

# PRODUCT DATASHEET C15925\_HB-2X2-ON

# HB-2X2-ON

~15° + 50° oval beam

## **SPECIFICATION:**

Dimensions	50.0 x 50.0
Height	10 mm
Fastening	screw
ROHS compliant	yes 🛈



## **MATERIALS:**

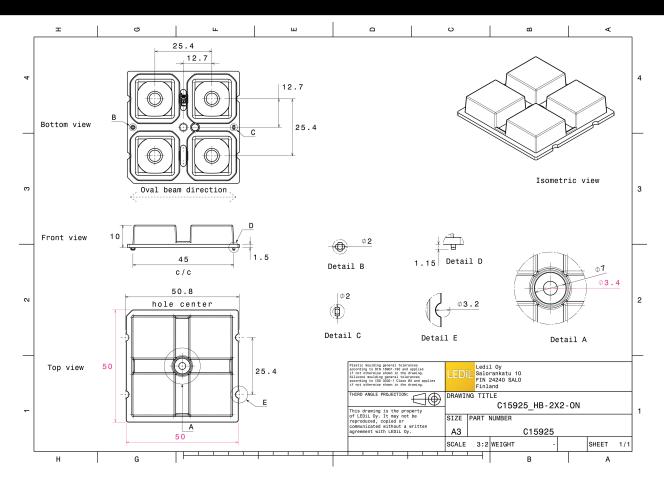
Component	Туре	Material	Colour	Finish	Length (mm)
HB-2X2-ON	Multi-lens	PMMA	clear		

### **ORDERING INFORMATION:**

Component	
C15925_HB-2X2-ON	
» Box size: 480 x 280 x 300 r	nm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	9.8

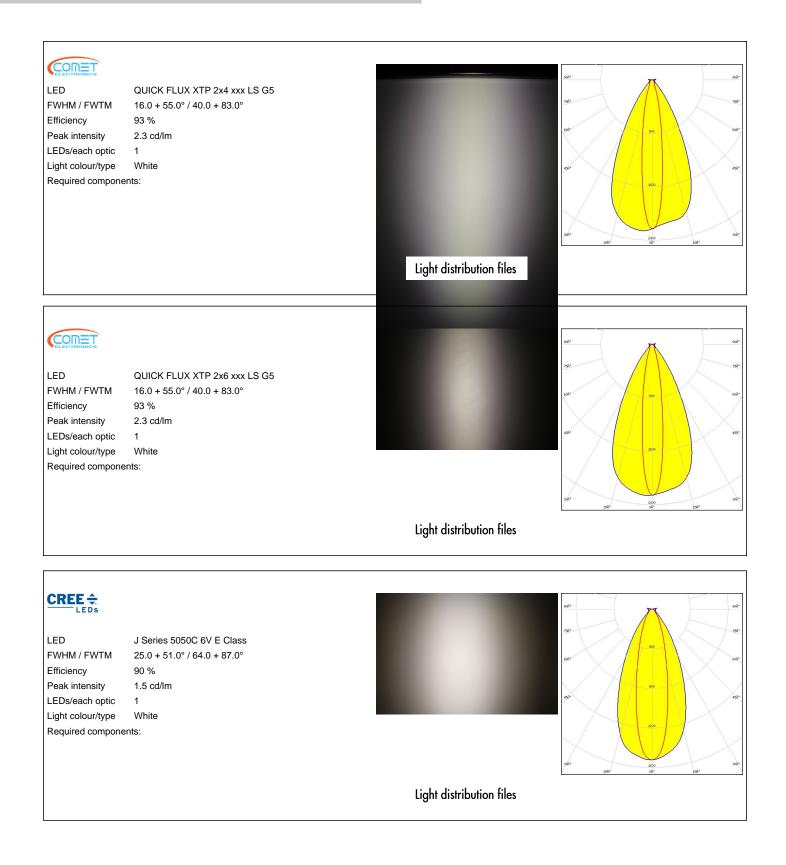
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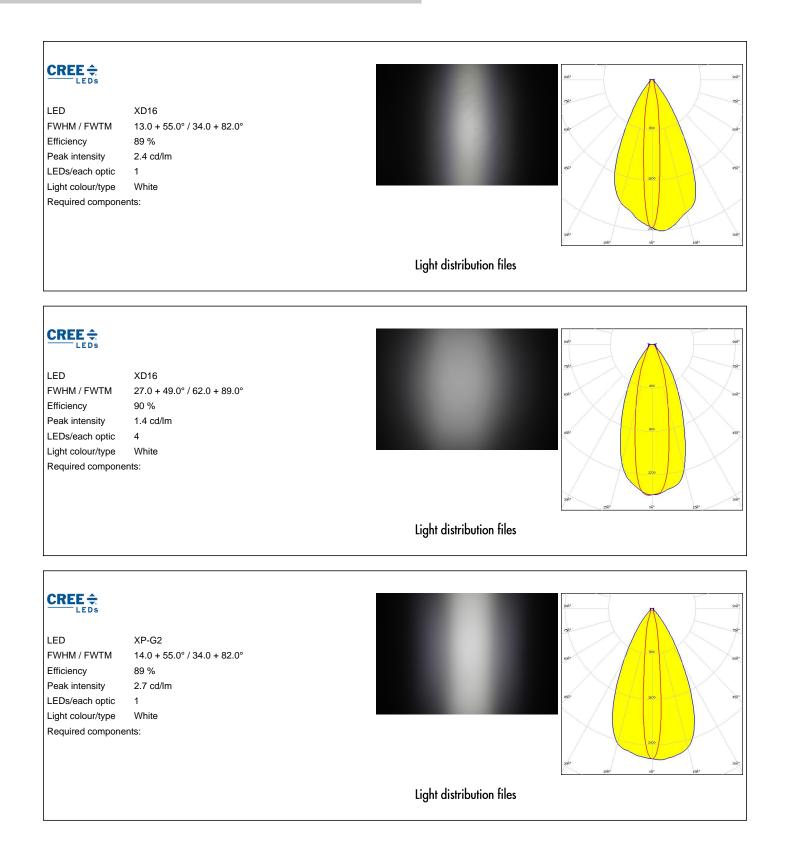
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See also our general installation guide: www.ledil.com/installation\_guide

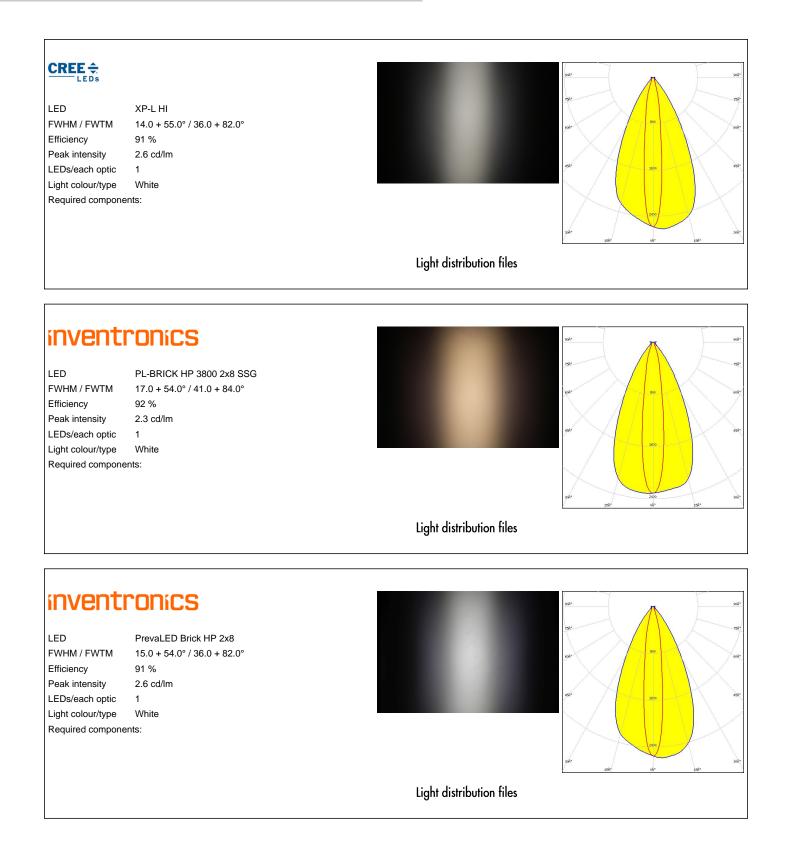




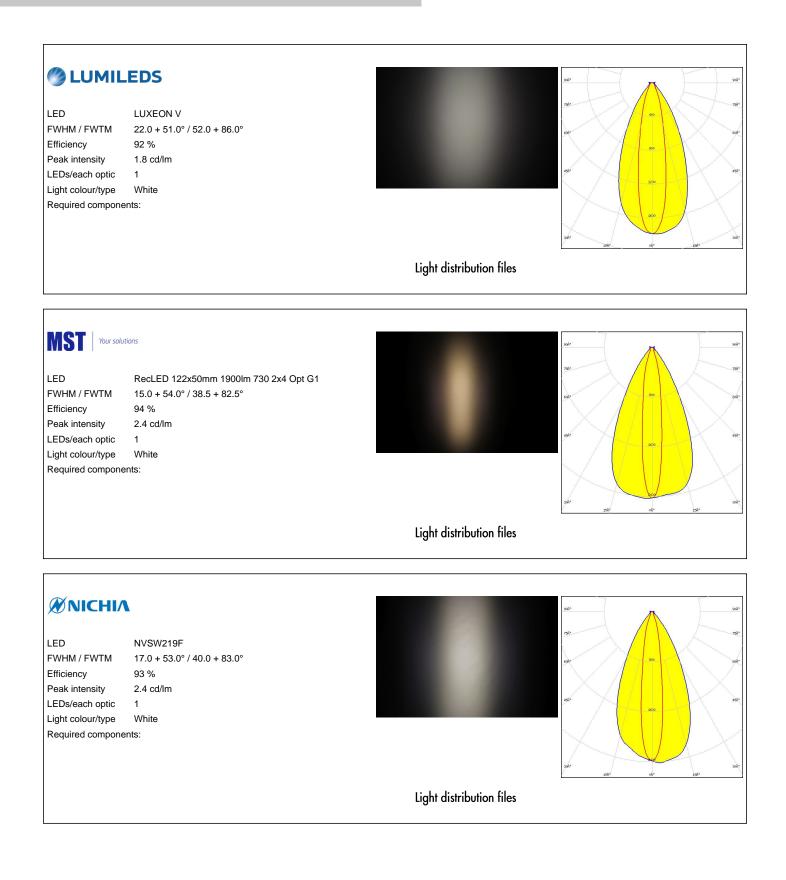








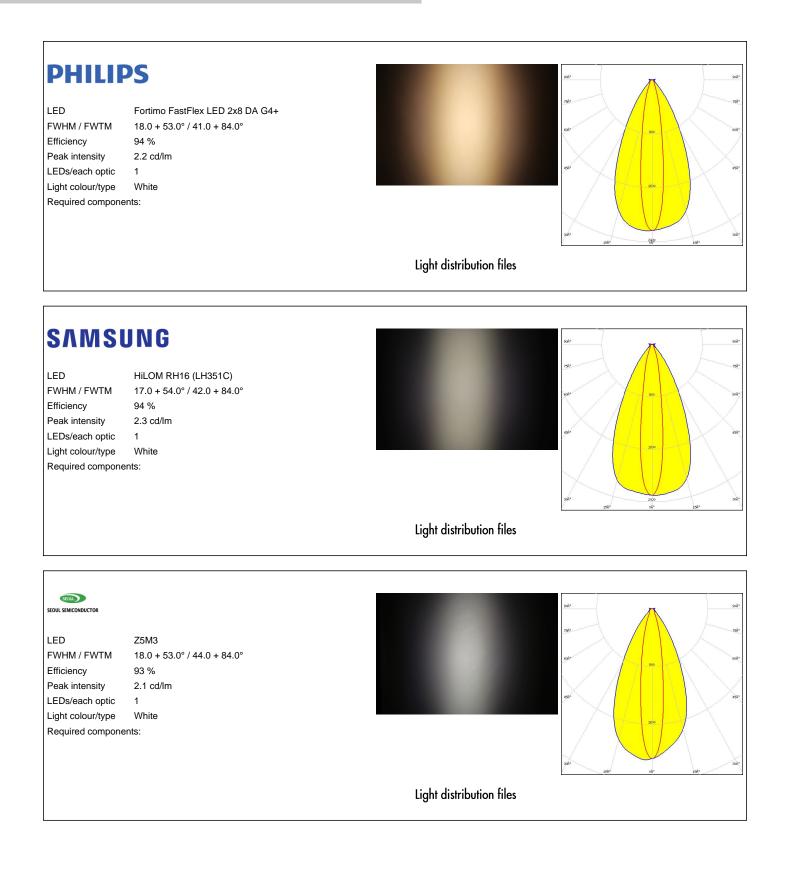






ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	NVSW319B 18.0 + 52.0° / 41.0 + 84.0° 93 % 2.3 cd/lm 1 White	Light distribution files
0000414		
OSRAM Opto Semiconductors	Duris S8 31.0 + 49.0° / 78.0 + 91.0° 92 % 1.3 cd/lm 1 White nts:	Light distribution files
		_g.,
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	OSLON Square CSSRM2/CSSRM3 15.0 + 54.0° / 36.0 + 82.0° 91 % 2.6 cd/lm 1 White nts:	Light distribution files





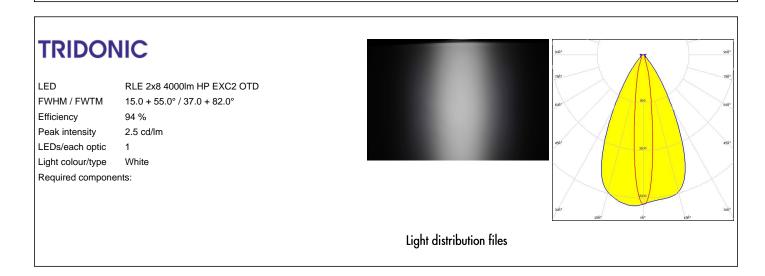


SECUL SEMICONDUCTOR		904*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Z8Y22 20.0 + 53.0° / 50.0 + 85.0° 91 % 1.6 cd/lm 1 White Ints:	24*   60     64*   60     64*   60     64*   60     64*   60     64*   60     64*   60     64*   60     64*   60     65   65     66   65     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66     66   66
		Light distribution files
TRIDON	lic	
LED	RLE 2x4 2000lm HP EXC2 OTD	

FWHM / FWTM 15.0 -Efficiency 94 % Peak intensity 2.5 cc LEDs/each optic 1 Light colour/type White Required components:

RLE 2x4 2000Im HP EXC2 OTD 15.0 + 55.0° / 37.0 + 82.0° 94 % 2.5 cd/lm 1 White

Light distribution files



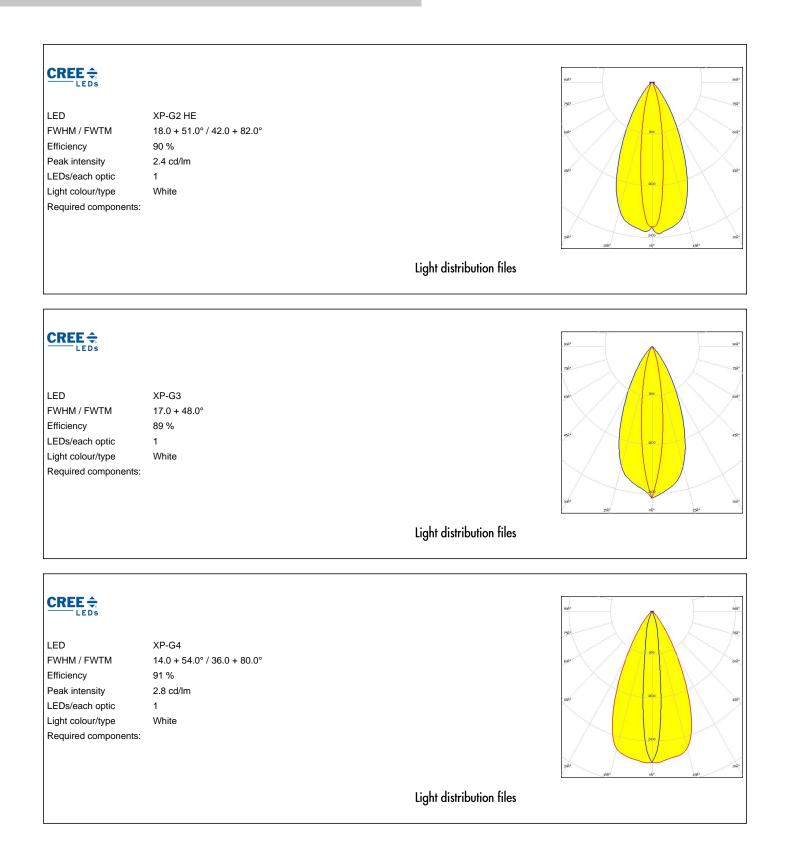


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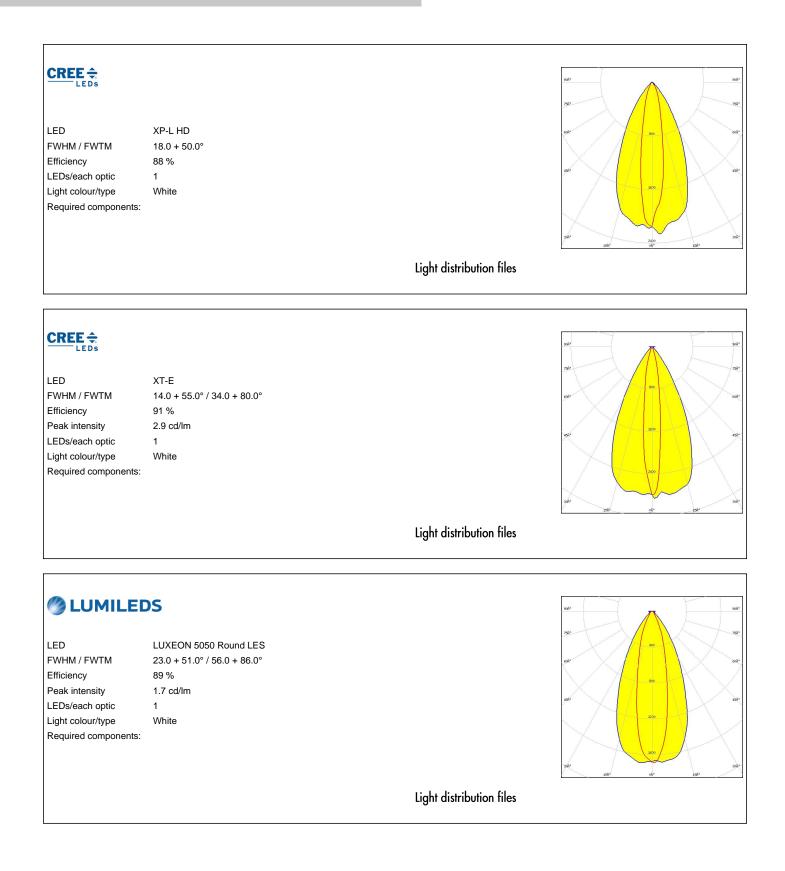
CREE XHP2S HI   LED XHP2S HI   PVMM / FVTM 16.0 + 50.0°   Elforancy 90 %   LEDracesh optic 1   Light colour/type White   Required components: Uight distribution files   CREE Stars   LED XP-E2   FVMM / FVTM 54.0 + 10.0° / 76.0 + 27.0°   Efficiency 93 %   Pass 33 scilla   LED XP-E2   FVMM / FVTM 54.0 + 10.0° / 76.0 + 27.0°   Efficiency 93 %   Pass 23 scilla   LED except optic 1   LED except optic <th></th> <th></th> <th>Light distribution files</th>			Light distribution files
LED XHP35 HI FVMM / FVTM 16.0 + 50.0° Efficiency 90% LEDS/sach option 1 Light colour/type White Required components: LED XP-E2 FVMM / FVTM 54.0 + 10.0° / 78.0 + 27.0° Efficiency 93 % Peak intensity 3.8 cd/lm LEDS/sach option 1 Light distribution files LEDS/sach option 1 Light colour/type White Required components: LEDS/sach option 1 Light distribution files	FWHM / FWTM Efficiency LEDs/each optic Light colour/type	10.0 + 50.0° 90 % 1	
LEDXHP35 HI FWHM / FWTM16.0 + 50.0° Efficiency90 % LEDs/each optic1 Light colour/typeUpweight with the second sec	CREE <del>\$</del> LEDs		
LED XHP35 HI FWHM / FWTM 16.0 + 50.0° Efficiency 90 % LEDs/each optic 1 Light colour/type White Required components:	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	54.0 + 10.0° / 78.0 + 27.0° 93 % 3.8 cd/lm 1	567 500 500 500 500 500 500 500 500 500 50
LEDS	LED FWHM / FWTM Efficiency LEDs/each optic Light colour/type	16.0 + 50.0° 90 % 1	



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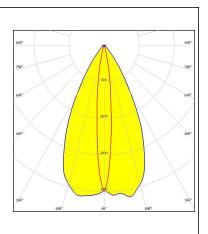




# UMILEDS

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:

LUXEON C 12.0 + 54.0° / 27.0 + 79.0° 91 % 3.4 cd/lm 1 White



Light distribution files

#### LUMILEDS LUXEON HL2X I FD 18.0 + 52.0° / 42.0 + 82.0° FWHM / FWTM Efficiency 90 % Peak intensity 2.3 cd/lm . Ini LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUMILEDS LUXEON HL4X LED FWHM / FWTM 20.0 + 50.0° / 46.0 + 84.0° Efficiency 91 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

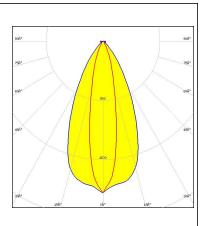


#### LUMILEDS LED LUXEON TX FWHM / FWTM 14.0 + 50.0° Efficiency 90 % LEDs/each optic 1 Light colour/type White Required components: Light distribution files LUMILEDS LUXEON XR-HL2X (L2H2-xxxxxxMLU010) I FD FWHM / FWTM 18.0 + 50.0° / 42.0 + 80.0° Efficiency 82 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Protective plate, glass LUXEON XR-HL2X (L2H2-xxxxxxMLU010) LED FWHM / FWTM 18.0 + 52.0° / 42.0 + 82.0° 91 % Efficiency Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



## **Ø**NICHIΛ

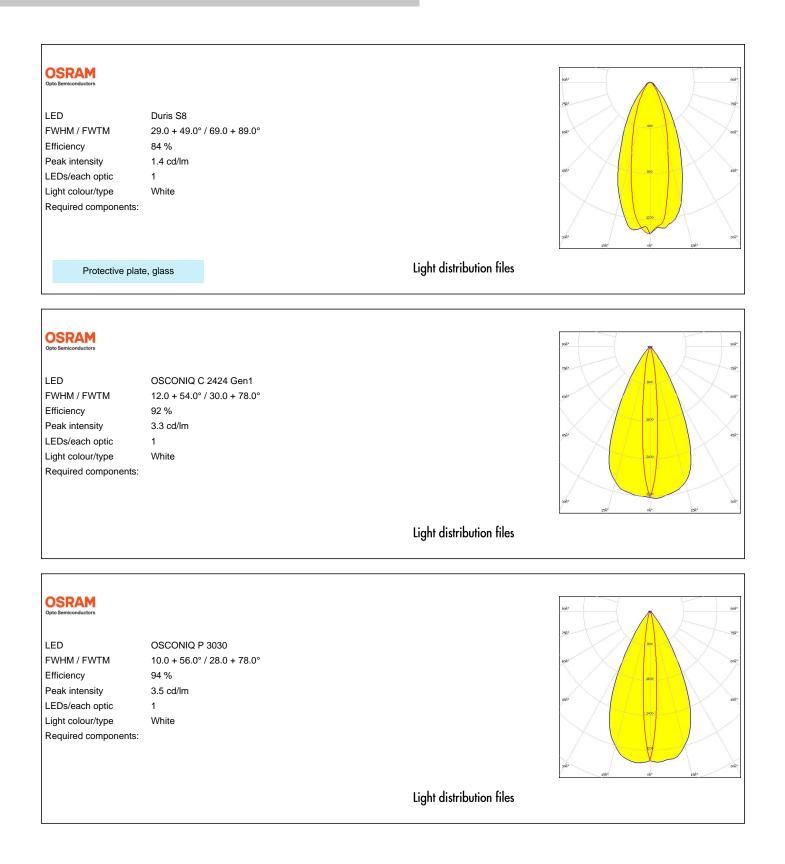
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: NV4WB35AM 20.0 + 50.0° / 48.0 + 84.0° 90 % 2.1 cd/lm 1 White



Light distribution files

#### **Μ**ΝΙCΗΙΛ NVSxx19B/NVSxx19C I FD FWHM / FWTM 16.0 + 53.0° / 38.0 + 81.0° Efficiency 90 % 2.5 cd/lm Peak intensity LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto S LED Duris S8 FWHM / FWTM 26.0 + 49.0° / 59.0 + 86.0° Efficiency 88 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

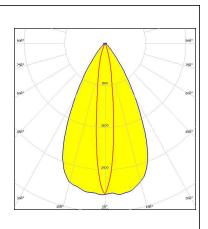






#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: OSCONIQ P 3737 (2W version) 13.0 + 56.0° / 34.0 + 81.0° 93 % 2.9 cd/lm 1 White



#### Light distribution files

#### OSRAM Opto Semiconductore OSCONIQ P 3737 Flat I FD FWHM / FWTM 16.0 + 54.0° / 38.0 + 80.0° Efficiency 92 % 2.6 cd/lm Peak intensity LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto S **OSLON Square Flat** LED FWHM / FWTM 12.0 + 52.0° / 29.0 + 76.0° Efficiency 93 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



#### OSRAM LED OSTAR Projection Compact (KW.CSLNM1.TG) FWHM / FWTM 10.0 + 52.0° / 26.0 + 76.0° Efficiency 93 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **OSRAM** Onto Semiconductors SFH 4715AS I FD FWHM / FWTM 56.0 + 14.0° / 78.0 + 31.0° Efficiency 90 % LEDs/each optic 1 Light colour/type IR Required components: Light distribution files SAMSUNG LED LH502C FWHM / FWTM 28.0 + 50.0° / 64.0 + 86.0° Efficiency 79 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files Protective plate, glass



#### SAMSUNG 75Â' I FD LH502C FWHM / FWTM 26.0 + 50.0° / 64.0 + 86.0° Efficiency 87 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SEOUL SEOUL SEMICONDUCTOR LED MJT 5050 28.0 + 50.0° / 67.0 + 88.0° FWHM / FWTM 87 % Efficiency Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SEOUL 90Å SEOUL SEMICONDUCTOR SEOUL DC 5050 6V LED FWHM / FWTM 26.0 + 50.0° / 60.0 + 86.0° Efficiency 90 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



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Efficiency Peak intensity LEDs/each optic	22.0 + 50.0 7 46.0 + 62.0 81 % 1.9 cd/lm		$\sum$
LED FWHM / FWTM	Z5M5 22.0 + 50.0° / 46.0 + 82.0°	295	
SEOUL SEMICONDUCTOR		908*	
		Light distribution files	
Required components:		246+	158*
Light colour/type	White		K
Peak intensity LEDs/each optic	2.1 cd/lm 1	95° / / / / / / / / / / / / / / / / / / /	$  \rangle >$
Efficiency	90 %		///
FWHM / FWTM	20.0 + 50.0° / 46.0 + 82.0°	ester /	
LED	Z5M5	758	
SEOUL SEMICONDUCTOR		98*	)
		Light distribution files	
required components.		Similated from photometric data 2004	158°
Light colour/type Required components:	White		
LEDs/each optic	1	98°	n ì
Efficiency Peak intensity	92 % 2.7 cd/lm		$\mathbb{N}$
FWHM / FWTM	16.0 + 54.0° / 40.0 + 82.0°	0.00	$\langle \rangle \rangle$
LED	Z5M3-E1	790	
		758*	



SEOUL SEMICONDUCTOR			900- 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type	Z8Y22T 16.0 + 52.0° / 39.0 + 81.0° 90 % 2.5 cd/lm 1 White		557 559 557 559 557 559 559 559
Required components:		Light distribution files	



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#### **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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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