

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

~30° spot beam. Variant made from PC.

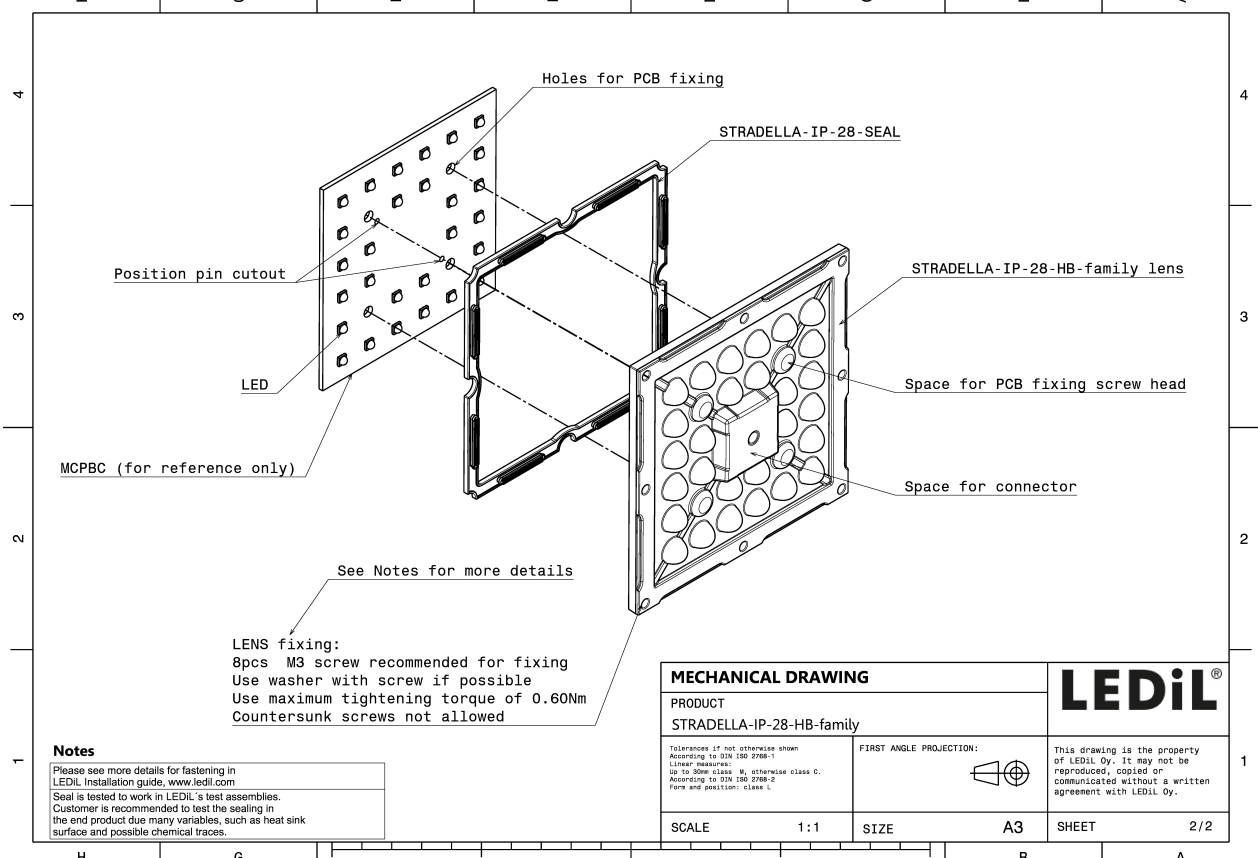
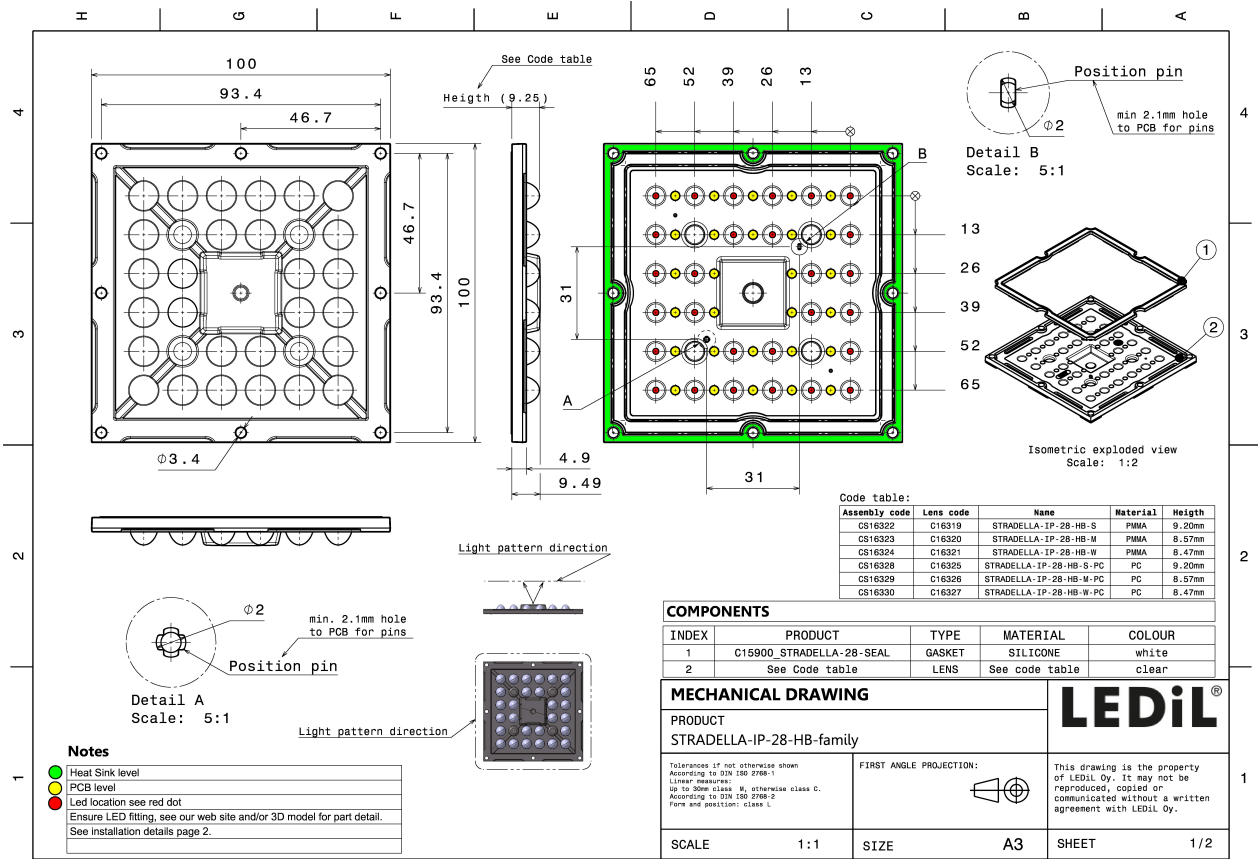
### TECHNICAL SPECIFICATIONS:

Dimensions	100.0 mm
Height	9.5 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	6 kg
Quantity in Box	156 pcs
ROHS compliant	yes ⓘ



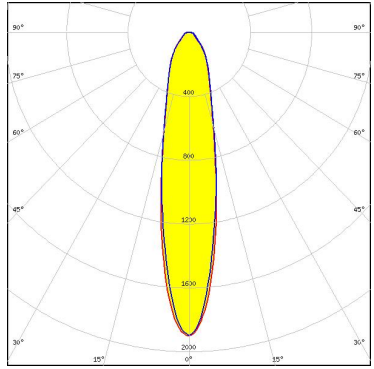


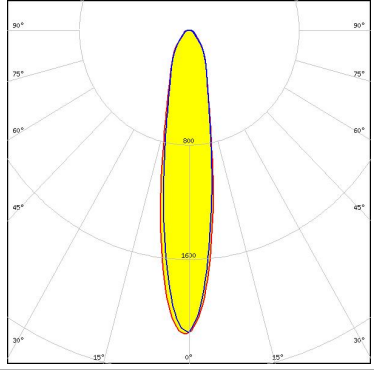


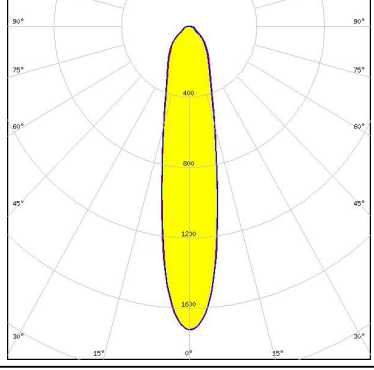

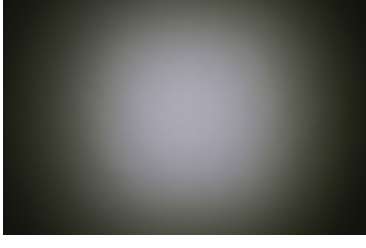
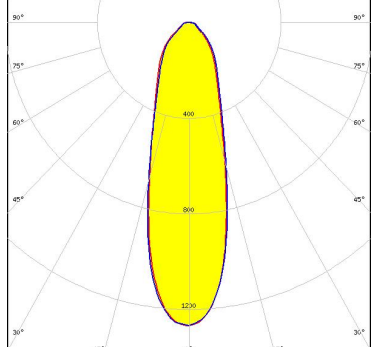


### MATERIAL SPECIFICATIONS:


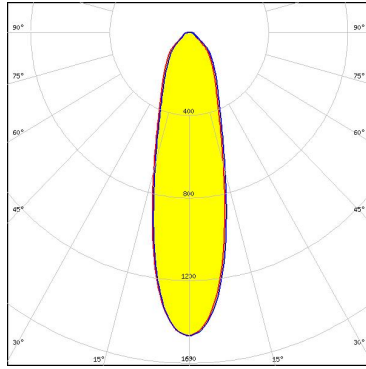

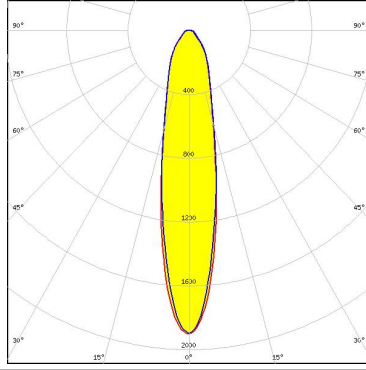

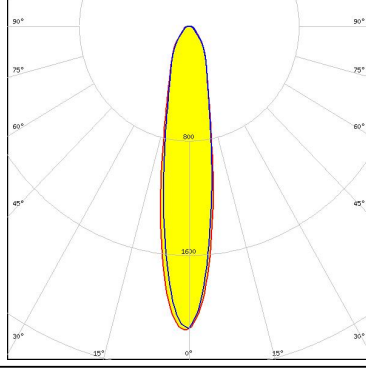
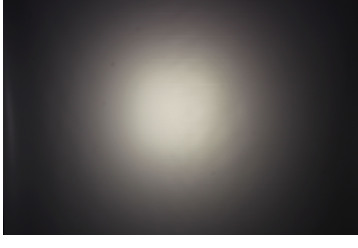
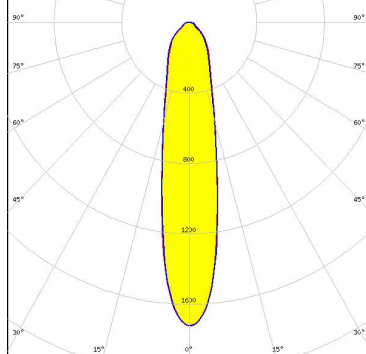
Component	Type	Material	Colour
STRADELLA-IP-28-HB-S-PC	Multi-lens	PC	
STRADELLA-28-SEAL	Seal	Silicone	white



#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED HiQLED STR28 CR JE2835 4x7 xxx            FWHM 22.0°            Efficiency 83 %            Peak intensity 1.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED HiQLED STR28 CR JÐš3030 4x7 xxx            FWHM 20.0°            Efficiency 82 %            Peak intensity 2.100 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED QUICK FLUX STR28 XD2x14 xxx G8            FWHM 22.0°            Efficiency 83 %            Peak intensity 1.700 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED QUICK FLUX STR28 XP2x14 xxx G7            FWHM 30.0°            Efficiency 89 %            Peak intensity 1.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

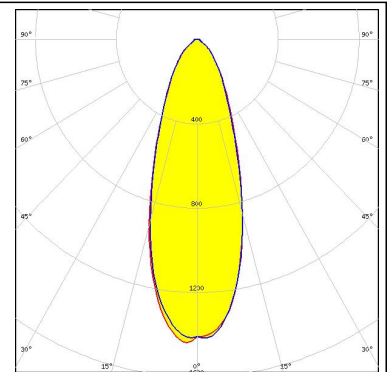
<p><b>COMET ELECTRONICS</b></p> <p>LED QUICK FLUX STR28 XT2x14 xxx G5            FWHM 29.0°            Efficiency 86 %            Peak intensity 1.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b></p> <p>LED J Series 2835            FWHM 22.0°            Efficiency 83 %            Peak intensity 1.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b></p> <p>LED J Series 3030            FWHM 20.0°            Efficiency 82 %            Peak intensity 2.100 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b></p> <p>LED XD16            FWHM 22.0°            Efficiency 83 %            Peak intensity 1.700 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		



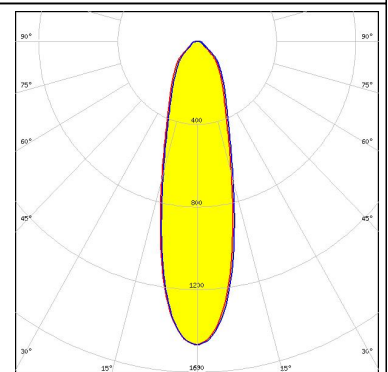
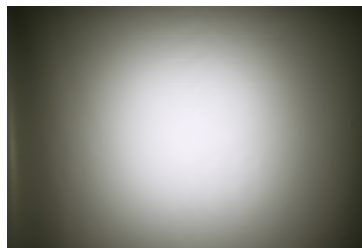
#### PHOTOMETRIC DATA (MEASURED):



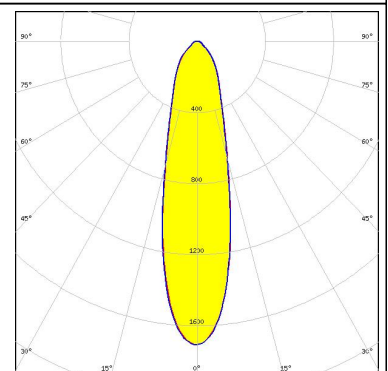
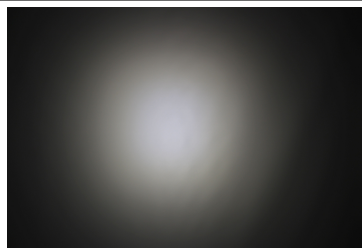
LED XP-G3  
 FWHM 30.0°  
 Efficiency 84 %  
 Peak intensity 1.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



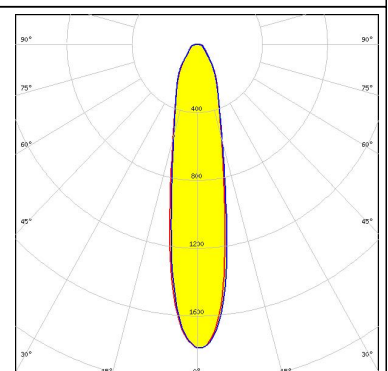
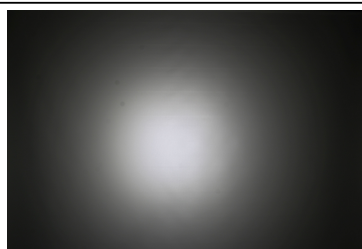
LED XT-E  
 FWHM 29.0°  
 Efficiency 86 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSCONIQ S 3030  
 FWHM 26.0°  
 Efficiency 86 %  
 Peak intensity 1.708 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



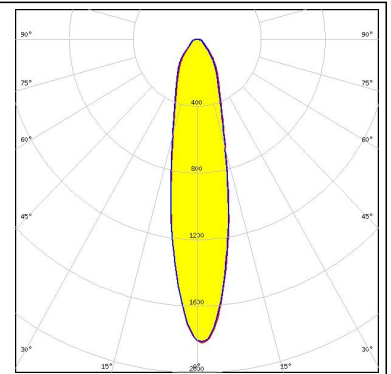
LED HiLOM SC28 (LH181B)  
 FWHM 21.0°  
 Efficiency 80 %  
 Peak intensity 1.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

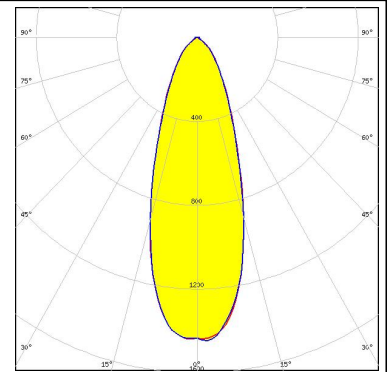
LED HiLOM SM28 (LM301B)  
FWHM 23.0°  
Efficiency 83 %  
Peak intensity 1.800 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



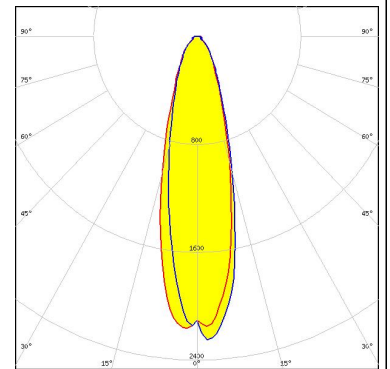
#### PHOTOMETRIC DATA (SIMULATED):



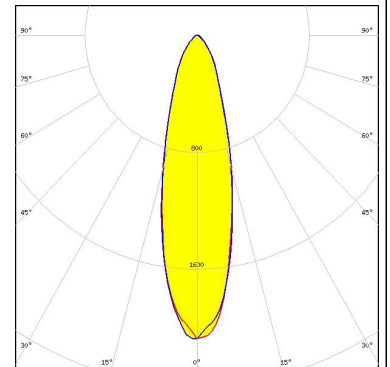
LED XP-G2 HE  
FWHM 36.0°  
Efficiency 85 %  
Peak intensity 1.457 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



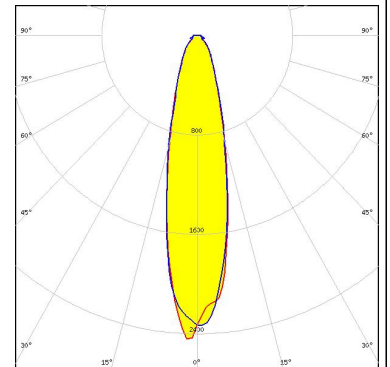
LED LUXEON 3030 2D (Round LES)  
FWHM 25.0°  
Efficiency 89 %  
Peak intensity 2.204 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NF2x757G  
FWHM 27.0°  
Efficiency 91 %  
Peak intensity 2.150 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



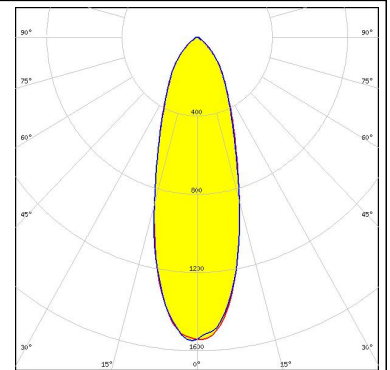
LED NVSxE21A  
FWHM 23.0°  
Efficiency 89 %  
Peak intensity 2.384 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



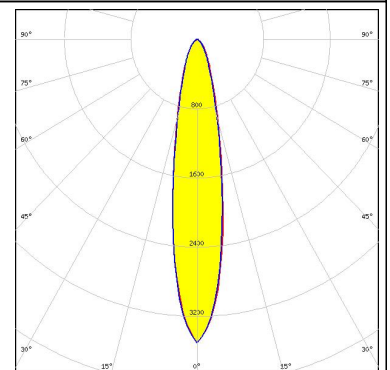
#### PHOTOMETRIC DATA (SIMULATED):



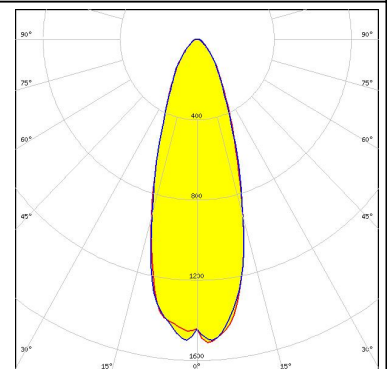
**LED** NVSxx19B/NVSxx19C  
**FWHM** 34.0°  
**Efficiency** 93 %  
**Peak intensity** 1.558 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



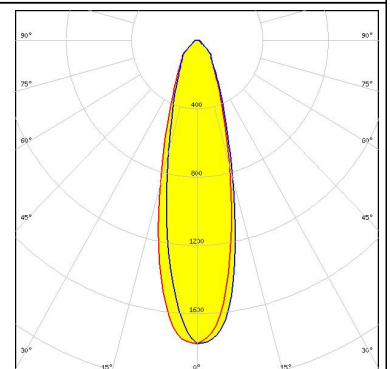
**LED** OSCONIQ P 3030  
**FWHM** 20.0°  
**Efficiency** 92 %  
**Peak intensity** 3.508 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**




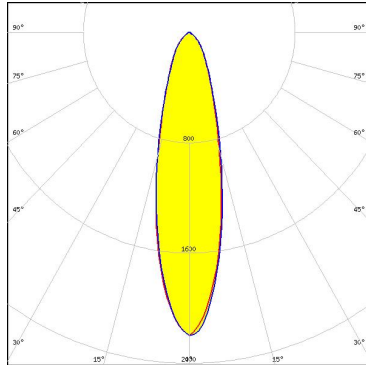

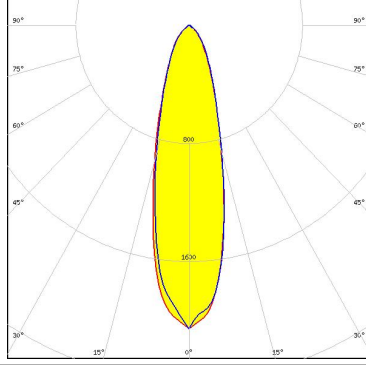

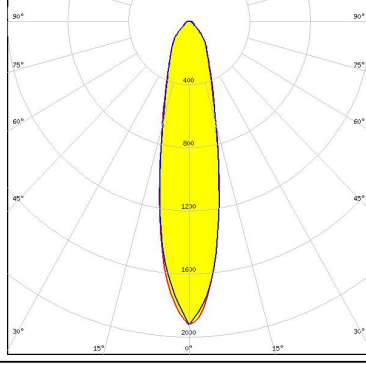

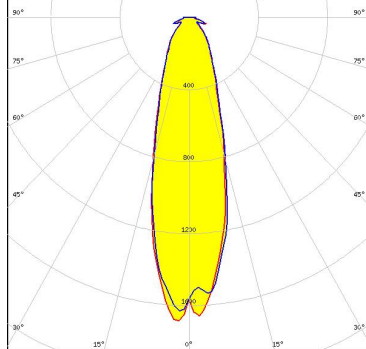
**LED** OSCONIQ P 3737 (3W version)  
**FWHM** 34.0°  
**Efficiency** 90 %  
**Peak intensity** 1.500 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** OSLOM Square CSSRM2/CSSRM3  
**FWHM** 27.0°  
**Efficiency** 85 %  
**Peak intensity** 1.780 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



#### PHOTOMETRIC DATA (SIMULATED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 3030C            FWHM: 26.0°            Efficiency: 88 %            Peak intensity: 2.202 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z5M1/Z5M2            FWHM: 27.0°            Efficiency: 87 %            Peak intensity: 2.070 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z8Y19            FWHM: 24.0°            Efficiency: 82 %            Peak intensity: 1.920 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: Z8Y22            FWHM: 28.0°            Efficiency: 89 %            Peak intensity: 1.629 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	



#### 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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