

PRODUCT DATASHEET C13490_HB-5X1-FLAT-W

HB-5X1-FLAT-W

~55° wide beam with flat bottom structure allowing more freedom in PCB design

SPECIFICATION:

Dimensions	123.0 x 25.0 mm
Height	8.5 mm
Fastening	glue, pin, screw
ROHS compliant	yes 🛈



MATERIALS:

Component	Туре	Material	Colour	Finish
HB-5X1-FLAT-W	Multi-lens	PMMA	clear	

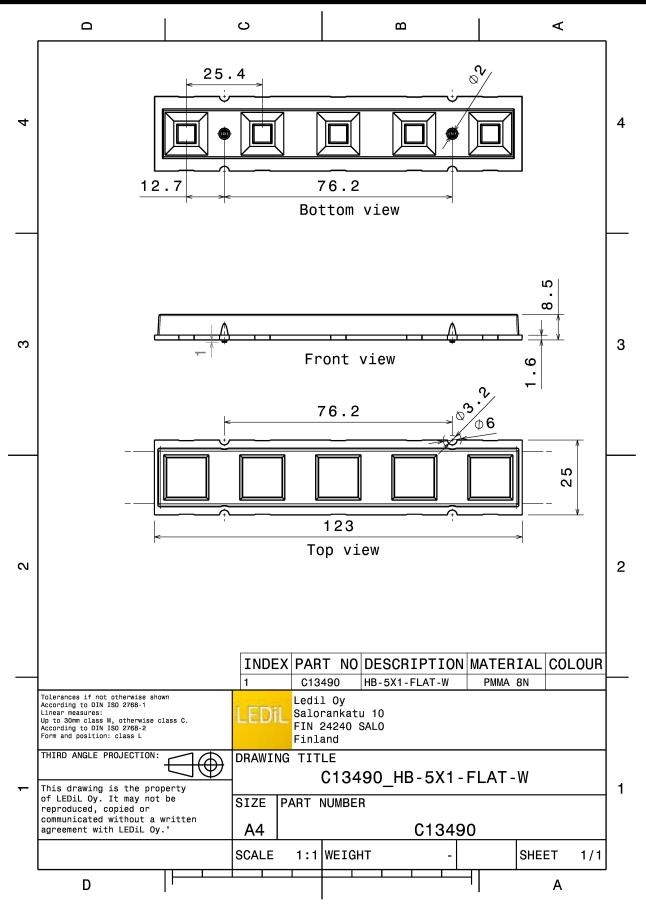
ORDERING INFORMATION:

Component

C13490_HB-5X1-FLAT-W » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
504	105	21	8.4

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See also our general installation guide: www.ledil.com/installation_guide



OPTICAL RESULTS (MEASURED):

		С13490_НВ-5Х1-ЕГАТ-Ү-ҮНЬ			
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	XM-L 54.0° / 82.0° 91 % 1 White ents:				
					25.
LED FWHM / FWTM Efficiency	XP-G 51.0° / 78.0° 90 %		694	400	60°
LEDs/each optic	1 White		97		45*
Light colour Required compone					27



OPTICAL RESULTS (SIMULATED):

LEDS		
LED	XM-L2	
FWHM / FWTM	56.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required components:		
LED	XP-E	
FWHM / FWTM	47.0° / 78.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required components:		
		90*
LEDS		
		75.
LED FWHM / FWTM	XT-E 50.0°	
		60° 60°
Efficiency	%	
LEDs/each optic Light colour	1 White	47 ⁴
Required components:	White	
Required components.		
		30° 12° 1580 22° 30°
UMILEC		
)S	
LED	LUXEON A	
LED FWHM / FWTM	LUXEON A 45.0°	
LED FWHM / FWTM Efficiency	LUXEON A 45.0° %	
LED FWHM / FWTM Efficiency LEDs/each optic	LUXEON A 45.0° % 1	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	LUXEON A 45.0° %	
LED FWHM / FWTM Efficiency LEDs/each optic	LUXEON A 45.0° % 1	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	LUXEON A 45.0° % 1	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	LUXEON A 45.0° % 1	



OPTICAL RESULTS (SIMULATED):

UMILEDS

LED	LUXEON R
FWHM / FWTM	45.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	43.0° / 75.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

UMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	45.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

ΜΝΙCΗΙΛ

LED	NCSxx19A
FWHM / FWTM	50.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

Μ ΝΙCΗΙΛ	
LED	NVSxx19A
FWHM / FWTM	50.0° / 78.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components	8: