

## STRADELLA-16-HB-S-PC

~25° spot beam for industrial applications.  
Variant made from PC.

### SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

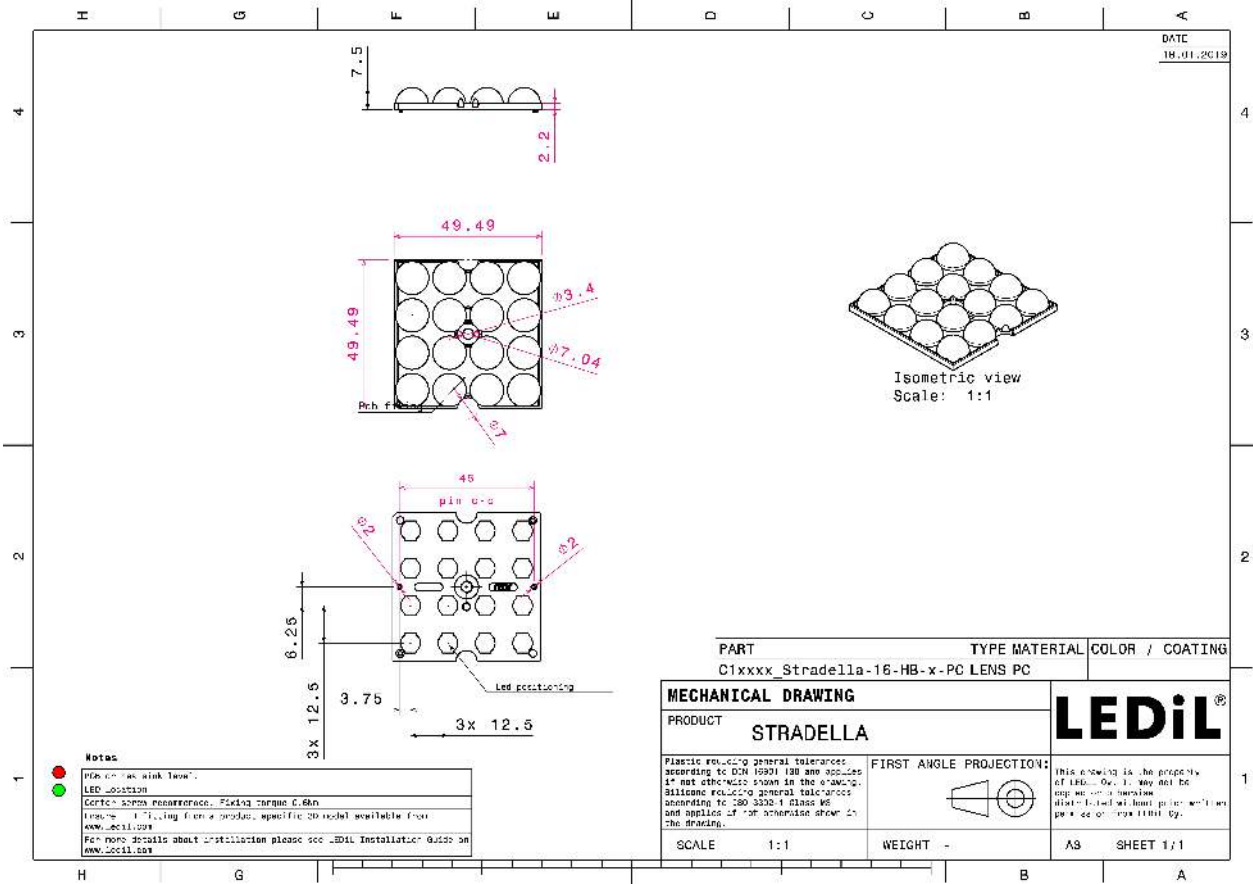


### MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-S-PC	Multi-lens	PC	clear	


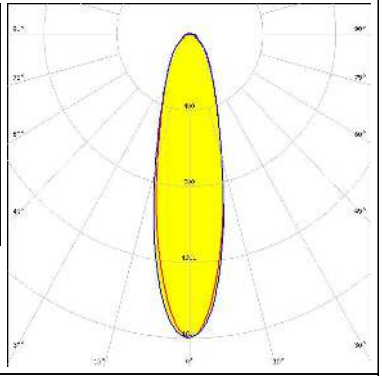
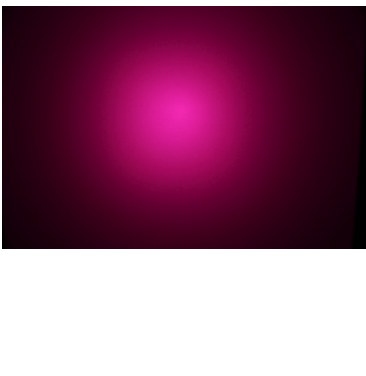
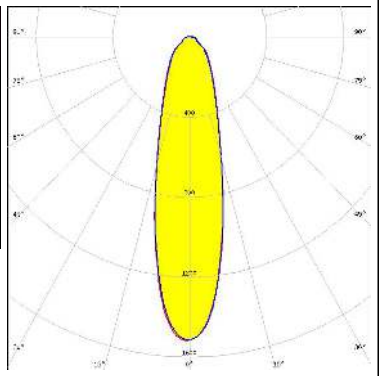

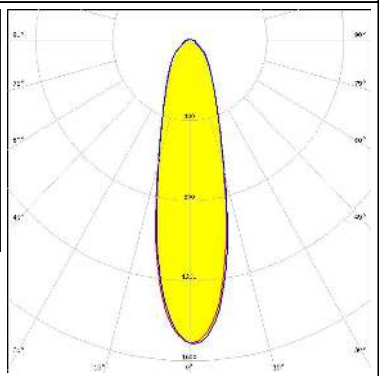

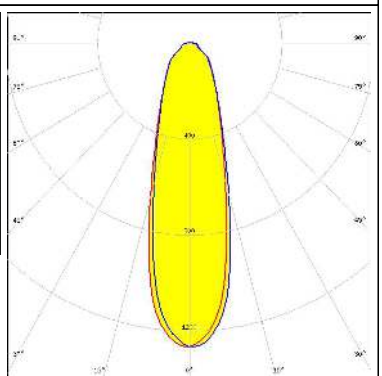
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16599_STRADELLA-16-HB-S-PC » Box size: 480 x 280 x 300 mm	800	160	160	6.5


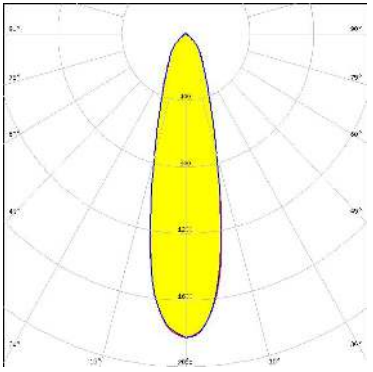

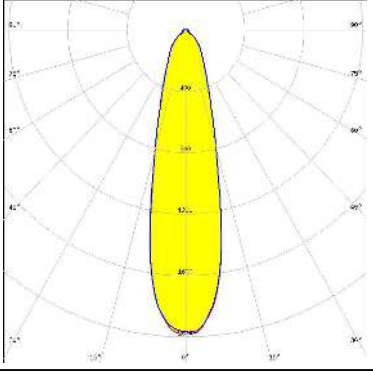

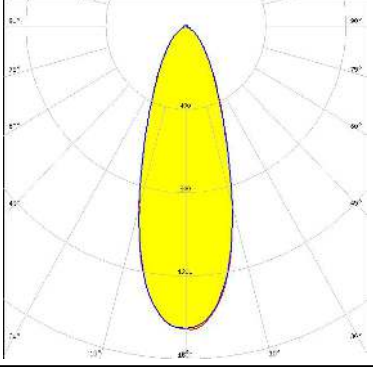

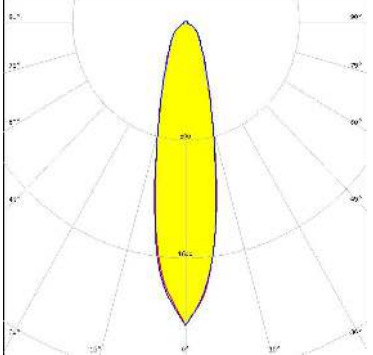


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

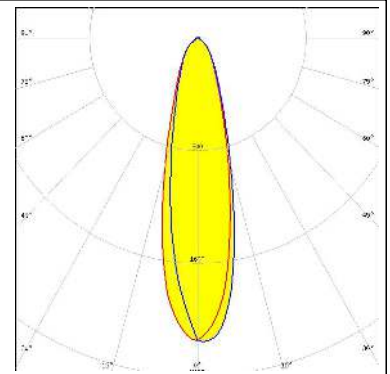
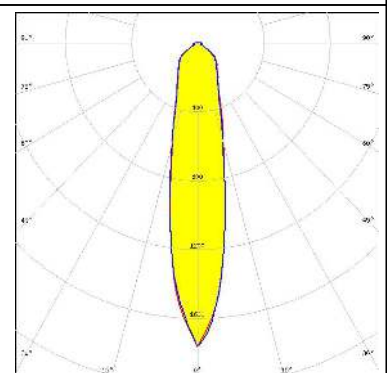
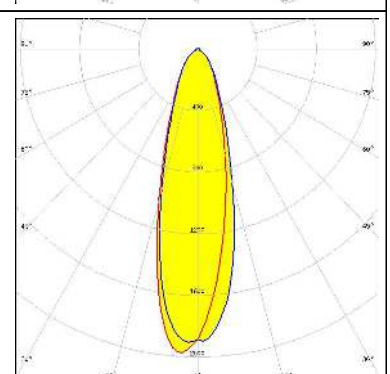
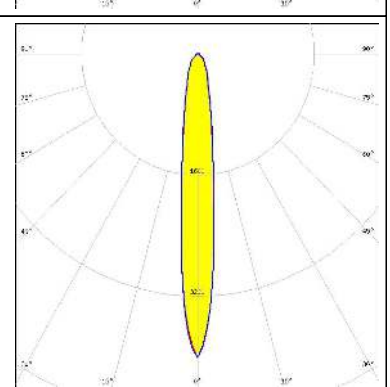
#### OPTICAL RESULTS (MEASURED):

<p><b>ELECTRIO</b> Sensors &amp; Executive Control</p> <p>LED EHP-223.5x50-1604-xx-70-LS30-06-NTC</p> <p>FWHM / FWTM 27.0° / 77.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)</p> <p>FWHM / FWTM 27.0° / 81.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Purple</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ S 3030 (QSLR31)</p> <p>FWHM / FWTM 27.0° / 79.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SCIOLUX</b></p> <p>LED XLE-S44XTEHE (XT-E HE)</p> <p>FWHM / FWTM 30.0° / 90.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		


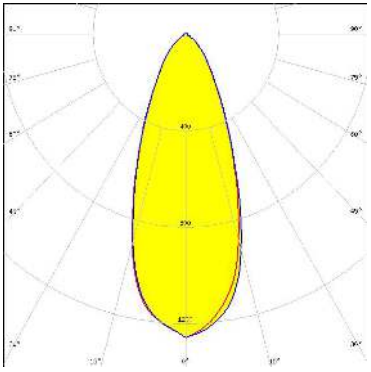

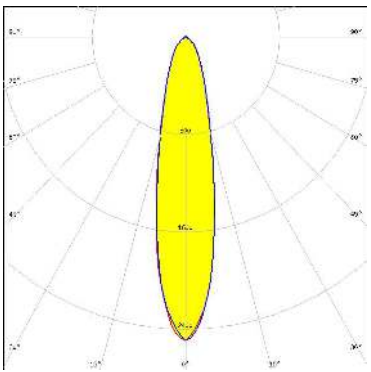

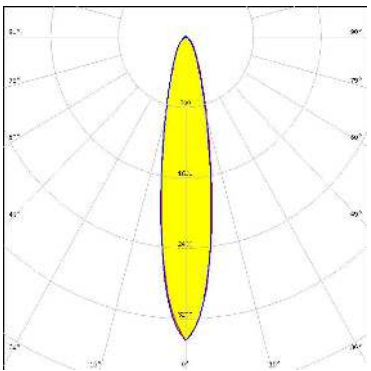

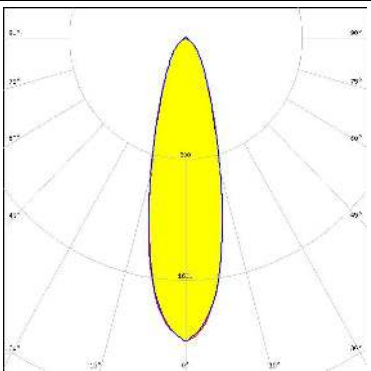
#### OPTICAL RESULTS (SIMULATED):

<p> LED CSP 2727 (BXCP)</p> <p>FWHM / FWTM 26.0° / 68.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p> LED CSP 2727 (BXCP)</p> <p>FWHM / FWTM 26.0° / 68.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED XP-G2 HE</p> <p>FWHM / FWTM 36.0° / 80.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED XT-E</p> <p>FWHM / FWTM 24.0° / 66.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM 26.0° / 65.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON C</p> <p>FWHM / FWTM 22.0° / 81.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 27.0° / 68.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NFSWE11A</p> <p>FWHM / FWTM 12.0° / 42.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

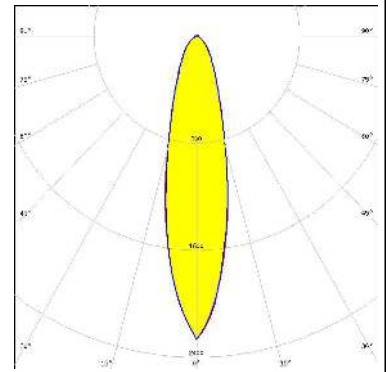
#### OPTICAL RESULTS (SIMULATED):

	<p>LED NVSW519A            FWHM / FWTM 40.0° / 84.0°            Efficiency 84 %            Peak intensity 1.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSCONIQ C 2424            FWHM / FWTM 22.0° / 61.0°            Efficiency 88 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSCONIQ P 3030            FWHM / FWTM 20.0° / 50.0°            Efficiency 92 %            Peak intensity 3.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM 28.0° / 68.0°            Efficiency 88 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

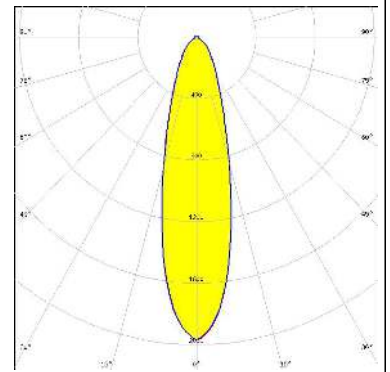
#### SAMSUNG

LED LM301B  
 FWHM / FWTM 24.0° / 64.0°  
 Efficiency 86 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



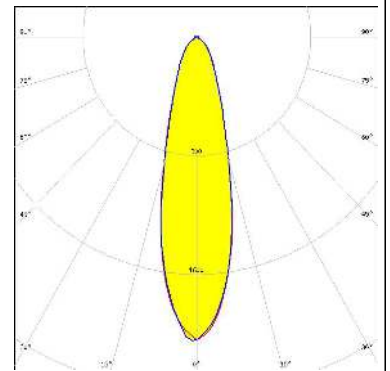
#### SAMSUNG

LED LM302D  
 FWHM / FWTM 27.0° / 68.0°  
 Efficiency 87 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



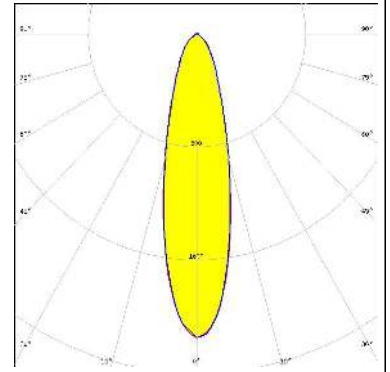
#### SAMSUNG

LED LM302Z plus  
 FWHM / FWTM 28.0° / 66.0°  
 Efficiency 86 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C  
 FWHM / FWTM 26.0° / 66.0°  
 Efficiency 88 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 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:

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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