

HB-SQ-WWW

~90° beam. Assembly with installation tape.

SPECIFICATION:

Dimensions	25.0 x 25.0 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

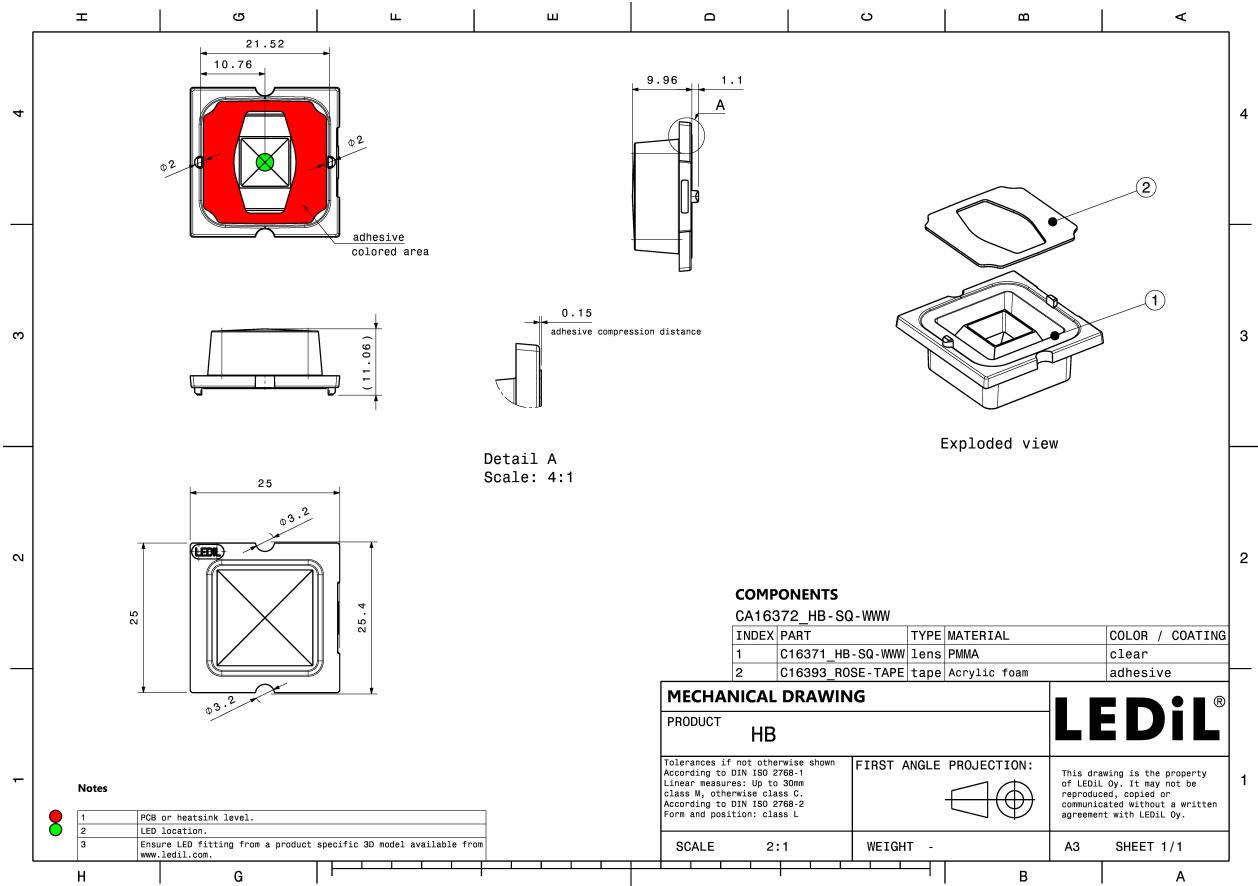
MATERIALS:

Component	Type	Material	Colour	Finish
HB-SQ-WWW	Single lens	PMMA	clear	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

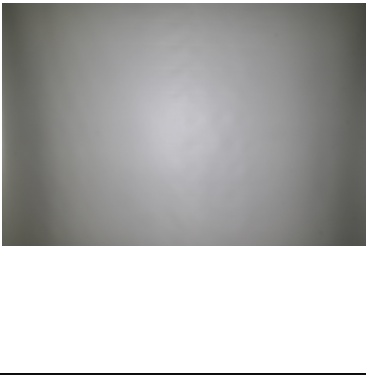
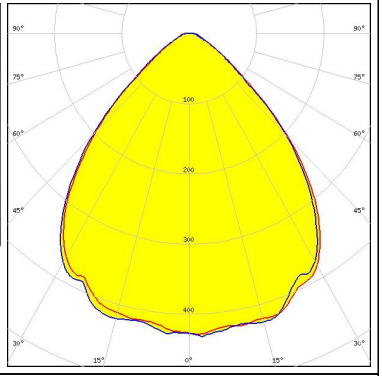

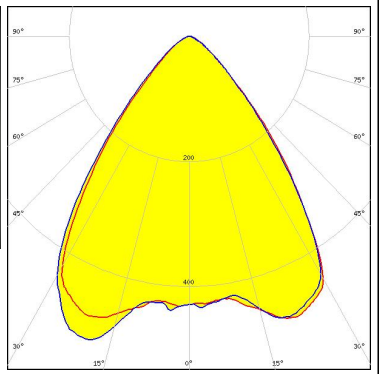
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16372_HB-SQ-WWW	Single lens	2058	294	98	8.9
» Box size: 480 x 280 x 300 mm					




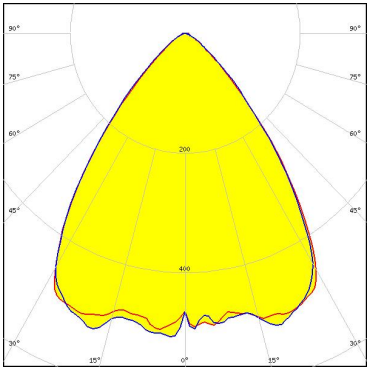

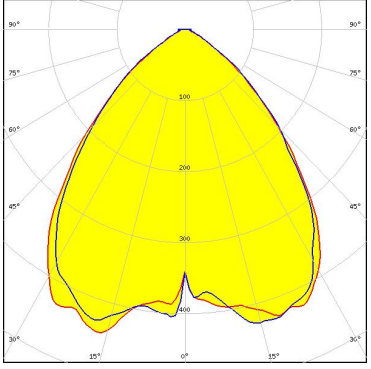

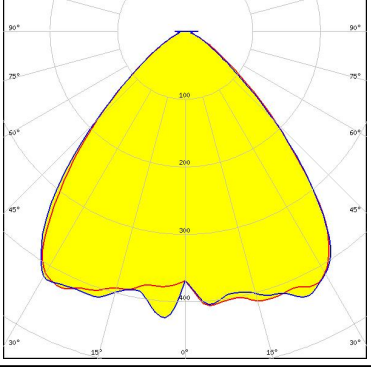

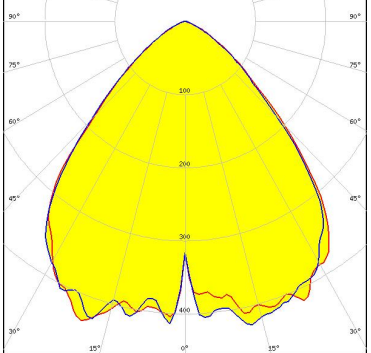


See also our general installation guide: www.ledil.com/installation_guide

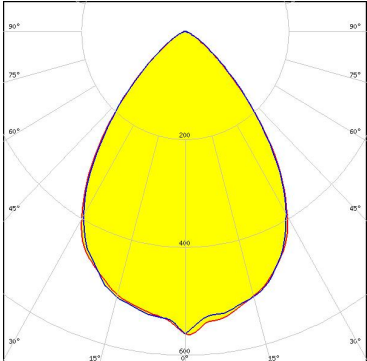
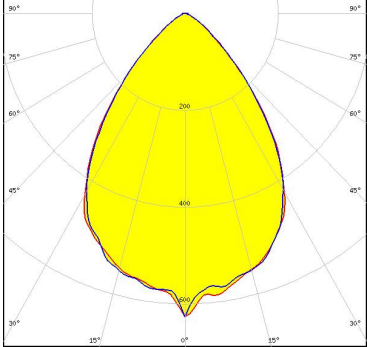
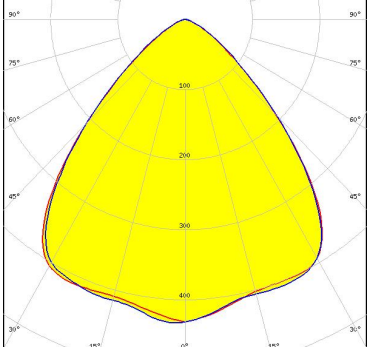
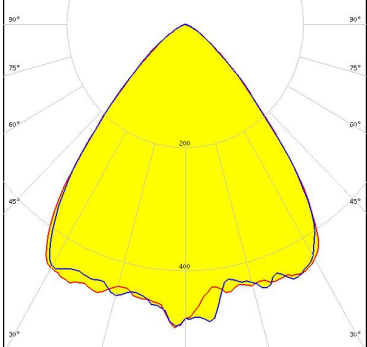
OPTICAL RESULTS (MEASURED):

<p>CREE LED</p> <p>LED: XHP70 FWHM / FWTM: 88.0° / 122.0° Efficiency: 91 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES FWHM / FWTM: 80.0° / 110.0° Efficiency: 93 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		

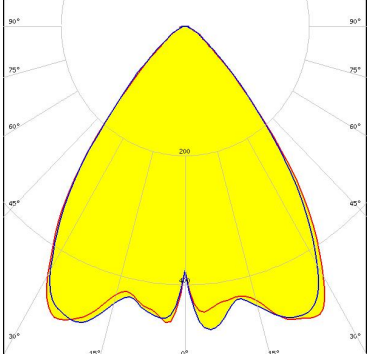
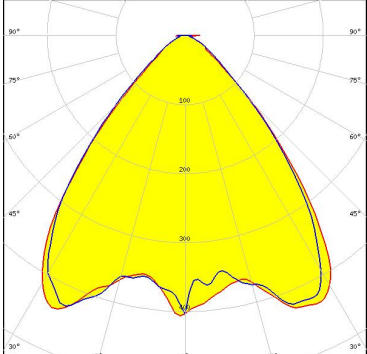
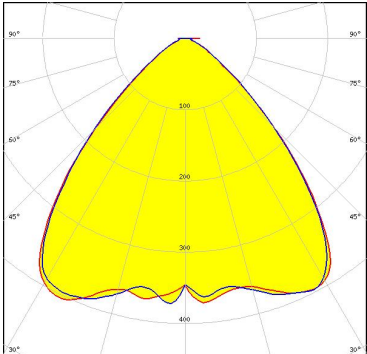
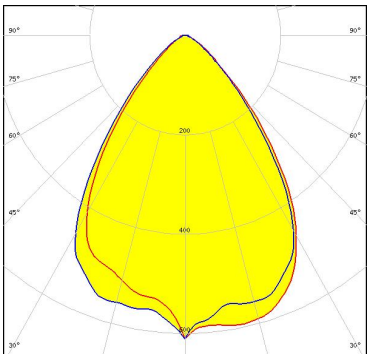
OPTICAL RESULTS (SIMULATED):

<p> LED: Bridgelux SMD 5050 FWHM / FWTM: 77.0° / 108.0° Efficiency: 93 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LED: MHD-E/G FWHM / FWTM: 85.5° / 120.0° Efficiency: 91 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LED: XHP50.2 FWHM / FWTM: 86.0° / 120.0° Efficiency: 93 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p> LED: XHP70.2 FWHM / FWTM: 85.0° / 119.0 + 120.0° Efficiency: 86 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 7070</p> <p>FWHM / FWTM 75.0° / 108.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED LUXEON 7070</p> <p>FWHM / FWTM 74.0° / 108.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 88.0° / 121.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>LUMILEDS</p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 80.0° / 109.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

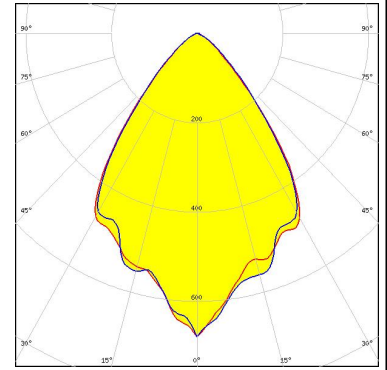
<p>LUMILEDS</p> <p>LED: LUXEON MZ FWHM / FWTM: 77.0° / 107.0° Efficiency: 94 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON V FWHM / FWTM: 81.0° / 111.0° Efficiency: 92 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NV4x144A FWHM / FWTM: 86.0° / 121.0° Efficiency: 90 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: Duris S10 FWHM / FWTM: 74.0° / 107.0° Efficiency: 95 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

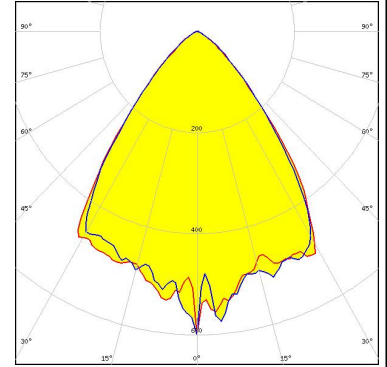
LED OSCONIQ C 2424
 FWHM / FWTM 74.0 + 73.0° / 104.0 + 105.0°
 Efficiency 94 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

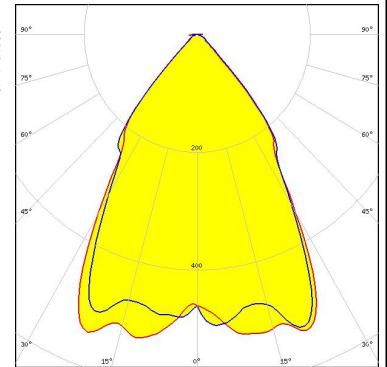
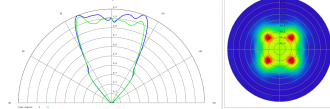
LED OSCONIQ P 7070
 FWHM / FWTM 75.0° / 105.0 + 103.0°
 Efficiency 91 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

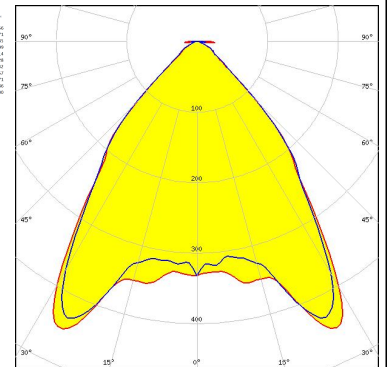
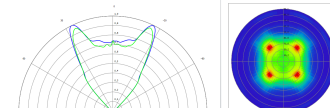
LED SFH 4715AS
 FWHM / FWTM 65.0° / 93.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour IR
 Required components:



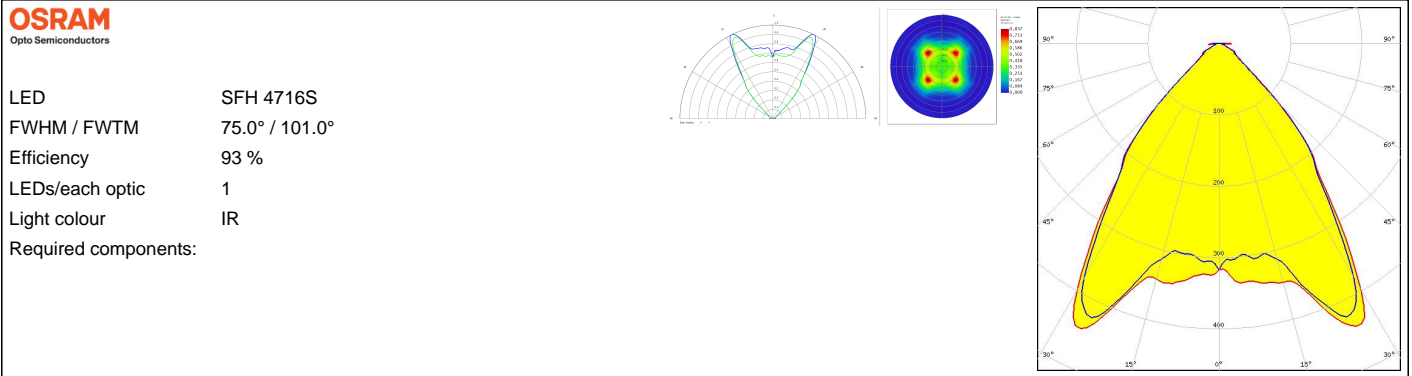
OSRAM

Opto Semiconductors

LED SFH 4716AS
 FWHM / FWTM 76.0° / 100.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OPTICAL RESULTS (SIMULATED):



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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