

## VERONICA-SQ-RS

~13° spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
VERONICA-SQ-RS	Single lens	PMMA	clear	
VERONICA-TAPE	Tape	Acrylic foam	clear	



### ORDERING INFORMATION:

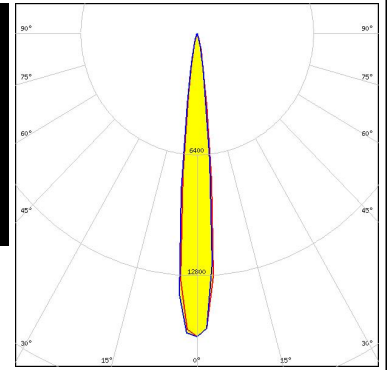
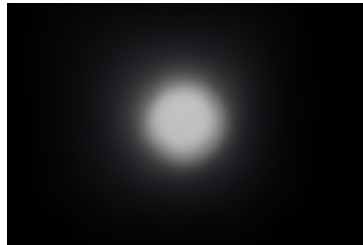
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA13724_VERONICA-SQ-RS » Box size: 480 x 280 x 300 mm	Single lens	1980	360	90	8.2



#### PHOTOMETRIC DATA (MEASURED):

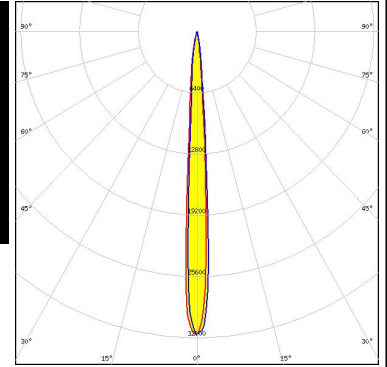
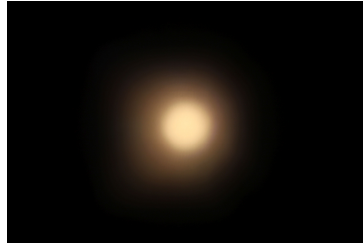
##### CREE LED

LED XB-H  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 87 %  
 Peak intensity 16 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



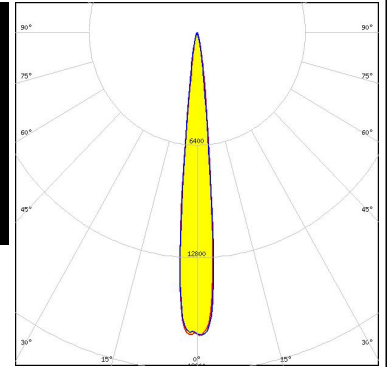
##### CREE LED

LED XP-E2  
 FWHM / FWTM 7.0° / 17.0°  
 Efficiency 97 %  
 Peak intensity 31.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



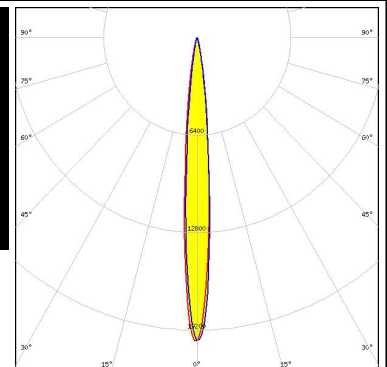
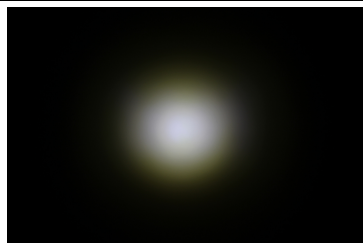
##### CREE LED

LED XP-G2  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 18.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

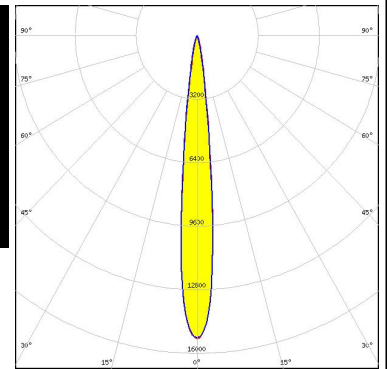
LED LUXEON 3030 2D (Square LES)  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 92 %  
 Peak intensity 19.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

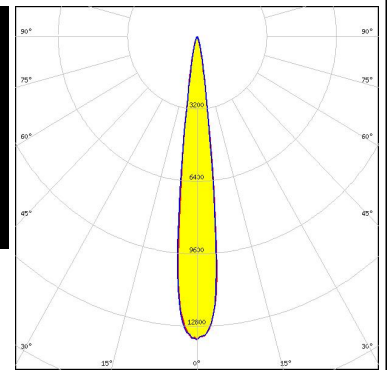
#### LUMILEDS

LED LUXEON V2  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 94 %  
 Peak intensity 15.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



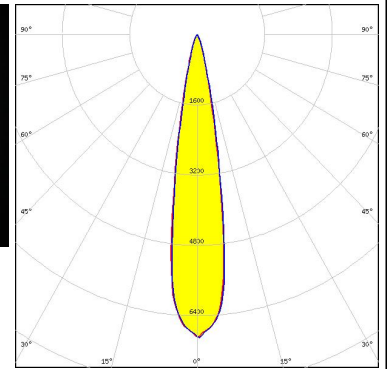
#### NICHIA

LED NVSW219F  
 FWHM / FWTM 13.0° / 23.0°  
 Efficiency 94 %  
 Peak intensity 13.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



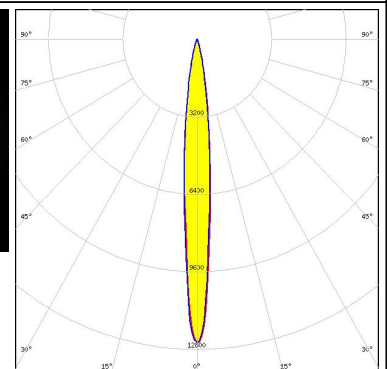
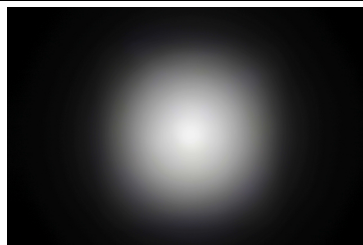
#### NICHIA

LED NWSx229A  
 FWHM / FWTM 18.0° / 33.0°  
 Efficiency 88 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

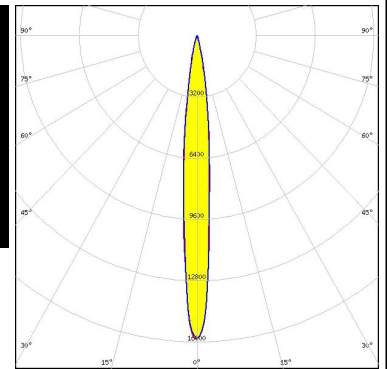
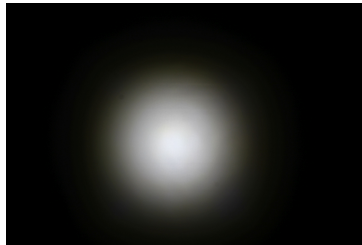
LED LH181A  
 FWHM / FWTM 10.0° / 26.0°  
 Efficiency 93 %  
 Peak intensity 12.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

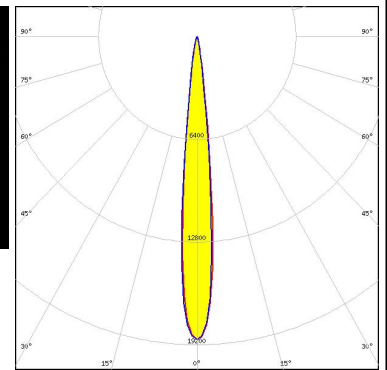
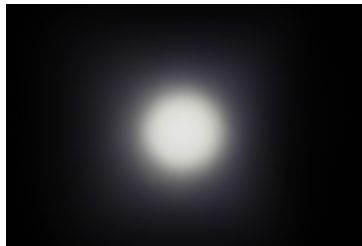
### SAMSUNG

LED LH181B  
 FWHM / FWTM 10.0° / 24.0°  
 Efficiency 94 %  
 Peak intensity 15.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



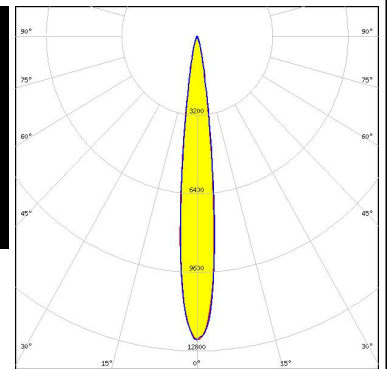
### SAMSUNG

LED LH351Z  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 89 %  
 Peak intensity 18.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



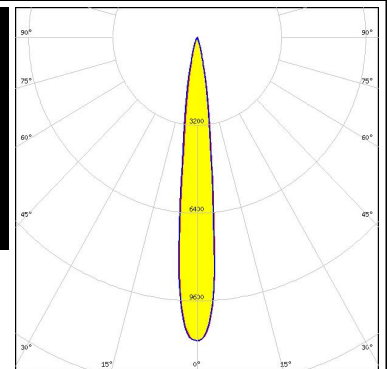
SEOUL SEMICONDUCTOR

LED Z5M3  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 94 %  
 Peak intensity 12.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 86 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



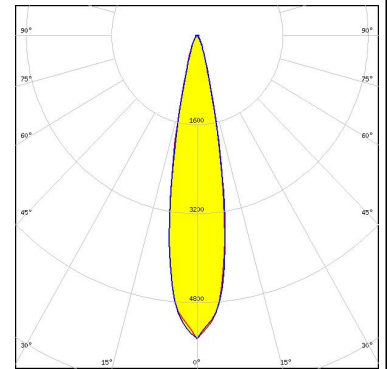
#### PHOTOMETRIC DATA (MEASURED):



#### PHOTOMETRIC DATA (SIMULATED):



LED XHP35.2  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 94 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XM-L  
 FWHM / FWTM 15.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XM-L2  
 FWHM / FWTM 15.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-E  
 FWHM / FWTM 8.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



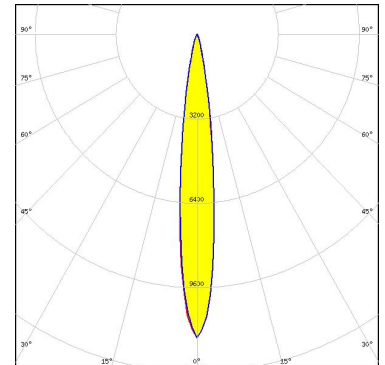
#### PHOTOMETRIC DATA (SIMULATED):



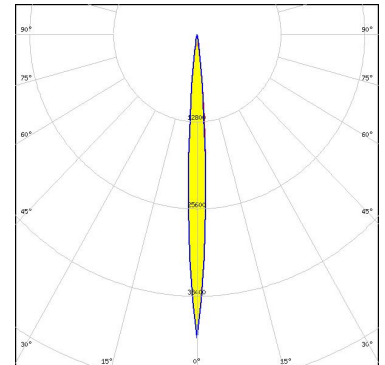
LED XP-G  
 FWHM / FWTM 10.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



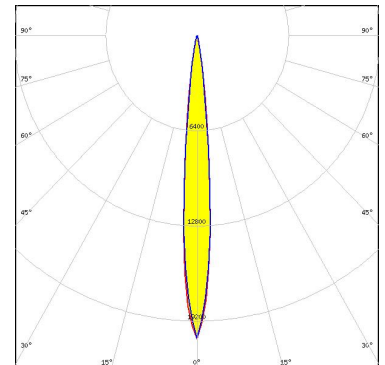
LED XP-G2 HE  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 98 %  
 Peak intensity 11.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-P  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 96 %  
 Peak intensity 44.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XT-E  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 20.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

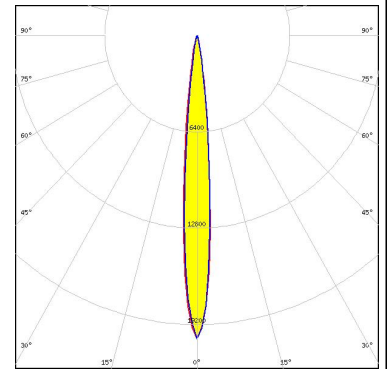




#### PHOTOMETRIC DATA (SIMULATED):

##### LUMILEDS

LED LUXEON 3030 HV  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 94 %  
 Peak intensity 21 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

LED LUXEON A  
 FWHM / FWTM 11.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

##### LUMILEDS

LED LUXEON R  
 FWHM / FWTM 11.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

##### LUMILEDS

LED LUXEON Rebel  
 FWHM / FWTM 9.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

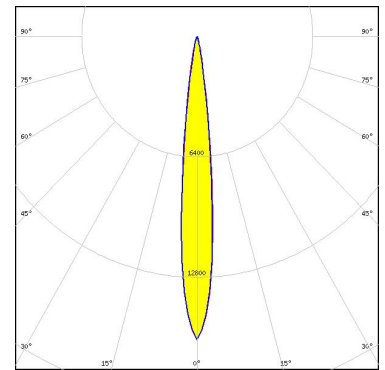
#### PHOTOMETRIC DATA (SIMULATED):

##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 11.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

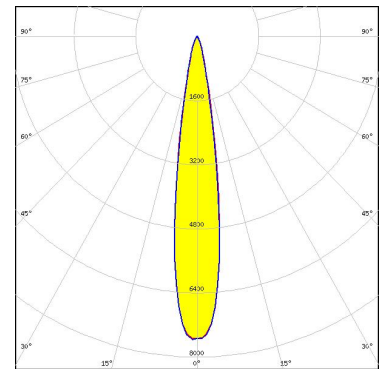
##### LUMILEDS

LED LUXEON T  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 96 %  
 Peak intensity 16.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### LUMILEDS

LED LUXEON V  
 FWHM / FWTM 17.0° / 31.0°  
 Efficiency 94 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





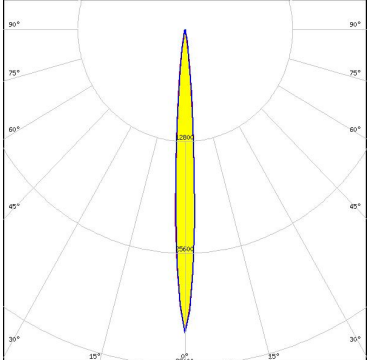

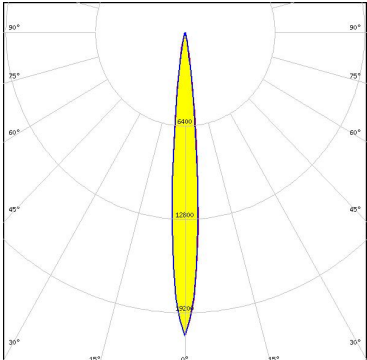

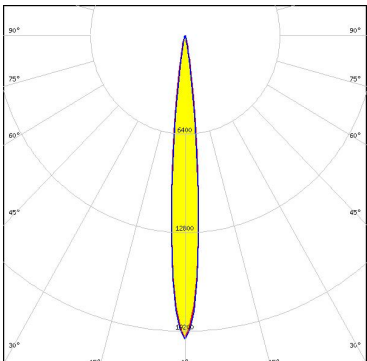
##### NICHIA

LED NCSxx19A  
 FWHM / FWTM 8.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NF2x757G            FWHM / FWTM: 10.0° / 21.0°            Efficiency: 96 %            Peak intensity: 18.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NV4WB35AM            FWHM / FWTM: 18.0° / 32.0°            Efficiency: 96 %            Peak intensity: 7.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 9.4° / 21.0°            Efficiency: 94 %            Peak intensity: 20.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19A            FWHM / FWTM: 15.0° / 28.0°            Efficiency: 96 %            Peak intensity: 10.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

		
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	11.0°	
Efficiency	89 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	OSCONIQ P 3030	
FWHM / FWTM	7.3° / 16.0°	
Efficiency	96 %	
Peak intensity	34.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	10.0° / 20.0°	
Efficiency	94 %	
Peak intensity	20.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		
LED	OSLON Square EC	
FWHM / FWTM	10.0° / 19.0°	
Efficiency	94 %	
Peak intensity	20.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

LED OSLON Square PC  
FWHM / FWTM 10.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### OSRAM

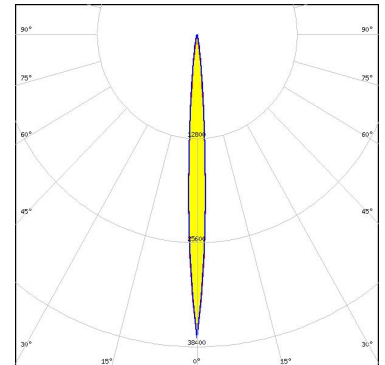
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 8.0°  
Efficiency 91 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### OSRAM

Opto Semiconductors


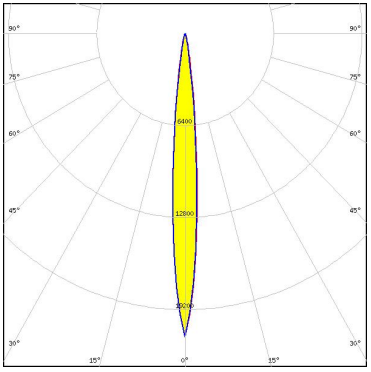

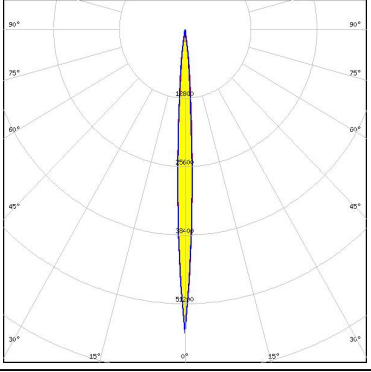

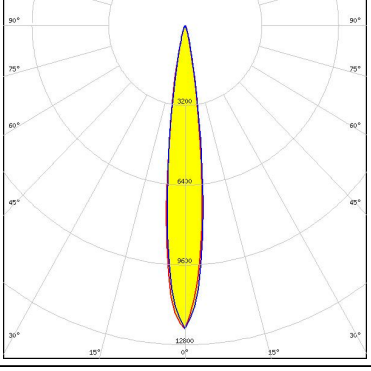

LED OSLON SSL 80  
FWHM / FWTM 7.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH351B  
FWHM / FWTM 12.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT 3030</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 21.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5</p> <p>FWHM / FWTM 6.0° / 13.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 56.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 14.0° / 26.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 12.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 12.0° / 26.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 12.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	