**Ordering number C12345\_HB-5X1-W**

Family	High Bay	FWHM	(simulated) 45
Type	Lens array	Efficiency	-
LED	LUXEON Rebel ES	cd/lm	(simulated) 0.000
Color	Clear	Gerber File	Available
Diameter	123 + 25 mm		
Height	9 mm		
Style	Rectang		
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	On production		

**Ordering number C13490\_HB-5X1-FLAT-W**

Family	High Bay	FWHM	(simulated) 45
Type	Lens array	Efficiency	-
LED	LUXEON Rebel ES	cd/lm	(simulated) 0.000
Color	Clear	Gerber File	Available
Diameter	123 + 25 mm		
Height	8.5 mm		
Style	Rectang		Otherwise same as C12345_HB-5X1-W but bottom structure is
Optic Material	PMMA		
Holder Material	-		
Fastening	Screw, pin, glue		
Status	On production		

**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

PHILIPS  
LUMILEDS

### GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel ES 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%20UL94_Yellow%20Card.pdf)

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

D

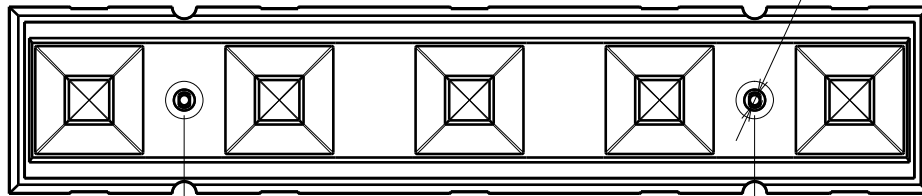
C

B

A

4

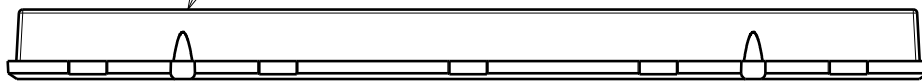
4



76.2

Position pins  
Bottom view

Height 8,5mm from PCB top



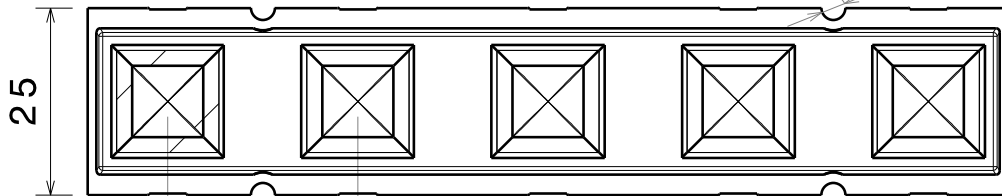
Front view

76.2

4x  $\phi$ 3.2  
screw holes

3

3



25

25.4

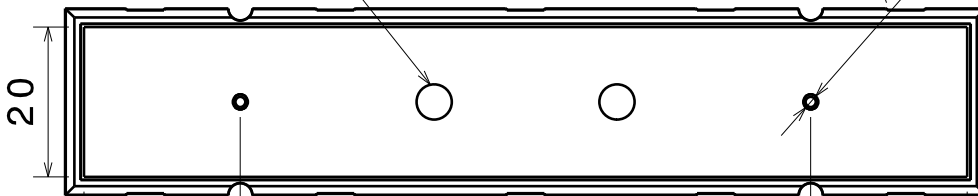
123

Top view

2

2

Wire holes



20

76.2

118

PCB-suggestion

Sealing: PCB goes  
inside lens module.



Cross section

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or communicated without  
our written agreement.



Ledil Oy  
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

1

1

D

A