


VERONICA-SQ-SE

~190° side emitter beam

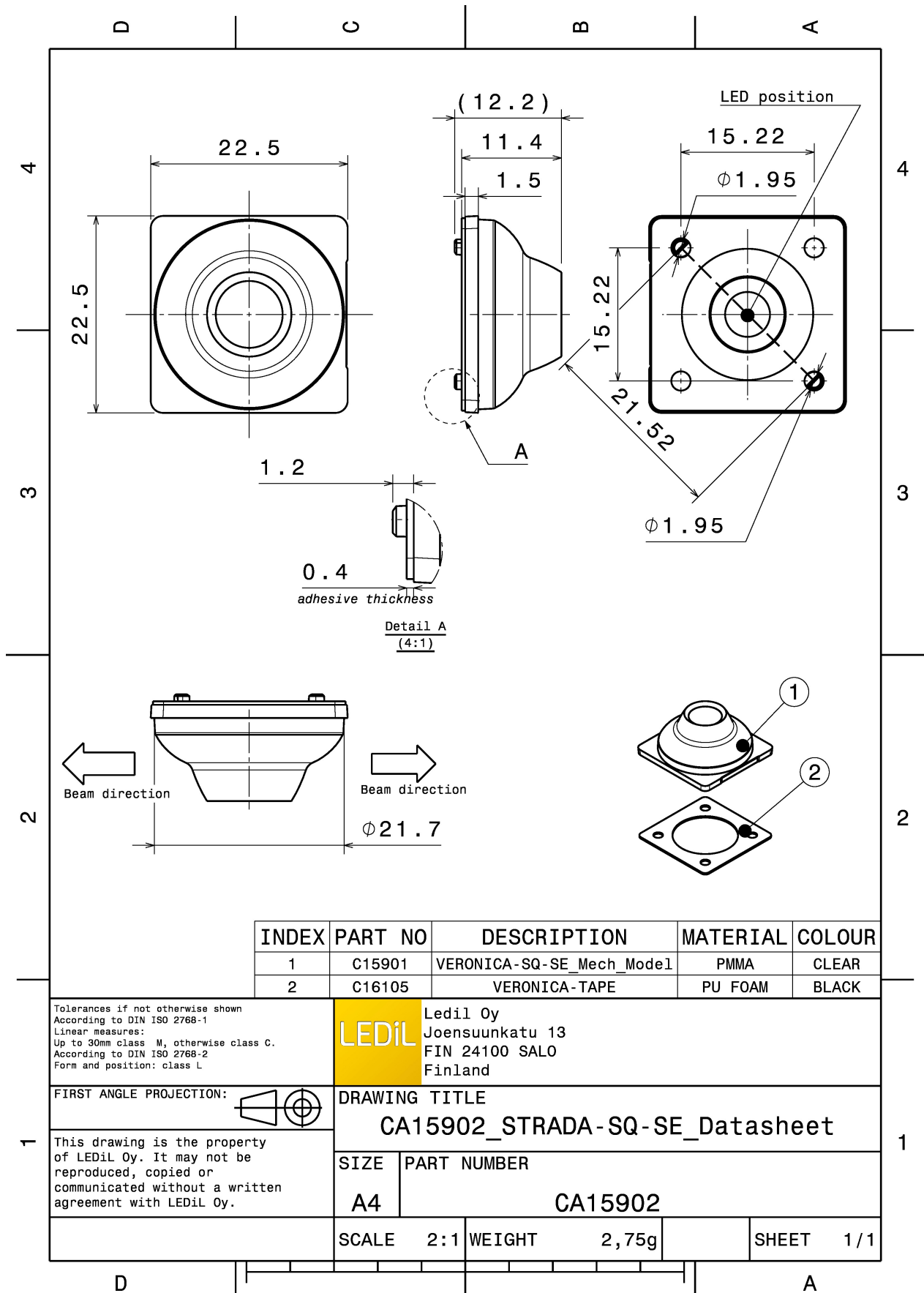
TECHNICAL SPECIFICATIONS:

Dimensions	22.5 mm
Height	11.4 mm
Fastening	tape
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.6 kg
Quantity in Box	3060 pcs
ROHS compliant	yes 



MATERIAL SPECIFICATIONS:

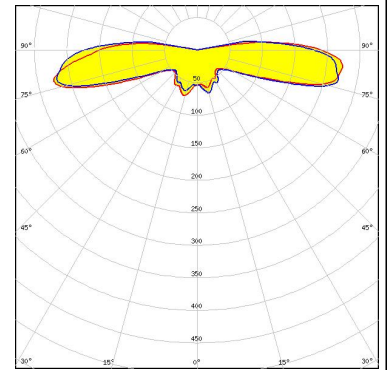
Component	Type	Material	Colour
VERONICA-SQ-SE	Lens	PMMA	clear
VERONICA-TAPE	Tape		



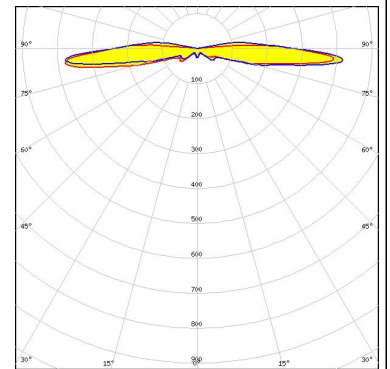
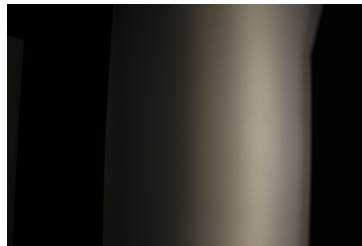
PHOTOMETRIC DATA (MEASURED):



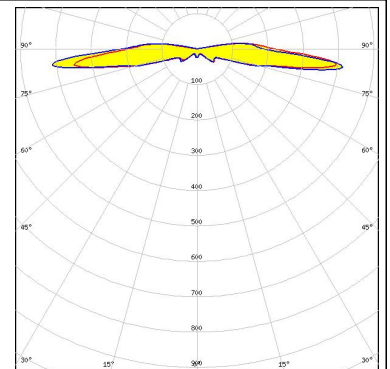
LED XHP70.2
FWHM Asymmetric
Efficiency 84 %
Peak intensity 0.240 cd/lm
Required components:



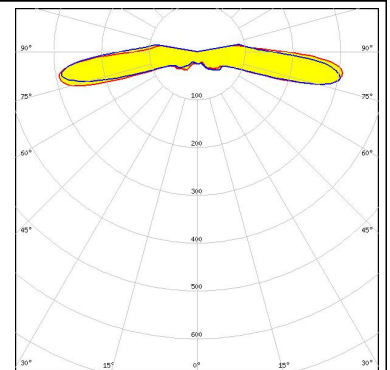
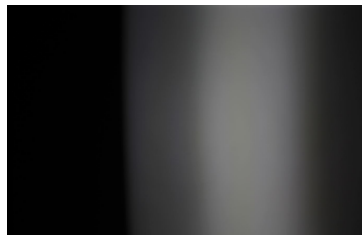
LED XP-G2
FWHM 184.0°
Efficiency 87 %
Peak intensity 0.440 cd/lm
Required components:



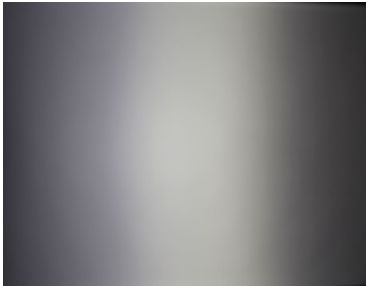
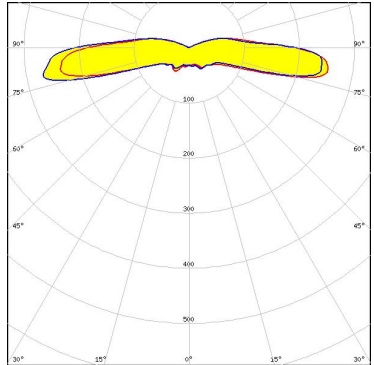
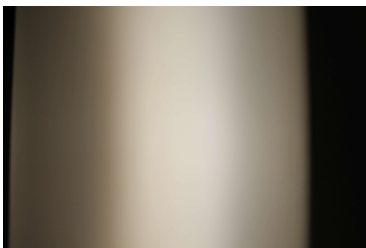
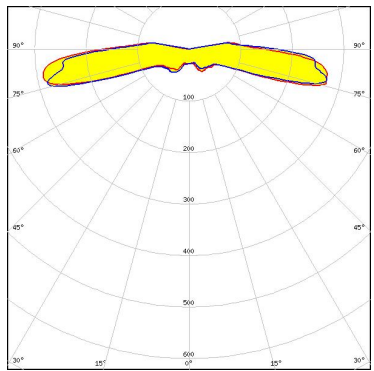

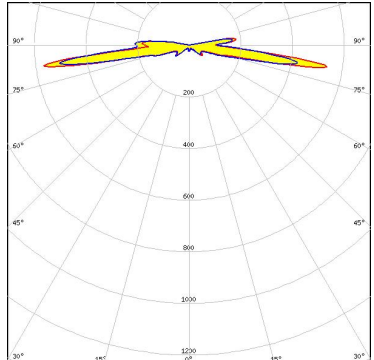

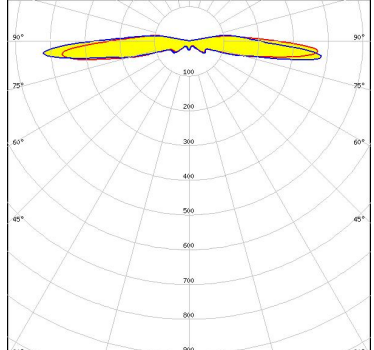
LED XP-L HI
FWHM Asymmetric
Efficiency 87 %
Peak intensity 0.450 cd/lm
Required components:



LED LUXEON 5050
FWHM 180.0°
Efficiency 87 %
Peak intensity 0.310 cd/lm
Required components:



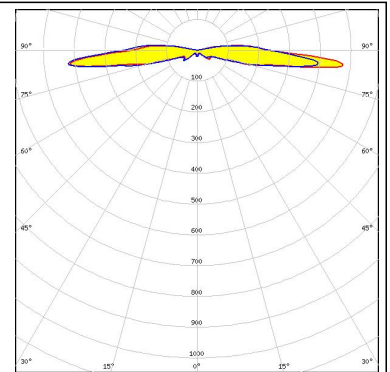
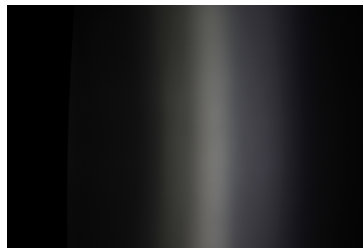
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON M/MX</p> <p>FWHM 189.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.700 cd/lm</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM 182.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.300 cd/lm</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon Black Flat</p> <p>FWHM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.600 cd/lm</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Oslon Square Gen3</p> <p>FWHM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.430 cd/lm</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

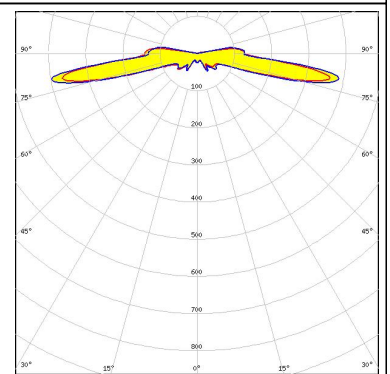
OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 182.0°
Efficiency 89 %
Peak intensity 0.490 cd/lm
Required components:



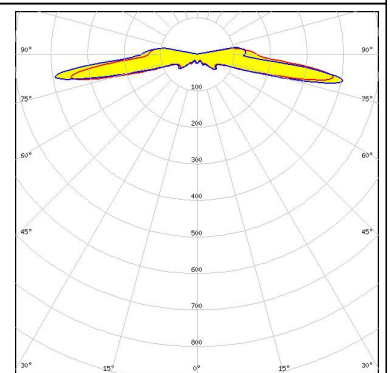
SAMSUNG

LED LH181A
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.450 cd/lm
Required components:



SAMSUNG

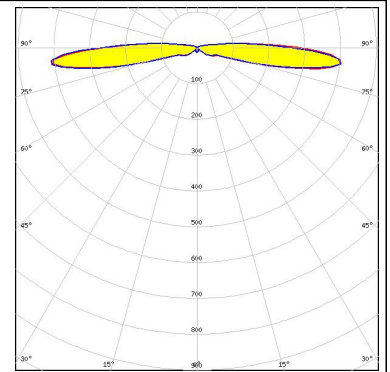
LED LH181B
FWHM 171.0°
Efficiency 88 %
Peak intensity 0.450 cd/lm
Required components:



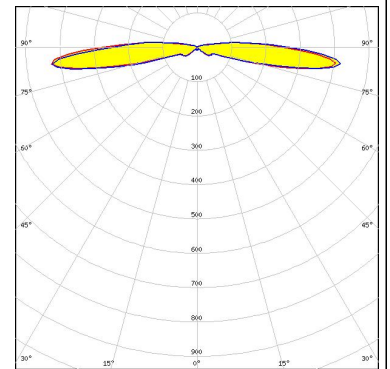
PHOTOMETRIC DATA (SIMULATED):



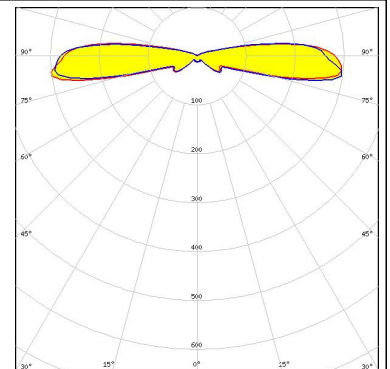
LED LUXEON C Colors
FWHM 183.0°
Efficiency 92 %
Peak intensity 0.450 cd/lm
Required components:



LED Oslon SSL 150 Colors
FWHM 183.0°
Efficiency 94 %
Peak intensity 0.450 cd/lm
Required components:



LED Oslon SSL 80 Colors
FWHM 198.0°
Efficiency 94 %
Peak intensity 0.310 cd/lm
Required components:



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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