

**Product number C12345_HB-5X1-W**

Family	High Bay	FWHM	(simulated) 45
Type	Lens array	Efficiency	-
LED	LUXEON A	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	123 + 25 mm		
Height	9 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["pin", "glue", "screw"]		
Status	Production ready		

**Product number C12361_HB-2X2-W**

Family	High Bay	FWHM	(simulated) 52
Type	Lens array	Efficiency	-
LED	LUXEON A	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	50x50 mm		
Height	8.5 mm		
Style	Square		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "pin", "screw"]		
Status	Production ready		

**Product number C13490_HB-5X1-FLAT-W**

Family	High Bay	FWHM	(simulated) 45
Type	Lens array	Efficiency	-
LED	LUXEON A	cd/Im	-
Color	Clear	Gerber File	Available
Diameter	123 + 25 mm		
Height	8.5 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	["glue", "screw", "pin"]		
Status	Production ready		

Otherwise same as C12345_HB-5X1-W but bottom structure is flat allowing more freedom in PCB design.

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

High Bay series

last update 6/8/2013

GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON A 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. 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>

D

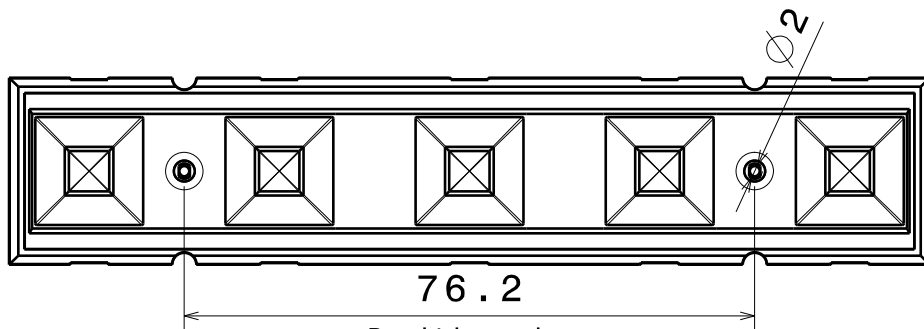
C

B

A

4

4

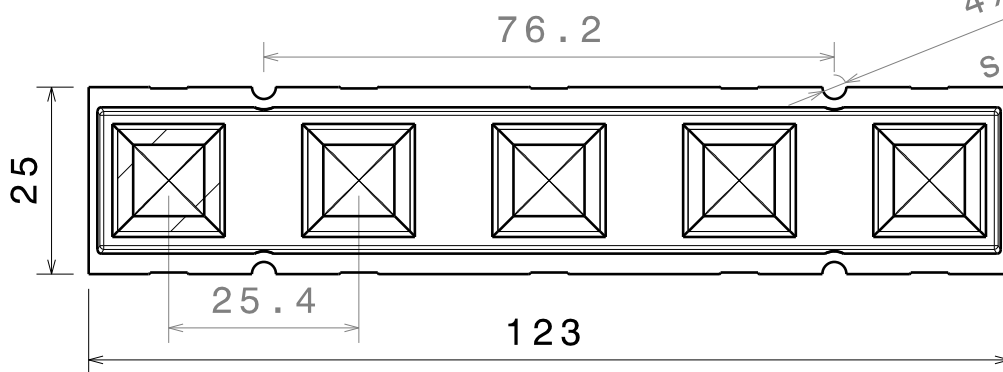


Position pins
Bottom view

Height 8,5mm from PCB top

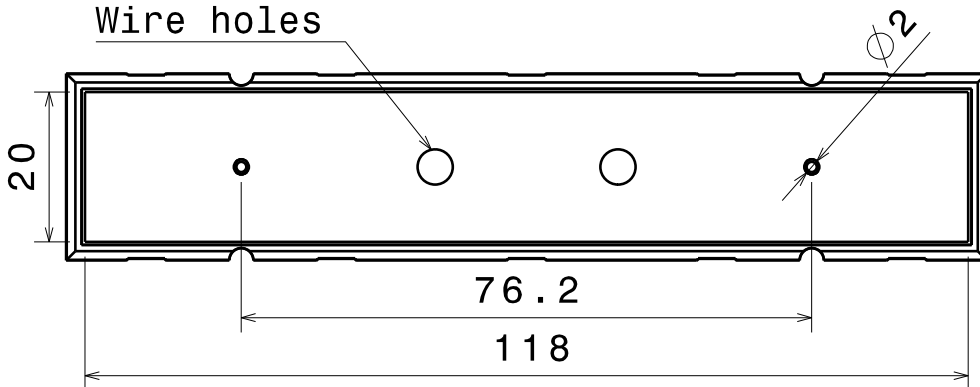


Front view



Top view

Wire holes



PCB-suggestion

Sealing: PCB goes
inside lens module.



Cross section

3

2

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LEDIL

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Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE

DRAWN BY

mav

DATE

14.03.2012

Datasheet HB-5x1 Lens

CHECKED BY

DATE

SIZE

A4

DRAWING NUMBER

C12345

REV

2

DESIGNED BY

mav

DATE

22.09.2011

SCALE

1:1

WEIGHT (g)

SHEET

1/1

D

A

1