

## HB-2X2-RS-PC

~10° spot beam. Variant made from PC.

### SPECIFICATION:

Dimensions	50.0 x 50.0
Height	10 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

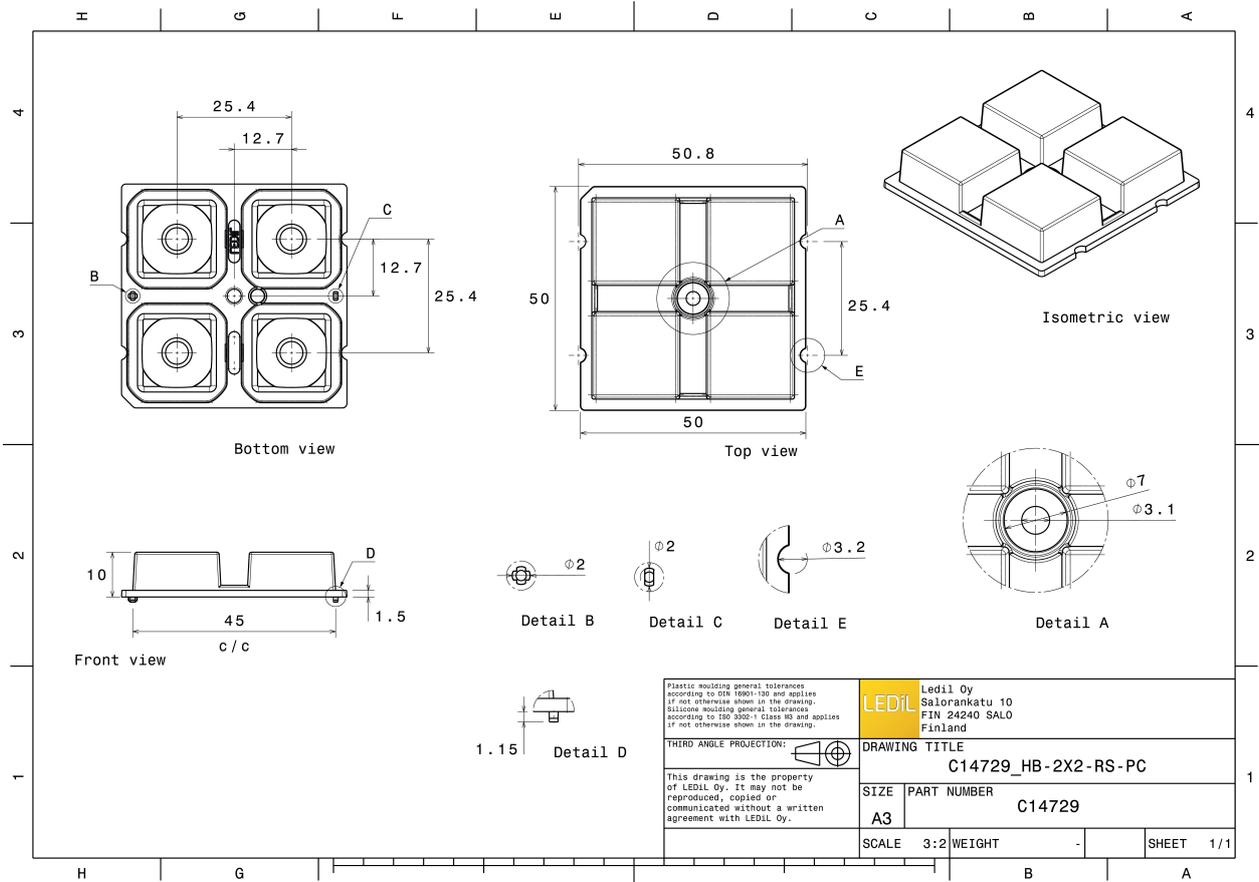
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HB-2X2-RS-PC	Multi-lens	PC	clear		



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14729_HB-2X2-RS-PC » Box size: 480 x 280 x 300 mm	800	160	160	10.3

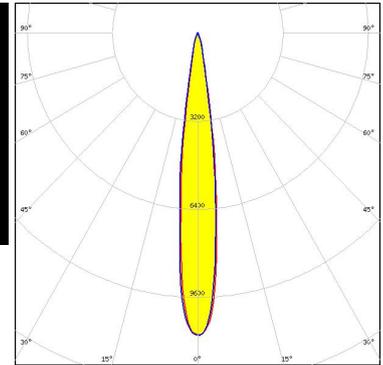


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



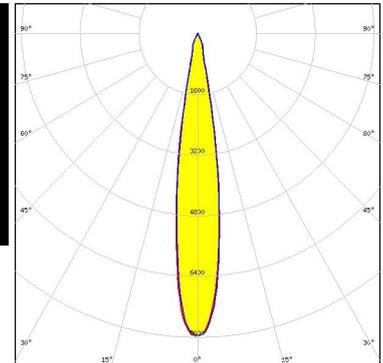
**LED** XP-G2  
**FWHM / FWTM** 14.0° / 24.0°  
**Efficiency** 91 %  
**Peak intensity** 11 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



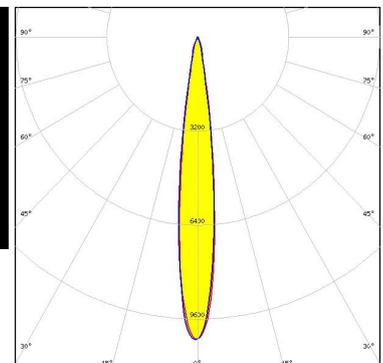
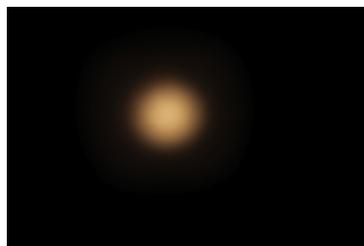
**LED** PL-BRICK HP 3800 2x8 SSG  
**FWHM / FWTM** 16.0° / 28.0°  
**Efficiency** 90 %  
**Peak intensity** 8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** RecLED 122x50mm 1900lm 730 2x4 Opt G1  
**FWHM / FWTM** 13.0° / 25.0°  
**Efficiency** 91 %  
**Peak intensity** 10.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

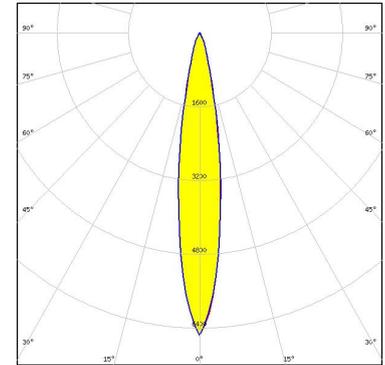


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



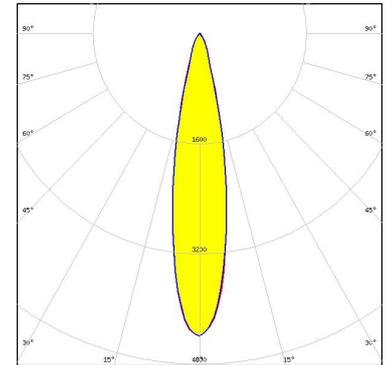
LED XP-G3  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 88 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



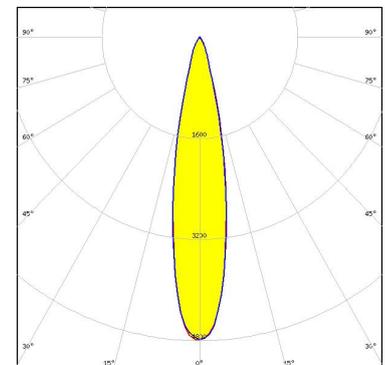
LED XP-L2  
 FWHM / FWTM 20.0° / 40.0°  
 Efficiency 86 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL4X  
 FWHM / FWTM 20.0° / 38.0°  
 Efficiency 87 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

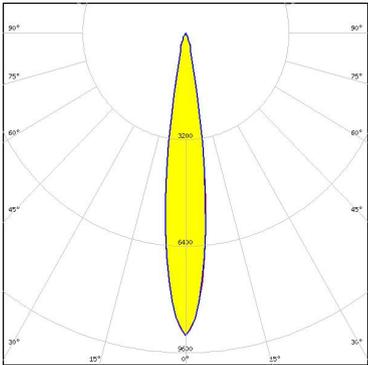


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**LUMILEDS**

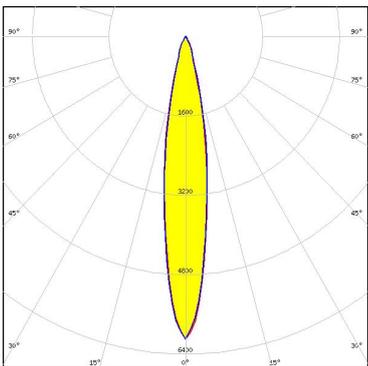
LED	LUXEON HL4Z
FWHM / FWTM	16.0° / 27.0°
Efficiency	88 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

**LUMILEDS**

LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	16.0° / 35.0°
Efficiency	89 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

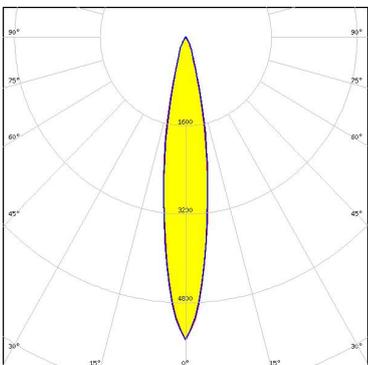


Light distribution files

**LUMILEDS**

LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	18.0° / 36.0°
Efficiency	81 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Protective plate, glass

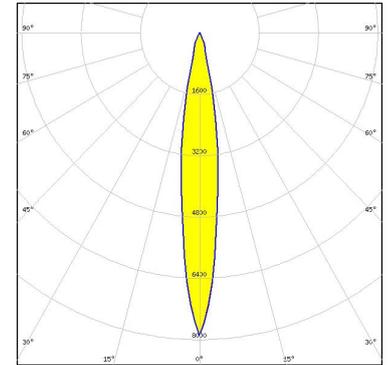


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



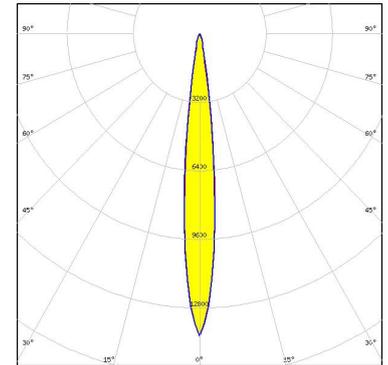
LED NVSW219F  
FWHM / FWTM 14.0° / 30.0°  
Efficiency 88 %  
Peak intensity 7.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



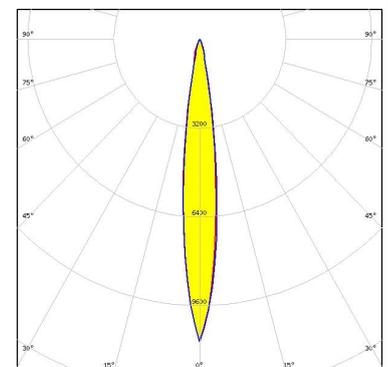
LED OSCONIQ C 2424 Gen1  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 89 %  
Peak intensity 14.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 13.0° / 26.0°  
Efficiency 91 %  
Peak intensity 10.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

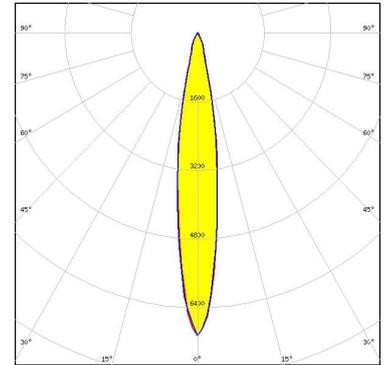


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

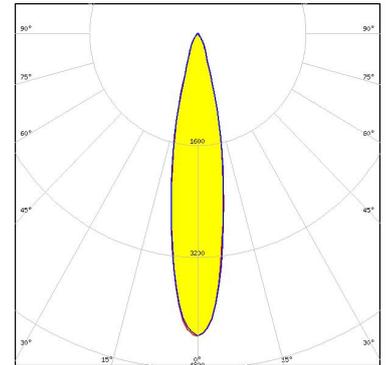
LED LH351C  
FWHM / FWTM 15.0° / 32.0°  
Efficiency 88 %  
Peak intensity 7.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

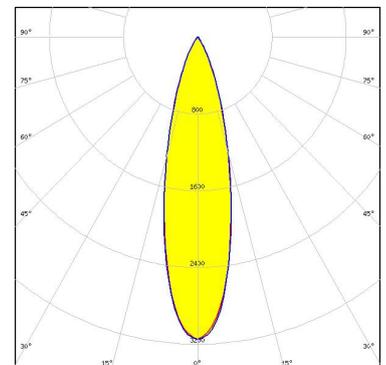
LED LH351D  
FWHM / FWTM 20.0° / 40.0°  
Efficiency 88 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

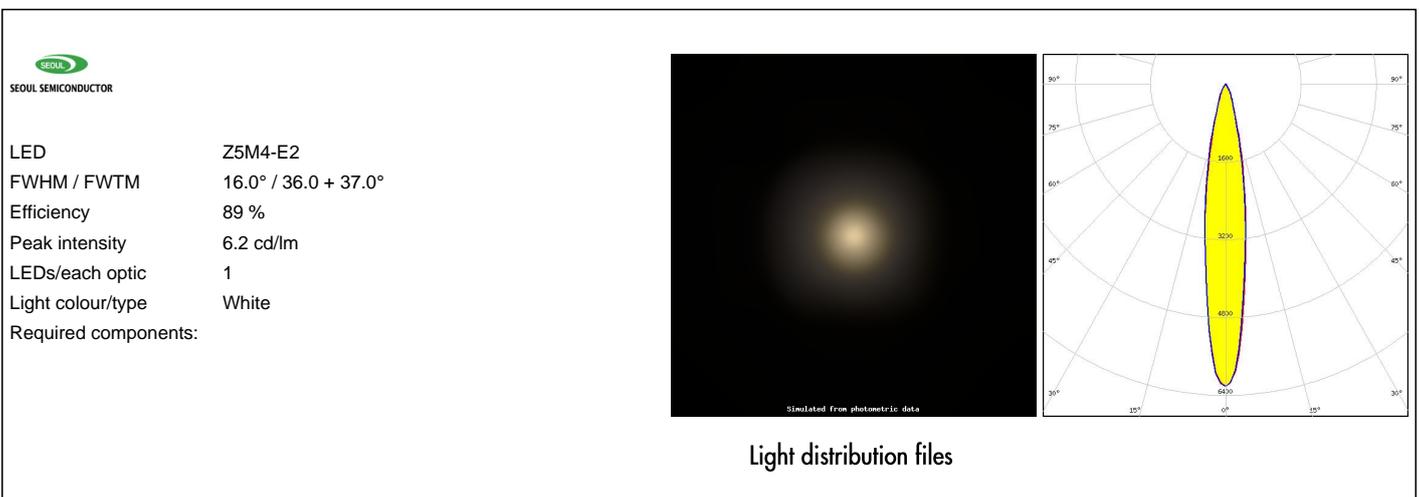
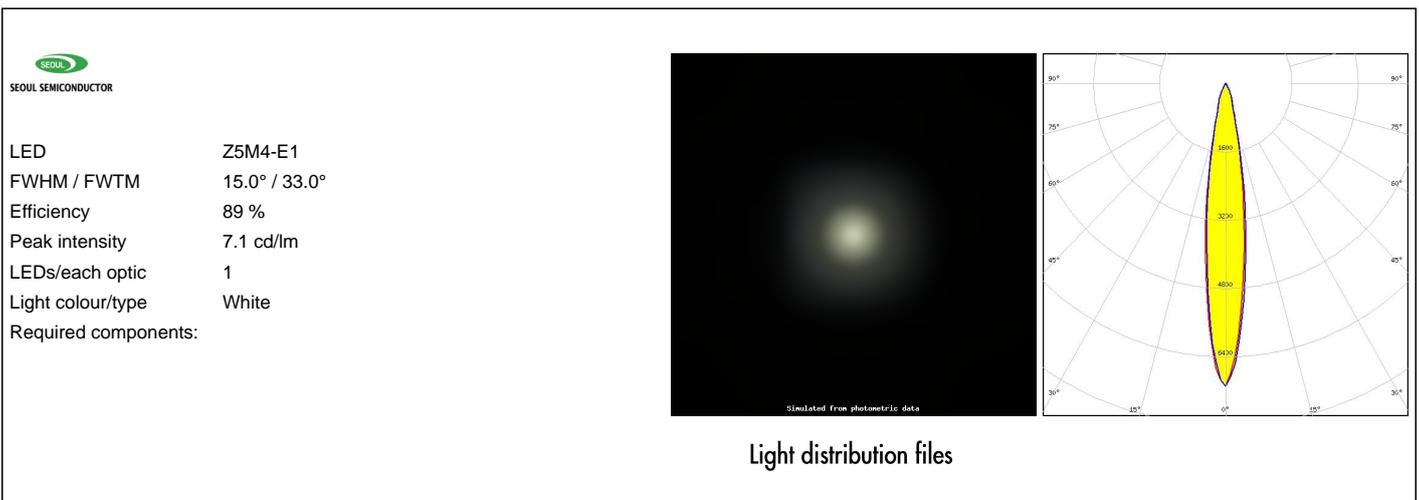
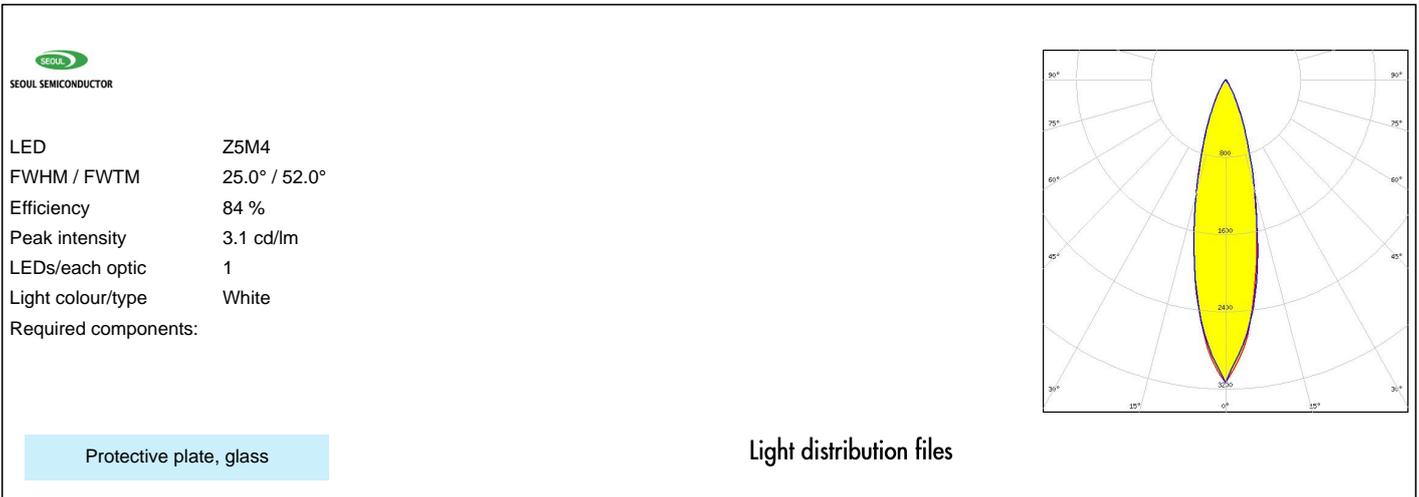


LED Z5M4  
FWHM / FWTM 26.0° / 52.0°  
Efficiency 89 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

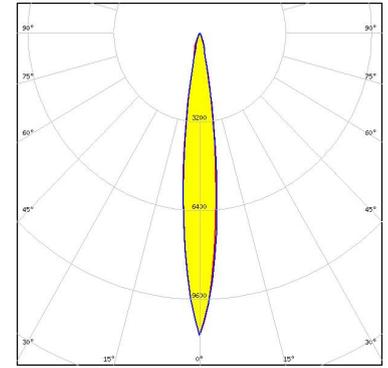
#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):

### TRIDONIC

LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM / FWTM	13.0° / 26.0°
Efficiency	90 %
Peak intensity	10.9 cd/m
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

### 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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