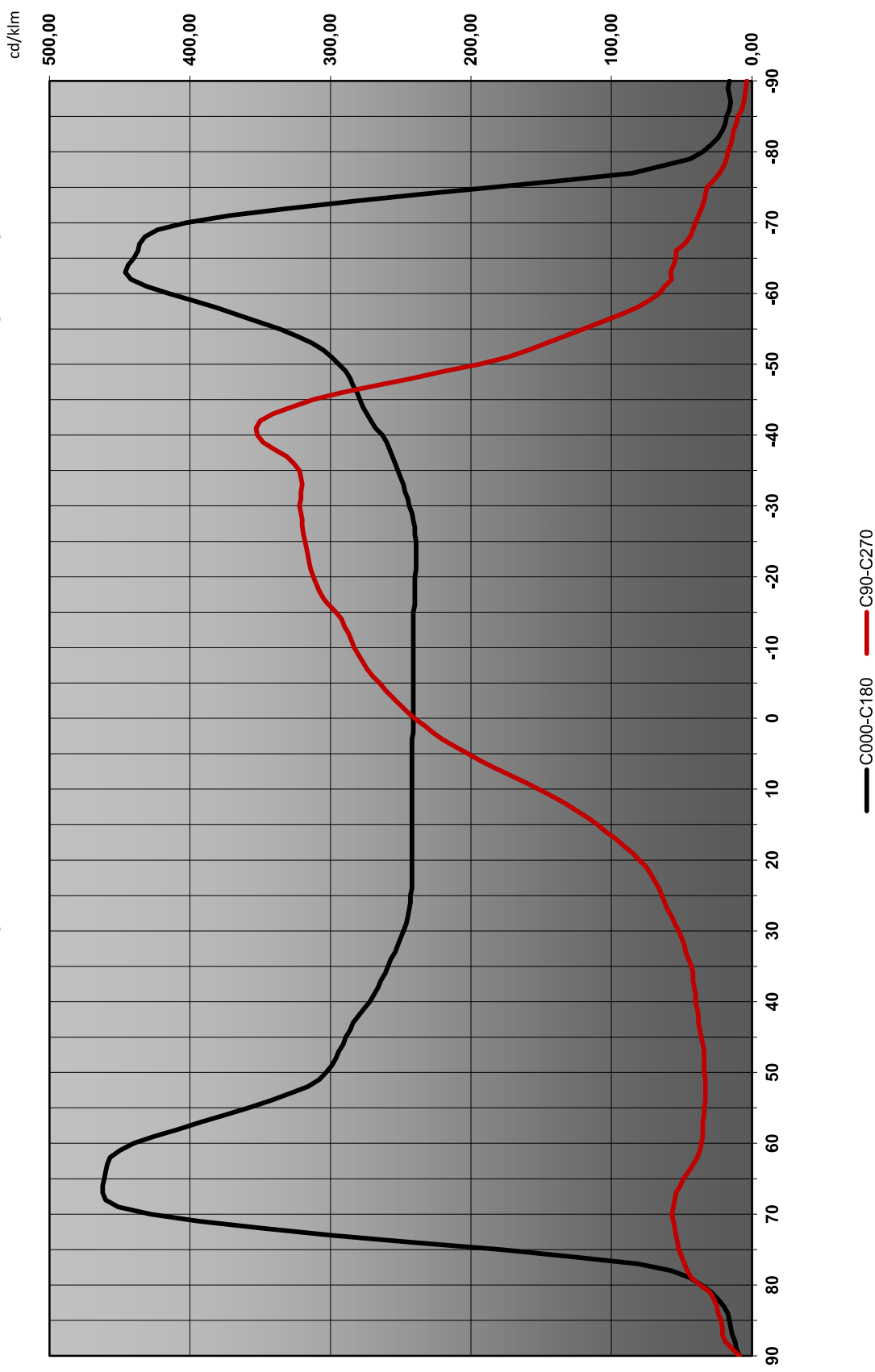
- Product series especially designed & optimized for XT-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance (105 degrees of Celcius / 220 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

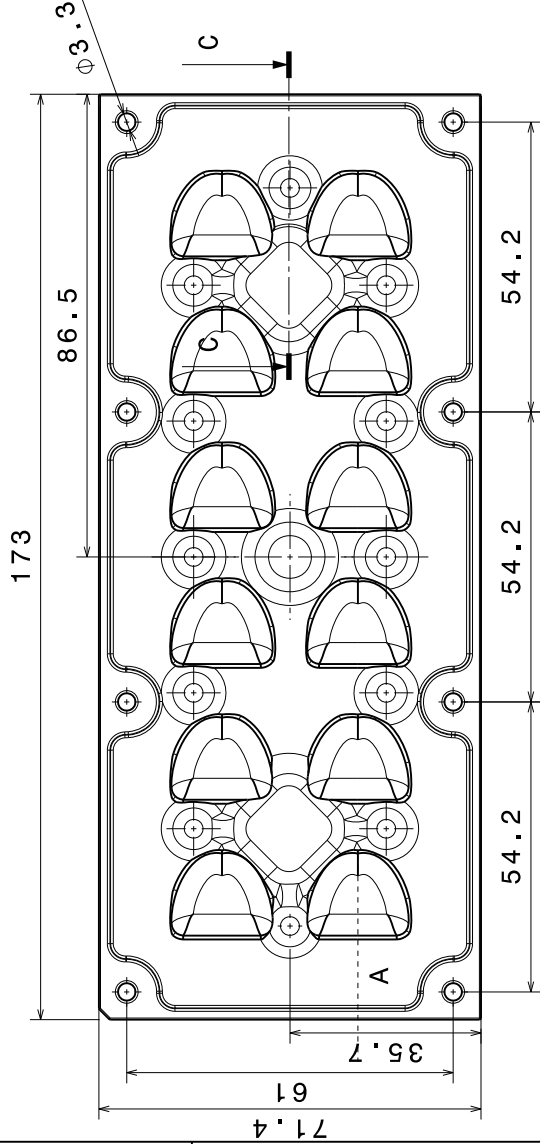
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

Absolute intensity of CS12862_STRADA-IP-2X6-DWC_(XT-E)

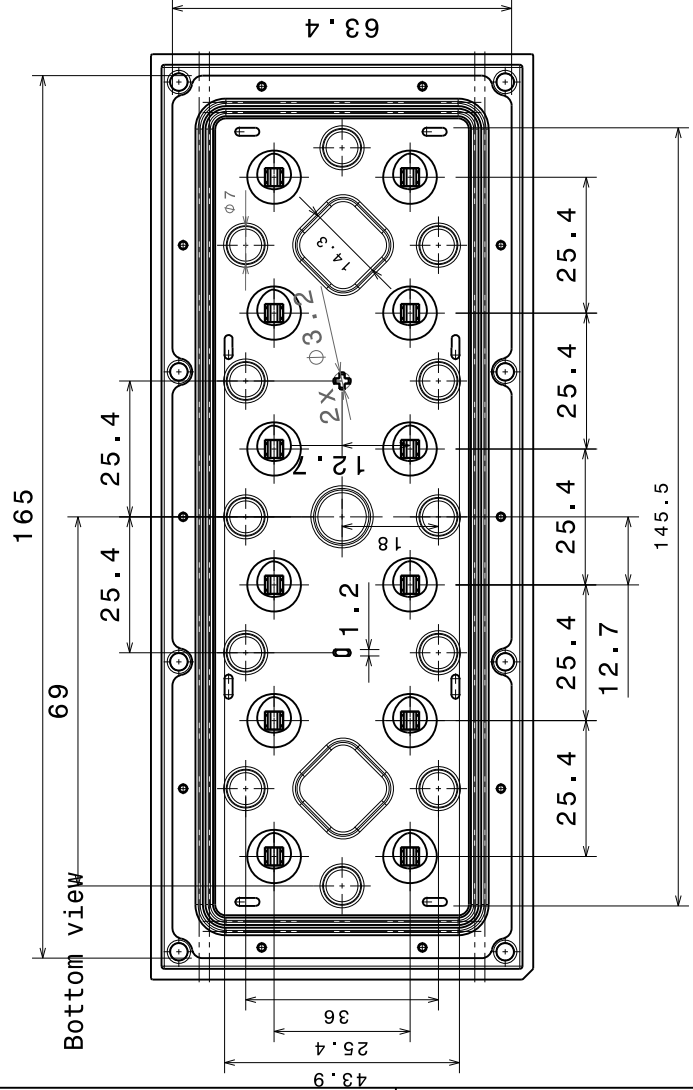


INDEX PART NO	DESCRIPTION	MATERIAL
1	CS12862 STRADA-IP-2X6-DWC PMMA 8N + Silicone seal	

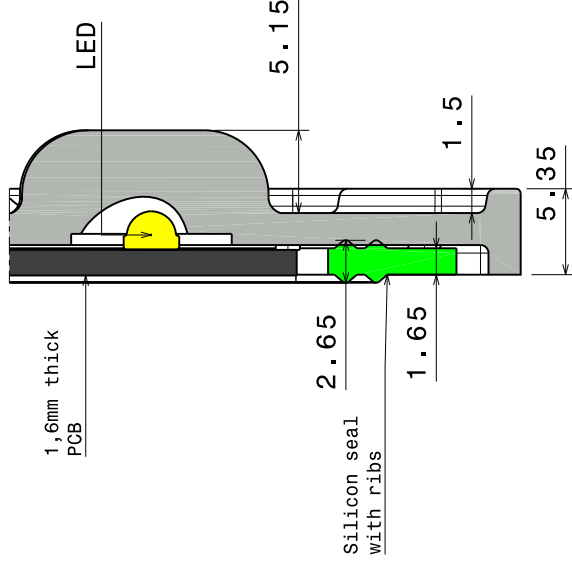
Top view



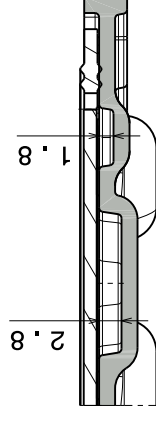
Bottom view



Cross section detail A



Section view C-C



Pockets for wiring and screws

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LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWN BY 01		DATE 7.9.2012	DATASHEET DRAWING TITLE Part Drawing	
CHECKED BY th		DATE 7.9.2012	SIZE A3	CS12862_STRADA-IP-2X6-DWC
DESIGNED BY 01		DATE 1.8.2012	PART NUMBER CS12862	REV 002
SCALE 1:1		WEIGHT 65,62 g	SHEET 1/2	

H

G

F

E

D

C

B

A

4

3

2

1

4

3

2

1

INDEX	PART NO	DESCRIPTION	MATERIAL
1	CS12862	STRADA-IP-2X6-DWC PMMA 8N + Silicone seal	

8x Screws (M3) to mount the lens to heat sink.

Recommended torque with pan head screw: 0.57Nm (for 1.6mm thick PCB, no thermal pad)

Fasten middle screws first, then work toward outside corners, fastening screws on opposing sides until reaching corner screws.

Heatsink screw holes must be accurate to prevent twisting and cracks.

Recommended PCB:

1.6mm thick with no or minimum height thermal pad

Dimensions 43.5 x 145 mm

Ask LEDIL for layout suggestion and drawings.

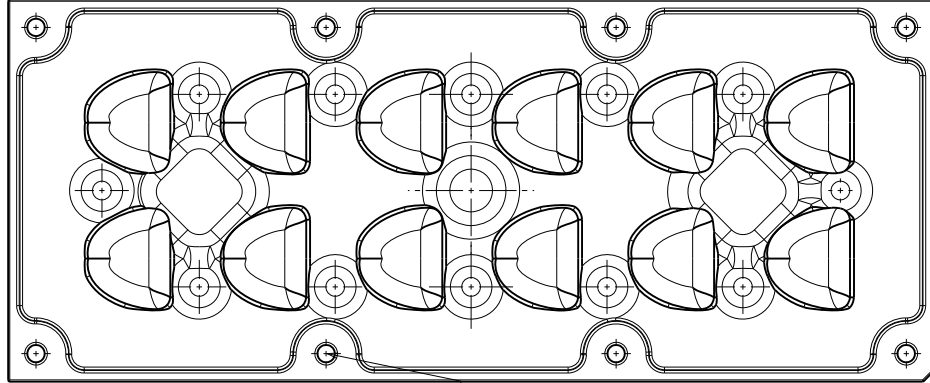
Wiring:

PCB is fully sealed between the lens with silicone seal and the heatsink. Wiring needs to be done trough the PCB and heat sink to maintain high IP rating.

Other notes:

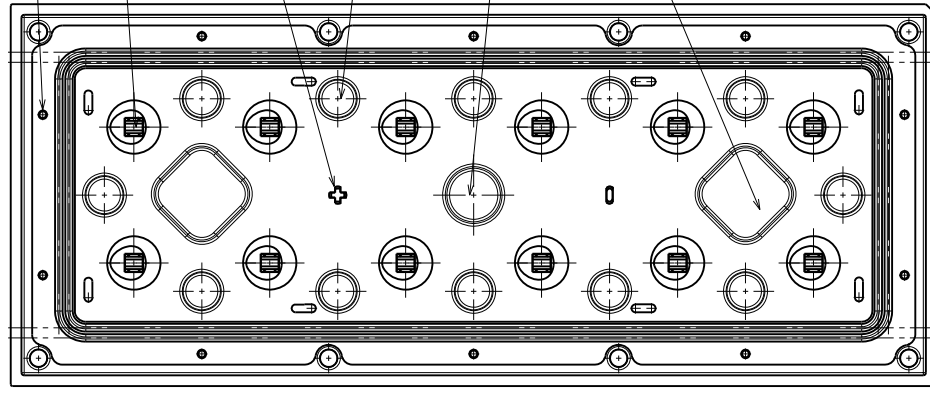
Seal is tested to work in LEDIL's test assemblies. Customer is recommended to test the sealing in the end product due many variables, such as heat sink surface and possible chemical traces.

Street side



Top view

House side



Bottom view

10x Seal position pin grippers (check that the seal is attached during assembly)

12x LEDs

2x Position pins (for round PCB holes)

12x Pockets for PCB screws (M3)

Multifunction pocket (wiring, components or screws)

2 Pockets for PCB soldering

Cut corner as key element for correct alignment

		Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
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		SHEET 2/2	REV 002

H

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B

A

4

3

2

1

Luminaire: LEDIL OY CS12862_STRADA-IP-2X6-DWC_(XT-E) Eff.94.4%
Lamps: 1 x Cree XT-E (1188lm@250mA)

