

## HB-SQ-W

~60° beam

### SPECIFICATION:

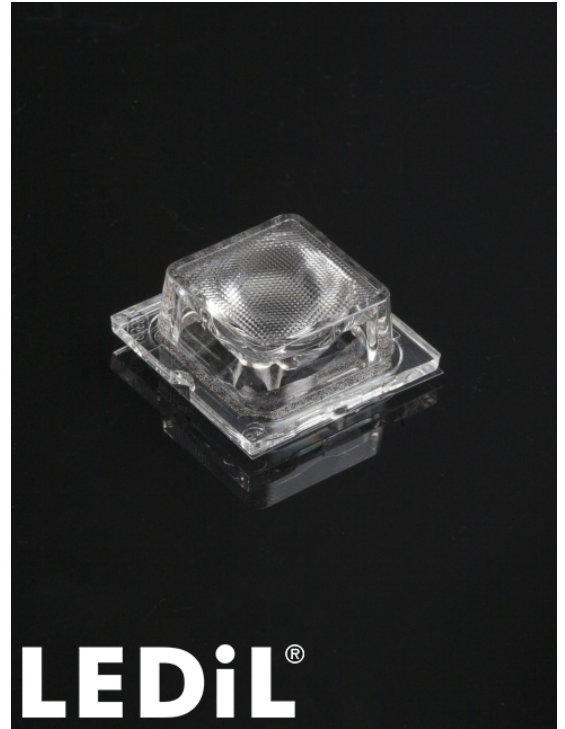
Dimensions	25.0 x 25.0 mm
Height	9.8 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

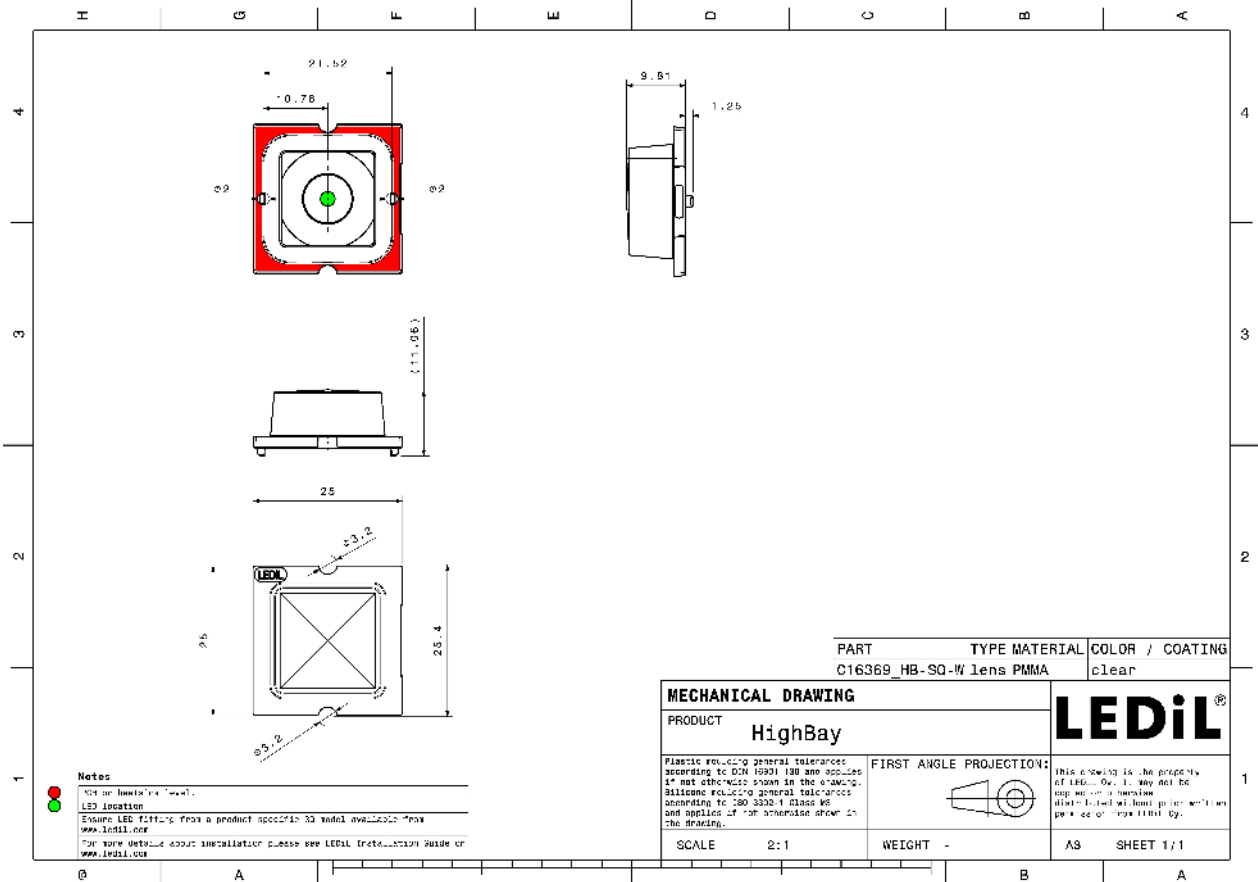
### MATERIALS:

Component	Type	Material	Colour	Finish
HB-SQ-W	Single lens	PMMA	clear	

### ORDERING INFORMATION:


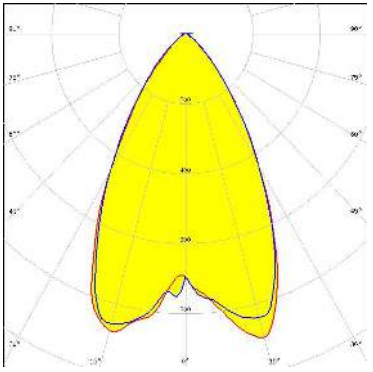

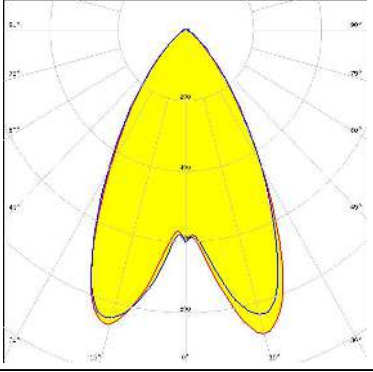

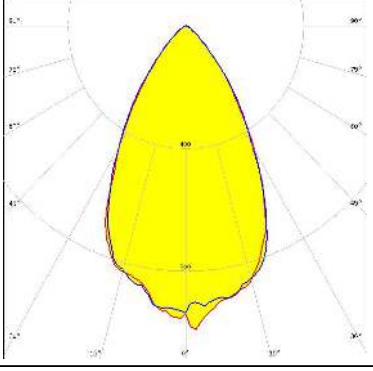

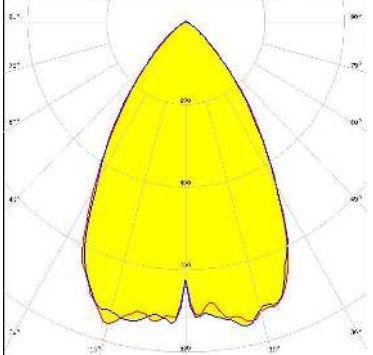
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16369_HB-SQ-W » Box size: 480 x 280 x 300 mm	2058	294	98	8.4





See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

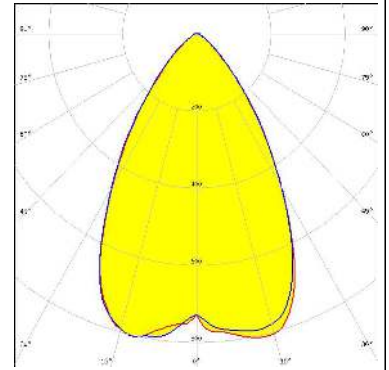
### OPTICAL RESULTS (SIMULATED):

	<p>LED XHP50.2            FWHM / FWTM 60.0° / 94.0°            Efficiency 96 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP50.3 HD            FWHM / FWTM 61.0° / 95.0°            Efficiency 95 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP70            FWHM / FWTM 57.0° / 92.0 + 90.0°            Efficiency 93 %            Peak intensity 1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP70.2            FWHM / FWTM 65.0° / 98.0°            Efficiency 91 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

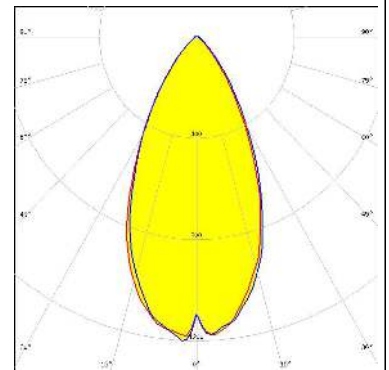
#### OPTICAL RESULTS (SIMULATED):



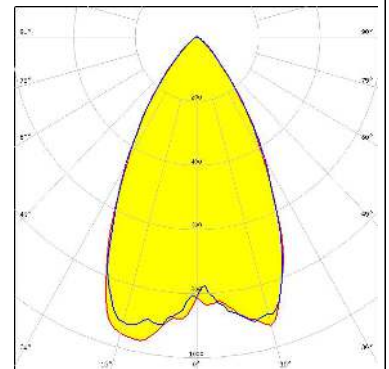
LED XHP70.3 HD  
 FWHM / FWTM 64.0° / 99.0°  
 Efficiency 95 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



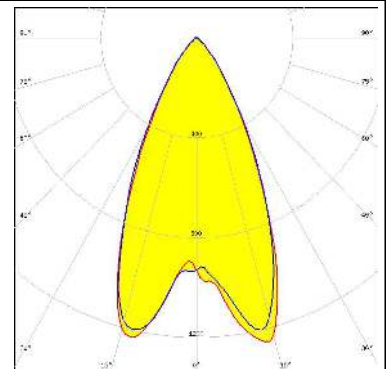
LED LUXEON 7070  
 FWHM / FWTM 51.0° / 86.0°  
 Efficiency 96 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




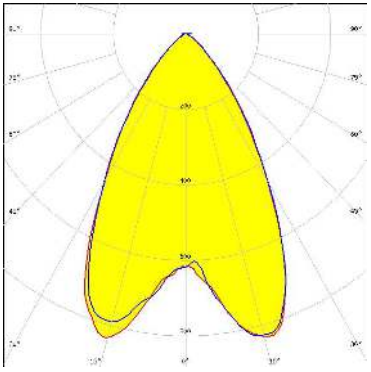

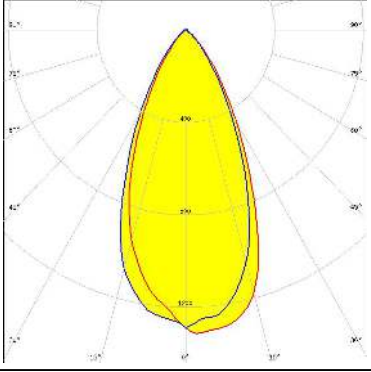

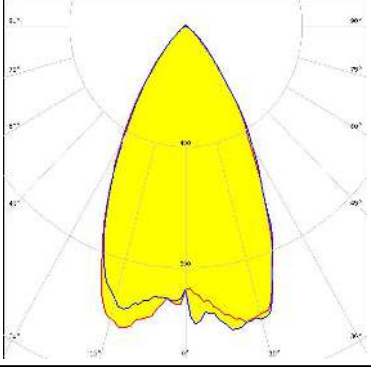

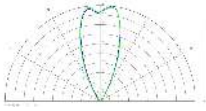
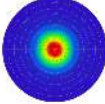
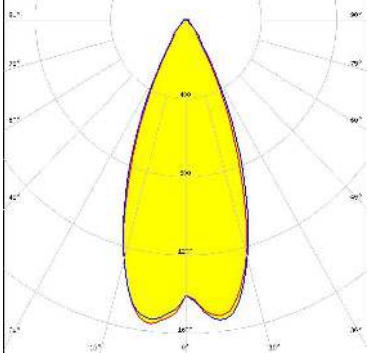
LED LUXEON M/MX  
 FWHM / FWTM 54.0° / 87.0 + 84.0°  
 Efficiency 93 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON MZ  
 FWHM / FWTM 51.0° / 81.0°  
 Efficiency 96 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

	<p>LED NV4x144A            FWHM / FWTM 62.0° / 96.0°            Efficiency 96 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED Duris S10            FWHM / FWTM 48.0° / 82.0°            Efficiency 95 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSCONIQ P 7070            FWHM / FWTM 53.0° / 85.0°            Efficiency 94 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED SFH 4717AS            FWHM / FWTM 44.0° / 68.0°            Efficiency 96 %            LEDs/each optic 1            Light colour IR            Required components:</p>	<div style="display: flex; align-items: center; justify-content: space-around;">    </div>

### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### MATERIALS:

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