

### STRADELLA-IP-28-HB-S

~30° spot beam. Variant made from PMMA.

### **SPECIFICATION:**

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes 🛈

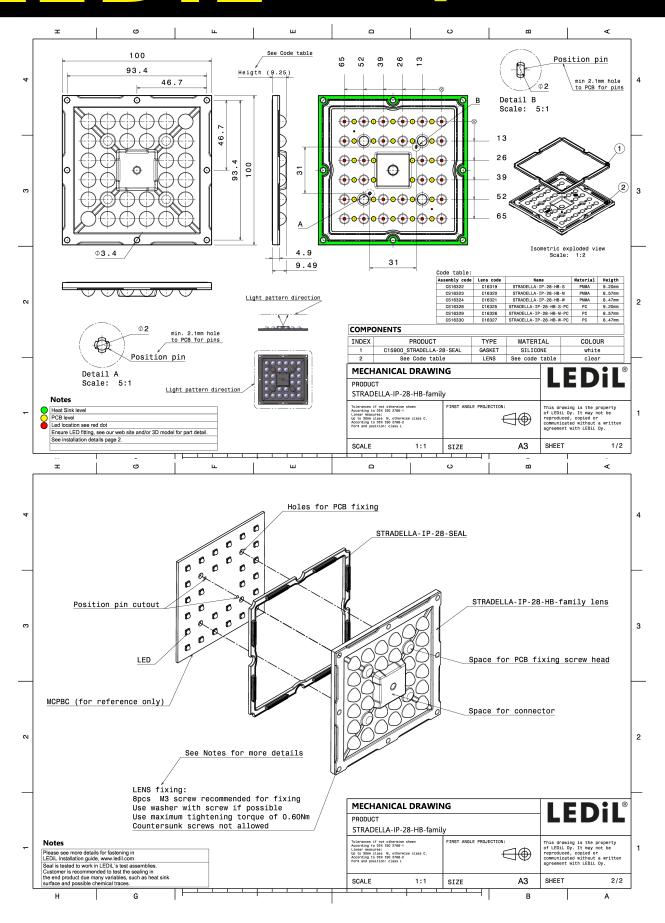


#### MATERIALS:

Component	Туре	Material	Colour	Finish	Length (mm)
STRADELLA-IP-28-HB-S	Multi-lens	PMMA	clear		
STRADELLA-28-SEAL	Seal	Silicone	white		

#### **ORDERING INFORMATION:**

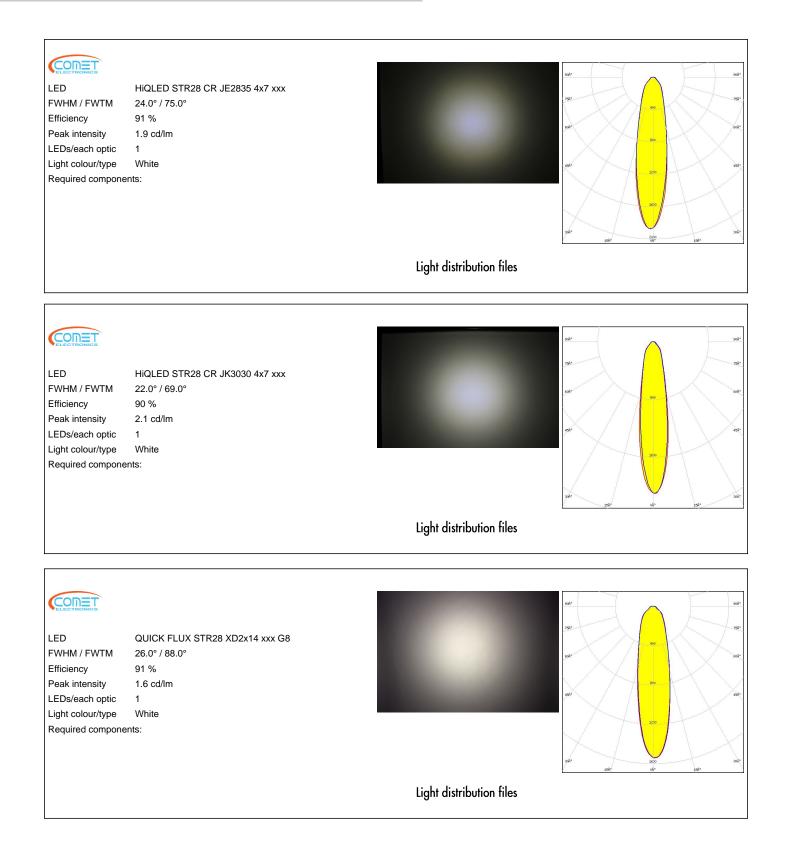
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16322_STRADELLA-IP-28-HB-S	Multi-lens	156	78	78	5.9
» Box size: 476 x 273 x 247 mm					



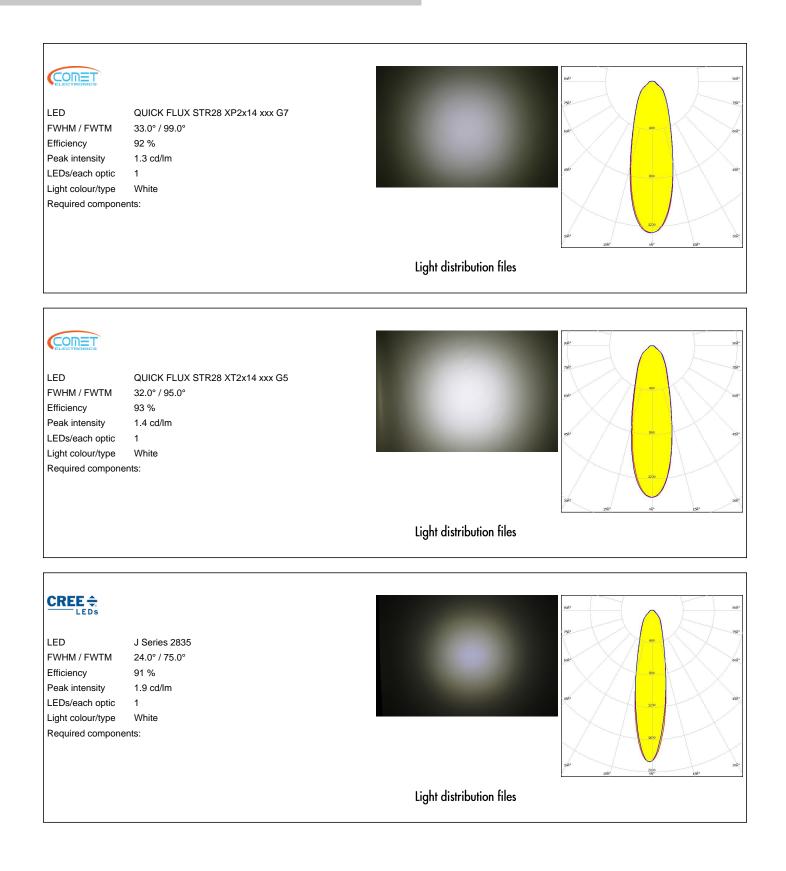
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See also our general installation guide: www.ledil.com/installation\_guide

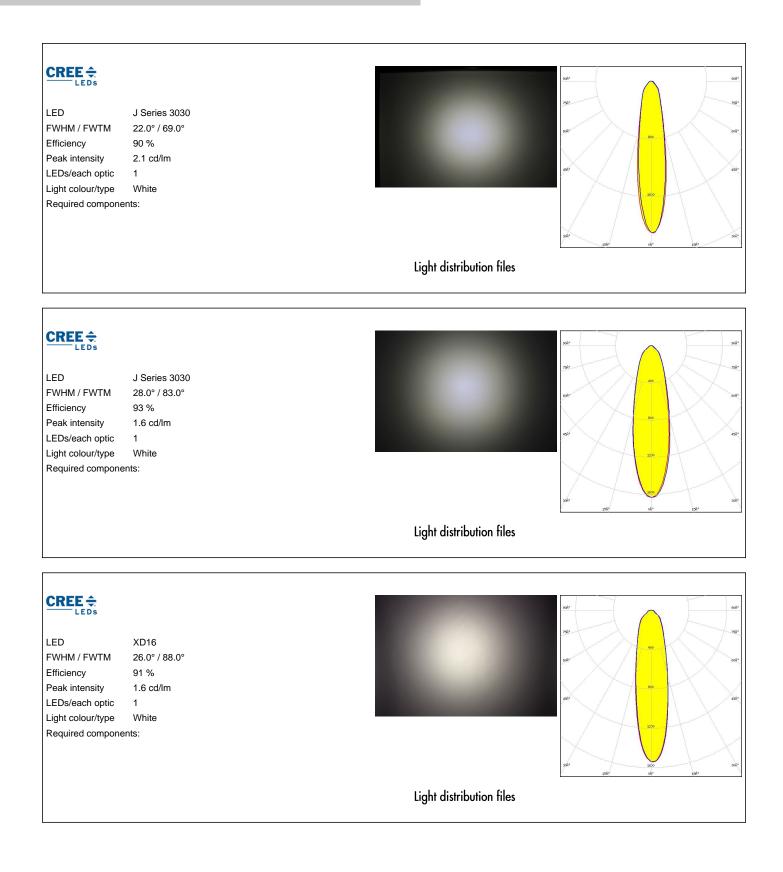




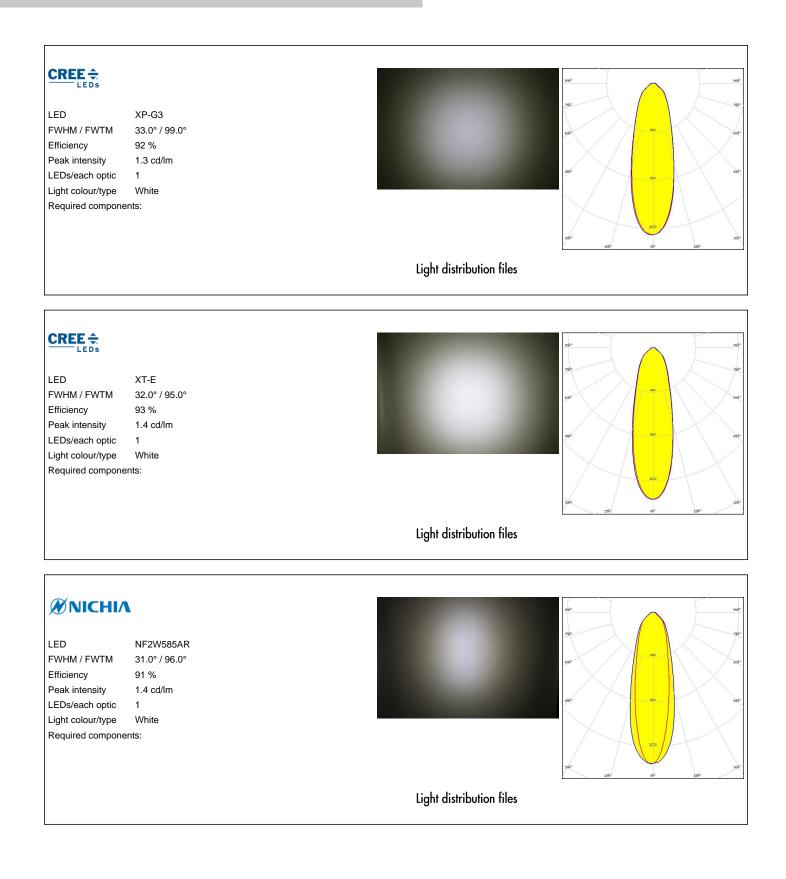




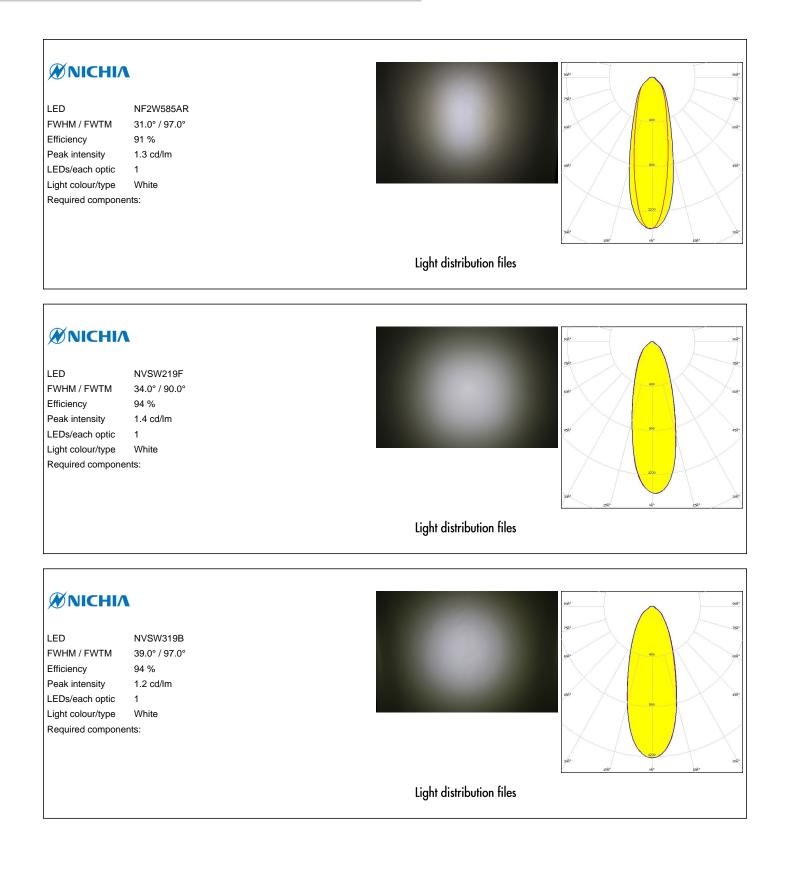






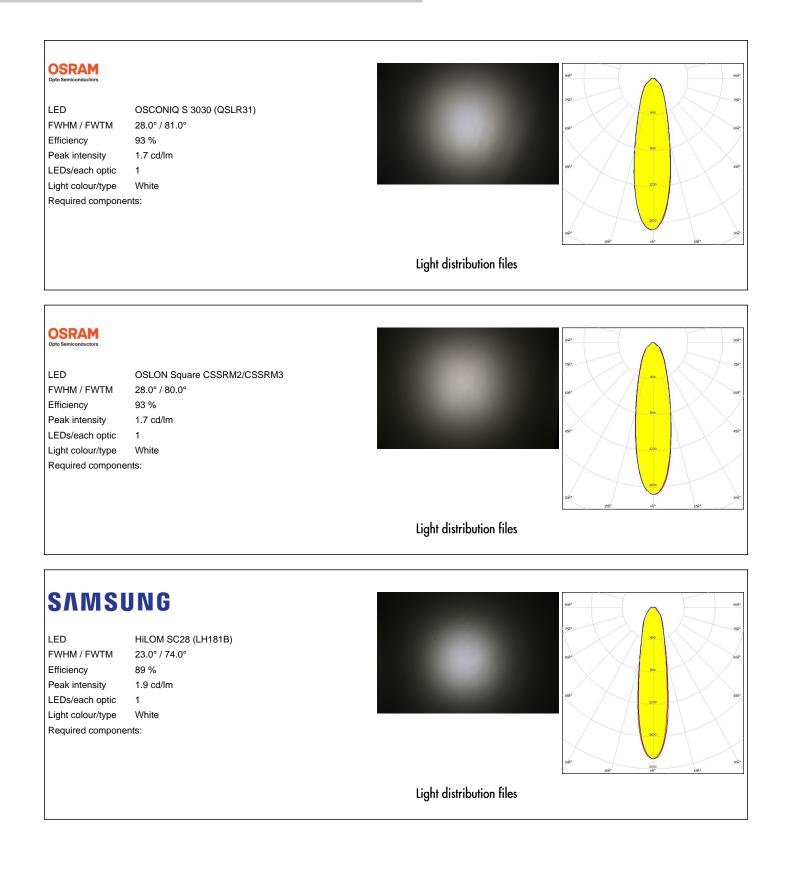






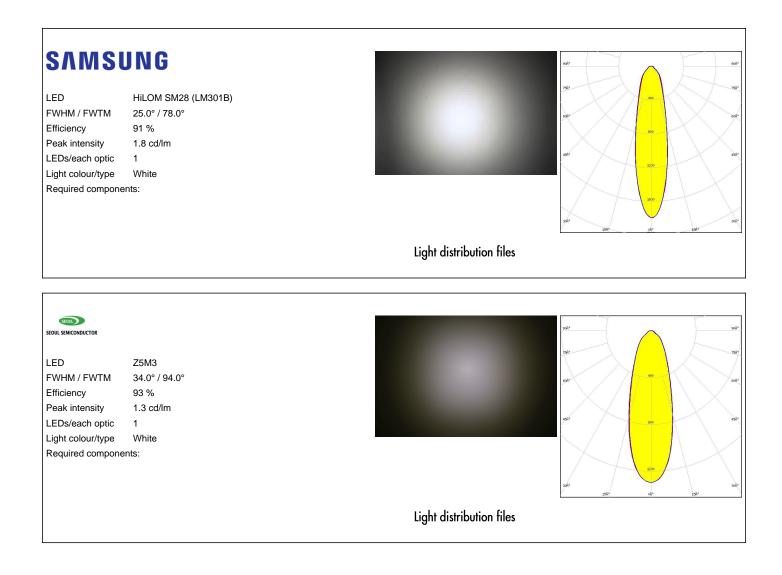


### **OPTICAL RESULTS (MEASURED):**



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J Series 3030C 28.0° / 78.0° 94 % 1.9 cd/lm 1 White	
	Light distribution files
XP-G2 HE 37.0° / 90.0° 92 % 1.3 cd/lm 1 White	Light distribution files
XP-L HI 30.0° / 82.0° 90 % 1.7 cd/lm 1 White	
	28.0° / 78.0° 94 % 1.9 cd/lm 1 White XP-G2 HE 37.0° / 90.0° 92 % 1.3 cd/lm 1 White XP-L HI 30.0° / 82.0° 90 % 1.7 cd/lm 1



### **OPTICAL RESULTS (SIMULATED):**

#### LUMILEDS I FD LUXEON 3030 2D (Round LES) FWHM / FWTM 27.0° / 74.0° Efficiency 92 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **Μ**ΝΙCΗΙΛ I FD NF2x757G FWHM / FWTM 28.0° / 76.0° Efficiency 93 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **MNICHIA** NVSW219F LED FWHM / FWTM 34.0° / 84.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files

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### **OPTICAL RESULTS (SIMULATED):**

#### **ΜΝΙCΗΙΛ** I FD NVSxE21A FWHM / FWTM 25.0° / 73.0° Efficiency 92 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **Μ**ΝΙCΗΙΛ 90Å NVSxx19B/NVSxx19C I FD FWHM / FWTM 34.0° / 86.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto OSCONIQ C 2424 LED FWHM / FWTM 25.0° / 73.0° Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



Correst Semiconductors	OSCONIQ C 3030 28.0° / 76.0° 94 % 1.9 cd/lm 1 White	Light distribution files	964*     964*       136*     664*       664*     664       664*     664       664*     664       664*     664       664*     664       664*     666       664*     666       664*     666       666*     666 </th
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSCONIQ P 3030 22.0° / 60.0° 94 % 2.8 cd/lm 1 White	Light distribution files	-1940 -1940 -1947 -1947 -1949
COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSCONIQ P 3737 (2W version) 27.0° / 69.0° 93 % 2.2 cd/lm 1 White	Light distribution files	584 594 594 694 694 694 694 694 694 694 6



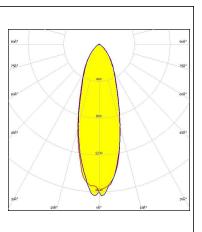
Determinionductors	OSLON Pure 1414 18.0° / 58.0° 95 % 3 cd/lm 1 White		*ke 740 *60 *60 *60 *60 *60 *60 *60 *60 *60 *6
		Light distribution files	
Corresting Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 30.0° / 80.0° 91 % 1.6 cd/lm 1 White	Light distribution files	964 964 964 964 966 966 966 966
COSRAM Opto Semiconductors	OSLON SSL 80 23.0° / 51.0° 93 % 3.1 cd/lm 1 White	Light distribution files	*iec *iec



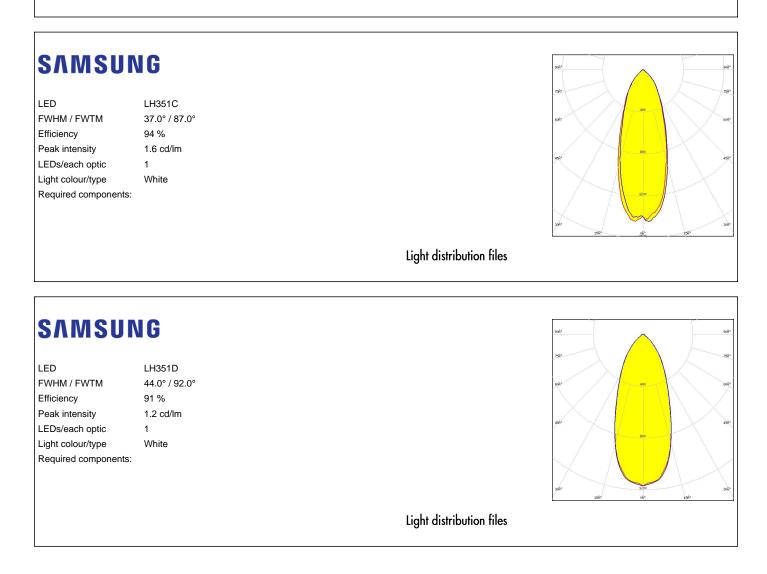
### **OPTICAL RESULTS (SIMULATED):**

# SAMSUNG

LED	LH351B
FWHM / FWTM	33.0° / 82.0°
Efficiency	94 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files





SAMSUN	IG		100 100 100 100 100 100 100 100 100 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LM301B 29.0° / 78.0° 93 % 1.9 cd/lm 1 White		200 200 200 200 200 200 200 200
		Light distribution files	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SEOUL 3030 28.0° / 78.0° 93 % 1.9 cd/lm 1 White	Light distribution files	99 <sup>4</sup> 79 <sup>1</sup> 64 67 67 67 79 <sup>1</sup> 60 60 60 60 60 60 60 60 60 60 60 60 60
		Light distribution files	
seout semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SEOUL DC 3030C 28.0° / 77.0° 93 % 1.9 cd/lm 1 White		94* 94* 100 75* 64* 65* 120
		Light distribution files	( <u></u>



SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	SEOUL DC 5050 6V 46.0° / 98.0° 89 % 1 cd/lm 1 White	-164 796- 896- 996- 996- 996- 106- 106- 106- 106- 106- 106- 106- 10	
		Light distribution files	
SEOUL SEMICONDUCTOR		96Å <sup>2</sup>	90
LED	Z5M1/Z5M2	741-	400
FWHM / FWTM	30.0° / 79.0°	50 <b>7</b>	
Efficiency	94 %		
Peak intensity	1.8 cd/lm	94	
LEDs/each optic Light colour/type	1 White		1230
Required components:	White		
		-16c -16c	1600 1600 1760 X
		Light distribution files	
SEDUL			
SEOUL SEMICONDUCTOR		9.4*	
LED	Z8Y19	78	- 400
FWHM / FWTM	24.0° / 84.0°	opt-	
Efficiency	89 %		
Peak intensity	1.7 cd/lm	et#	
	1		4
Light colour/type	White		
LEDs/each optic Light colour/type Required components:	White	yber yfwei	660) 04° 554° 30



SEOUL SEMICONDUCTOR		264*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z8Y22 29.0° / 88.0° 92 % 1.5 cd/lm 1 White	294*
		Light distribution files
SEOUL SEMICONDUCTOR		98 <sup>4</sup>
	Z8Y22T 32.0° / 83.0° 92 % 1.6 cd/lm 1 White	900 732 644 900 900 900 900 900 900 900 9



#### **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.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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