

## STRADELLA-HB-M

~60° medium beam for industrial applications

### TECHNICAL SPECIFICATIONS:

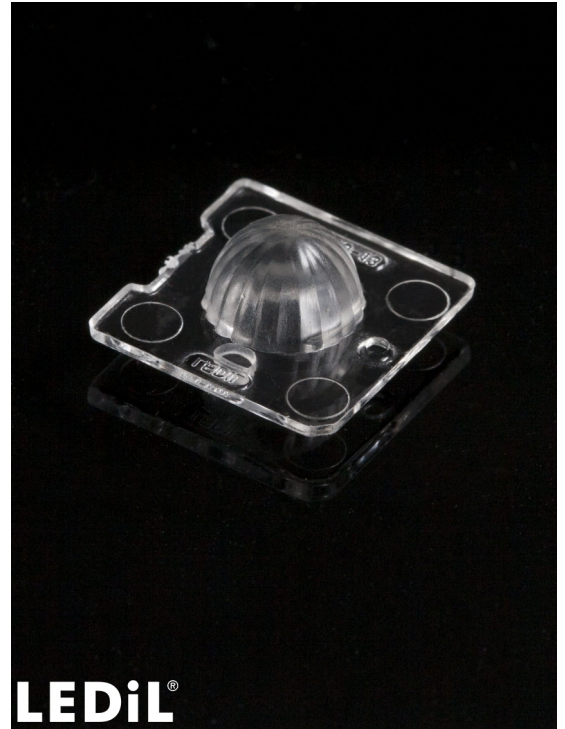
Dimensions	13.9 x 13.9 mm
Height	5.7 mm
Fastening	pin
ROHS compliant	yes ⓘ

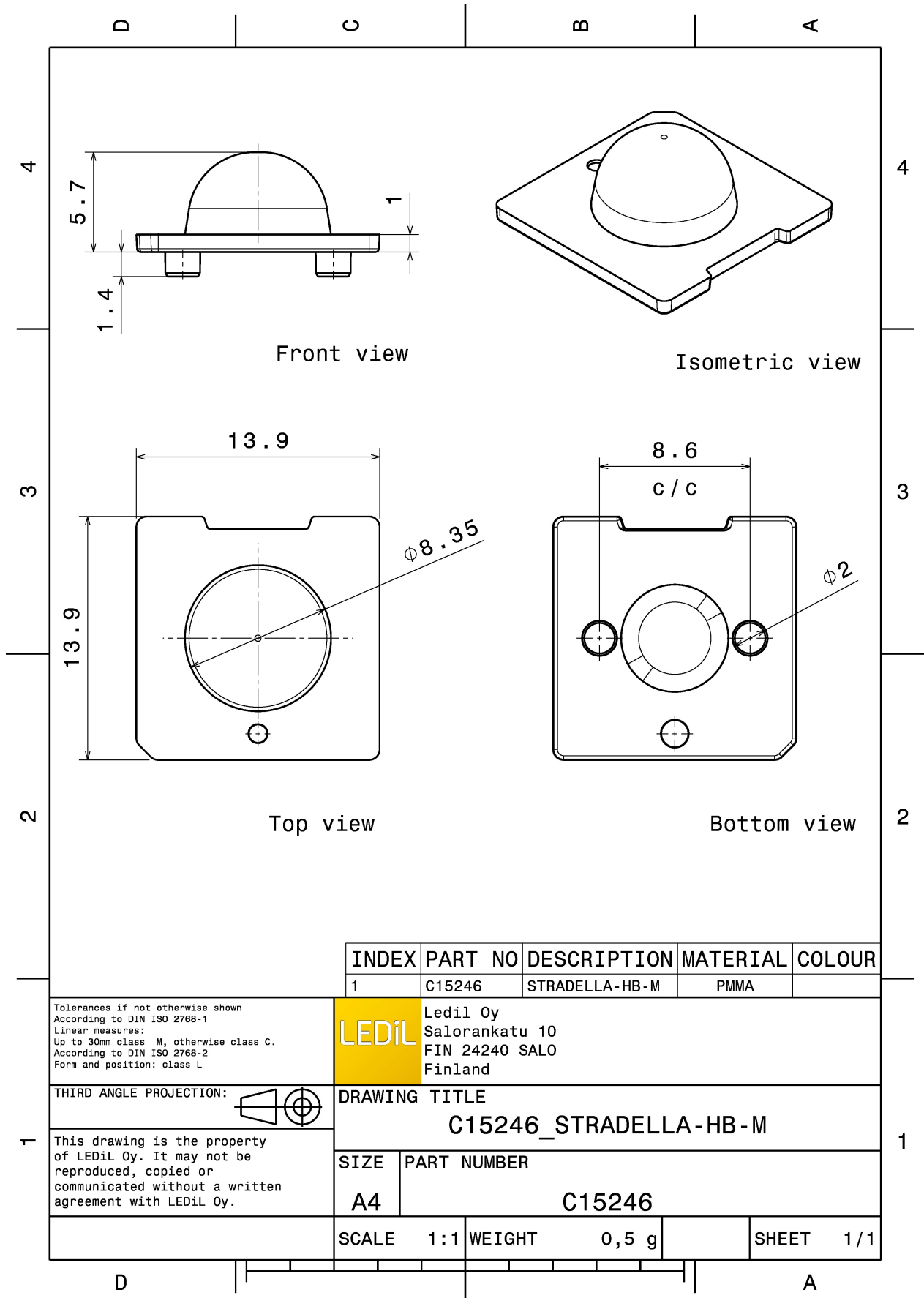
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADELLA-HB-M	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15246_STRADELLA-HB-M » Box size: 480 x 250 x 390 mm	24000	1000	1000	9.9





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15246	STRADELLA-HB-M	PMMA	

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**C15246\_STRADELLA-HB-M**

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SIZE	PART NUMBER
A4	C15246

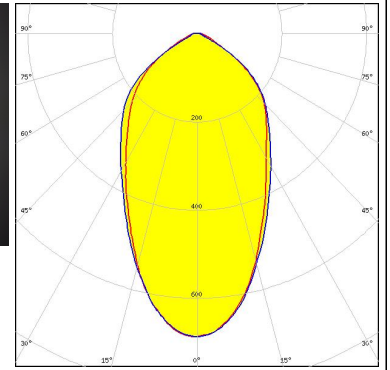
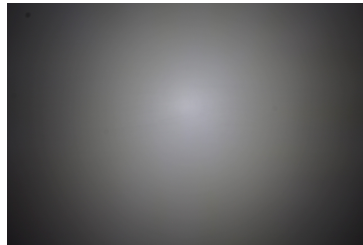
SCALE	1:1	WEIGHT	0,5 g	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

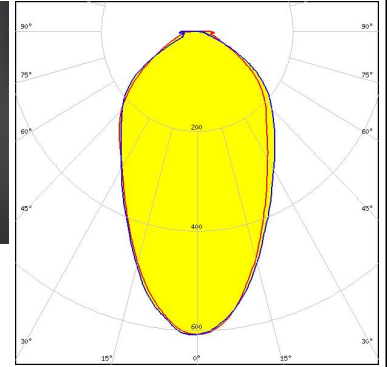
#### PHOTOMETRIC DATA (MEASURED):



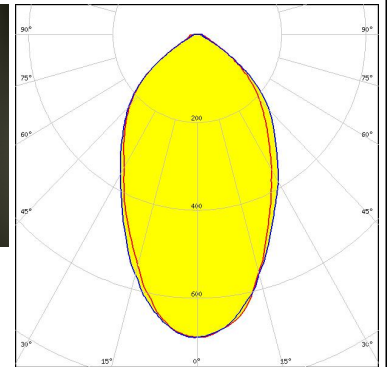
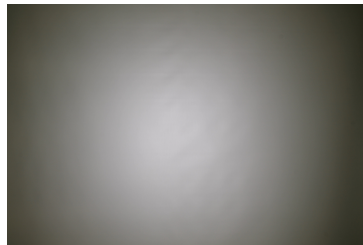
LED J Series 3030  
 FWHM / FWTM 60.0° / 124.0°  
 Efficiency 98 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



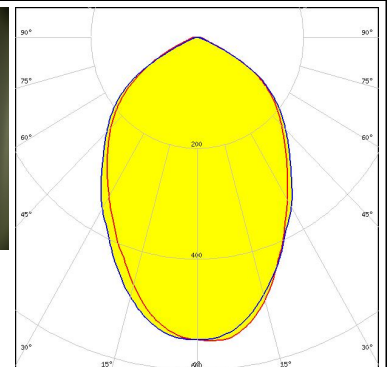
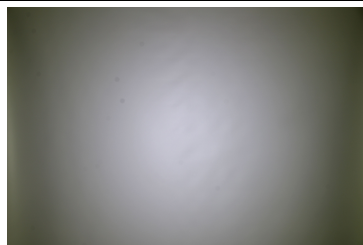
LED XT-E  
 FWHM / FWTM 62.0° / 133.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSW219D  
 FWHM / FWTM 61.0° / 120.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



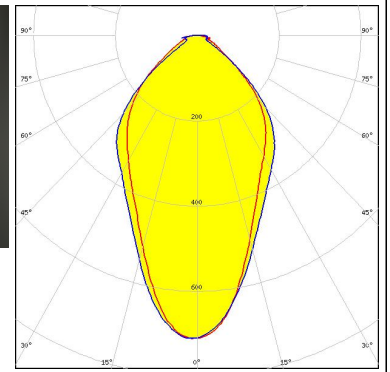
LED NVSW319B  
 FWHM / FWTM 78.0° / 132.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

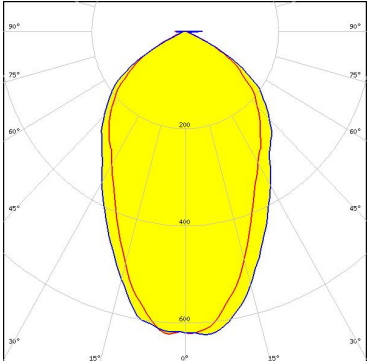
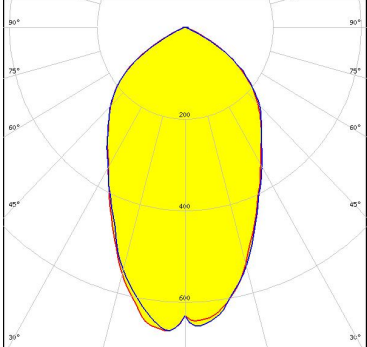
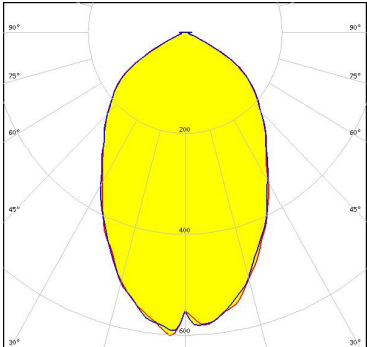
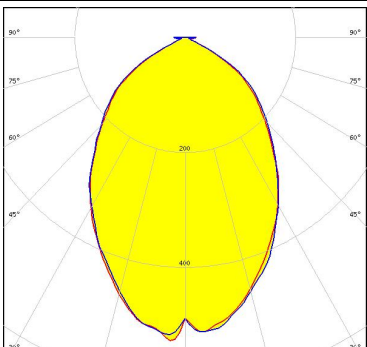
LED LH181B  
FWHM / FWTM 58.0° / 117.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



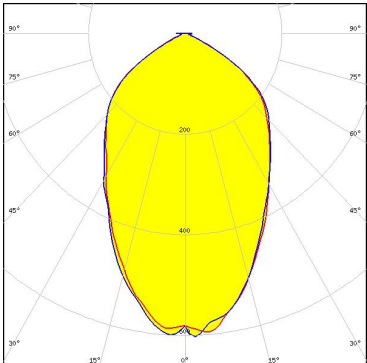
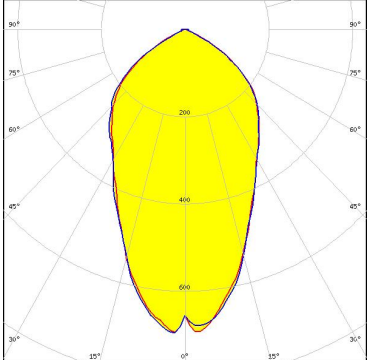
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XP-G2 HE            FWHM / FWTM: 70.0° / 130.0°            Efficiency: 95 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> LED</p> <p>LED: XP-G3            FWHM / FWTM: 73.0° / 134.0°            Efficiency: 94 %            Peak intensity: 0.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR Domed 150            FWHM / FWTM: 73.0° / 180.0°            Efficiency: 96 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: IR            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR Domed 90            FWHM / FWTM: 47.0° / 102.0°            Efficiency: 94 %            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NF2W585AR-P8</p> <p>FWHM / FWTM 60.0 + 70.0° / 128.0 + 127.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 0.6 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 NFSx757G</p> <p>FWHM / FWTM 64.0° / 125.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 0.7 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 NVSW219F</p> <p>FWHM / FWTM 70.0° / 128.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 0.6 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 NVSW519A</p> <p>FWHM / FWTM 78.0° / 127.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

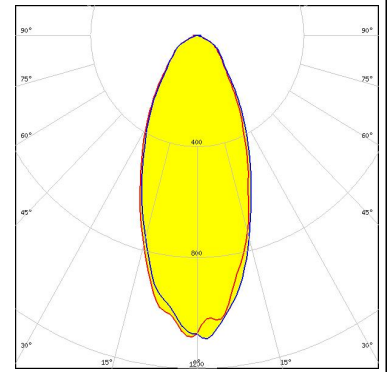
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 68.0° / 126.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM 60.0° / 125.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.7 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 OSCONIQ P 3030</p> <p>FWHM / FWTM 50.0° / 121.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.9 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 OSCONIQ P 3737 (2W version)</p> <p>FWHM / FWTM 59.0° / 124.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

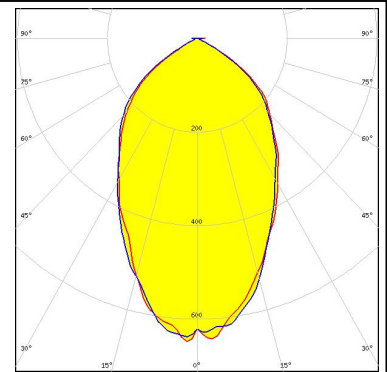
Opto Semiconductors

LED OSLOM SSL 80  
 FWHM / FWTM 44.0° / 104.0°  
 Efficiency 96 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



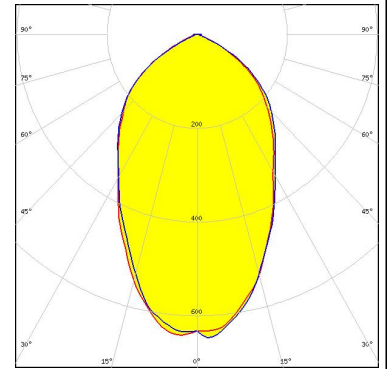
#### SAMSUNG

LED LH351B  
 FWHM / FWTM 63.0° / 120.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



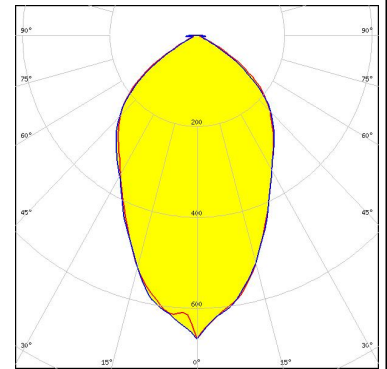
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2  
 FWHM / FWTM 64.0° / 127.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T  
 FWHM / FWTM 62.0° / 121.0°  
 Efficiency 94 %  
 Peak intensity 0.7 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:

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