

MELODY-3-M

~35° medium beam with 3 optics

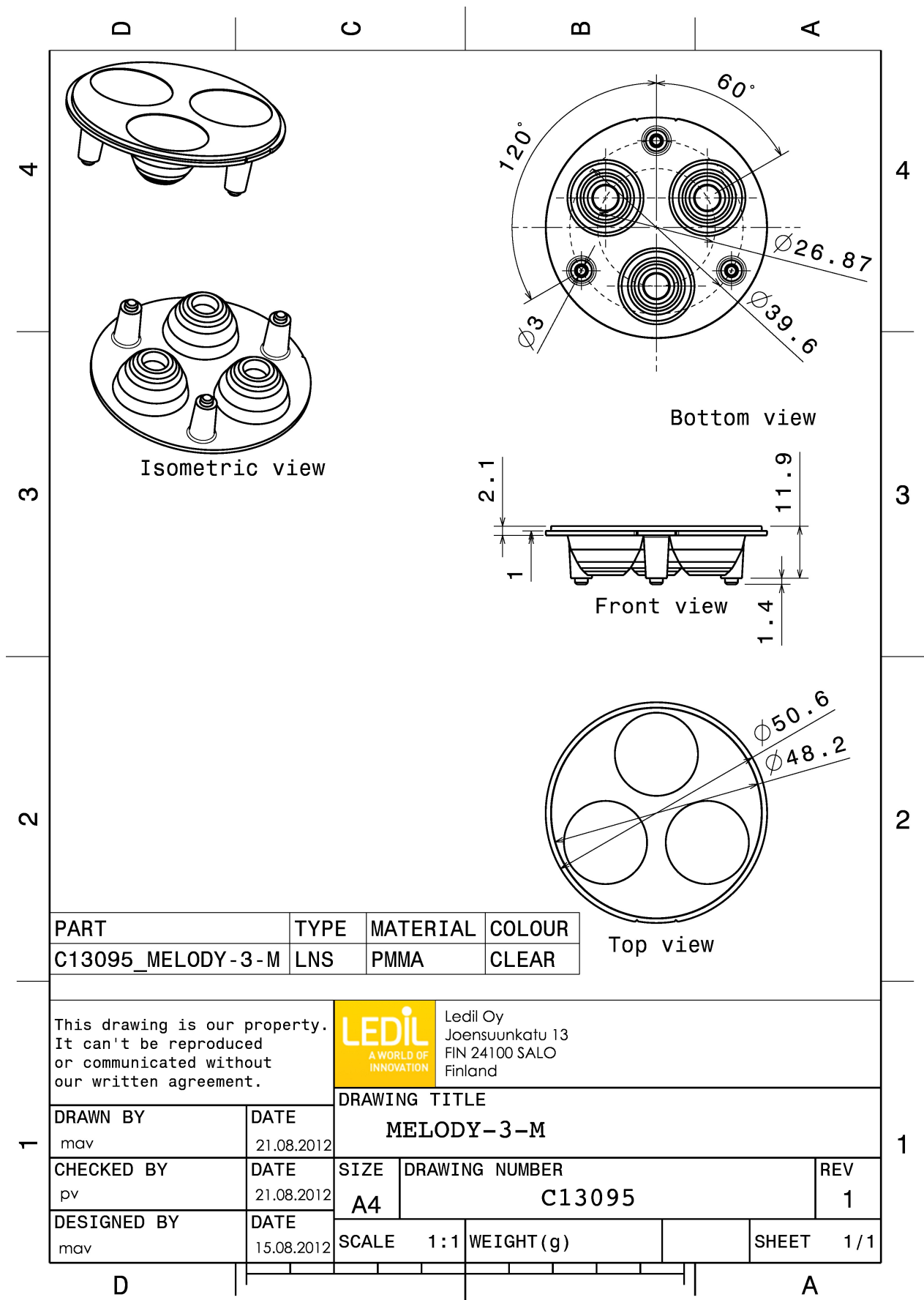
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|--------------------|
| Dimensions | Ø 50.6 mm |
| Height | 11.9 mm |
| Fastening | glue, pin |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 5.7 kg |
| Quantity in Box | 364 pcs |
| ROHS compliant | yes ⓘ |



MATERIAL SPECIFICATIONS:

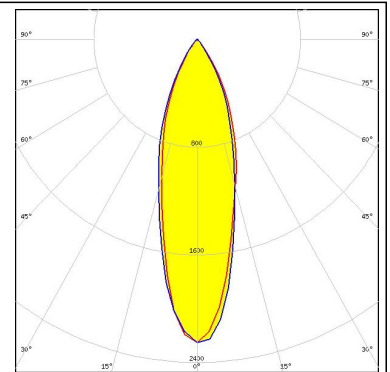
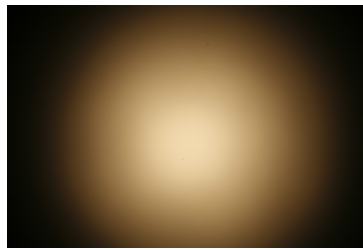
| Component | Type | Material | Colour |
|------------|------------|----------|--------|
| MELODY-3-M | Lens array | PMMA | clear |



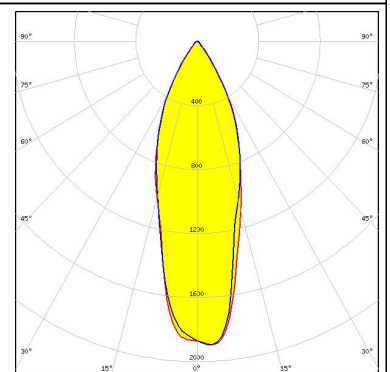
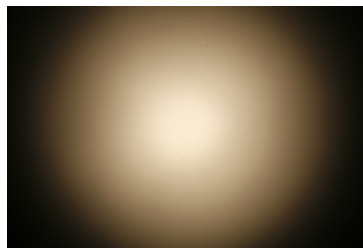
PHOTOMETRIC DATA (MEASURED):



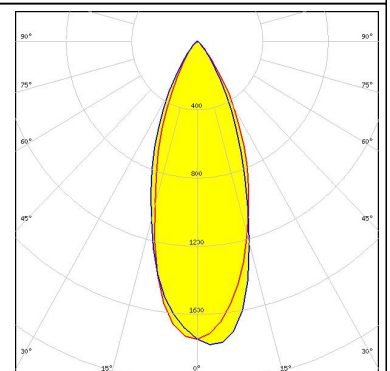
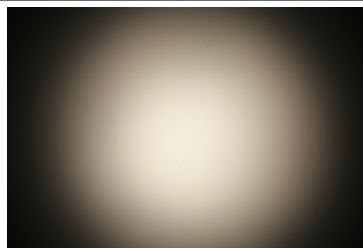
LED XP-E
 FWHM 31.0°
 Efficiency 93 %
 Peak intensity 2.260 cd/lm
 Required components:



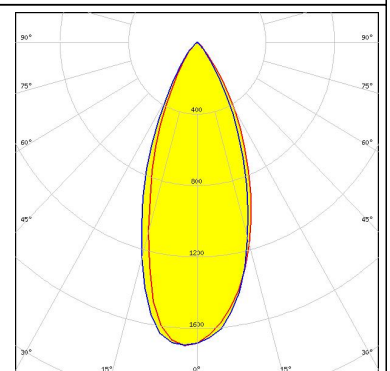
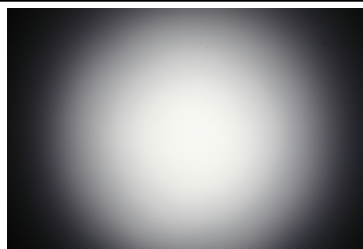
LED XP-E2
 FWHM 34.0°
 Efficiency 92 %
 Peak intensity 1.900 cd/lm
 Required components:



LED XP-G
 FWHM 38.0°
 Efficiency 92 %
 Peak intensity 1.780 cd/lm
 Required components:



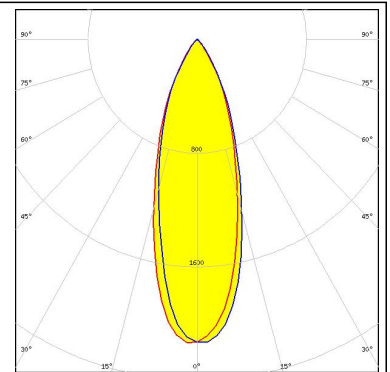
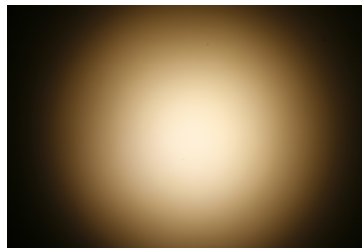
LED XP-G2
 FWHM 41.0°
 Efficiency 93 %
 Peak intensity 1.700 cd/lm
 Required components:



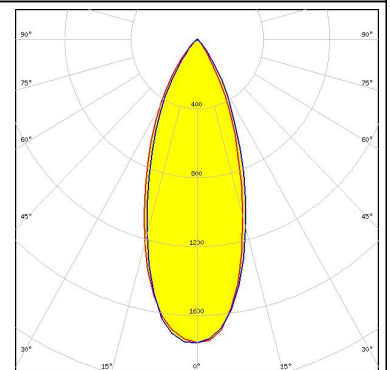
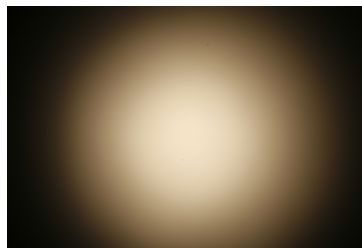
PHOTOMETRIC DATA (MEASURED):



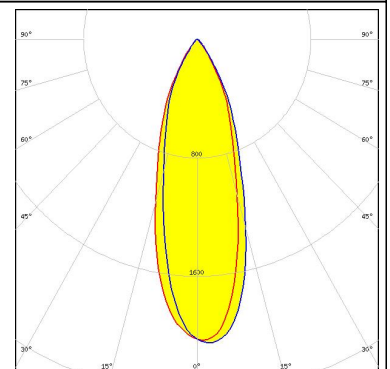
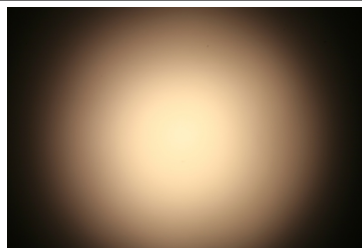
LED XT-E
 FWHM 33.0°
 Efficiency 92 %
 Peak intensity 2.140 cd/lm
 Required components:



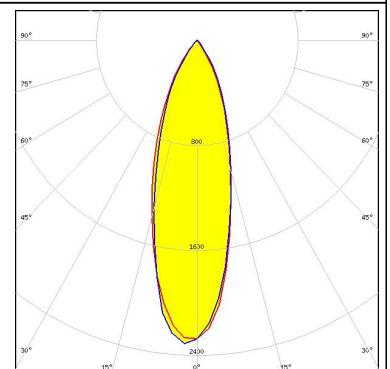
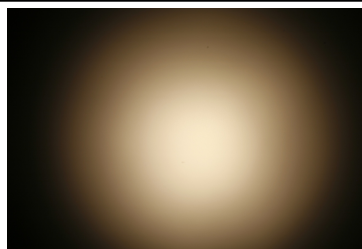
LED LUXEON A
 FWHM 39.0°
 Efficiency 93 %
 Peak intensity 1.750 cd/lm
 Required components:




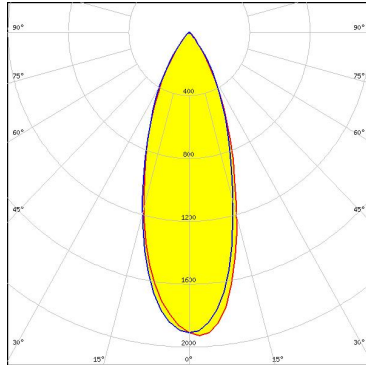
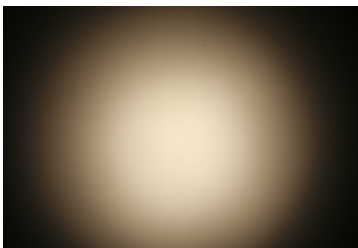
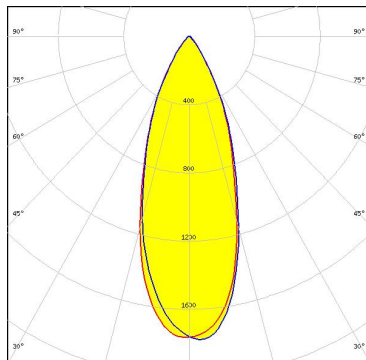

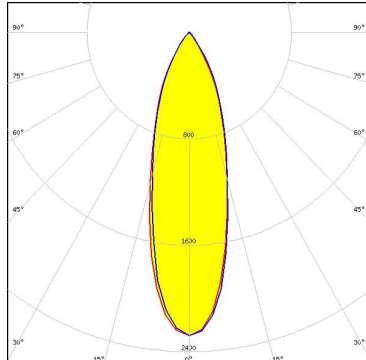
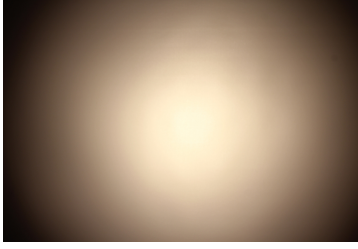

LED LUXEON R
 FWHM 33.0°
 Efficiency 92 %
 Peak intensity 2.000 cd/lm
 Required components:



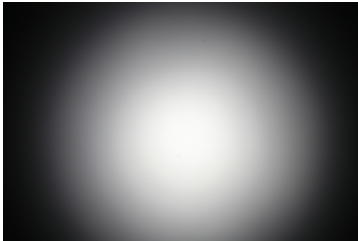
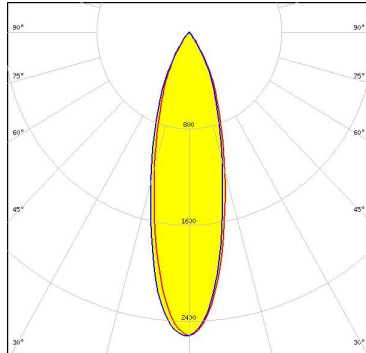
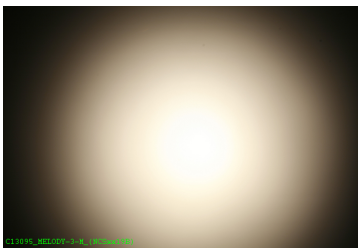
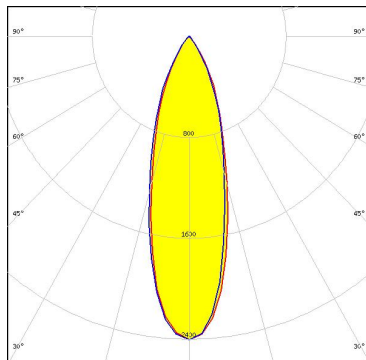

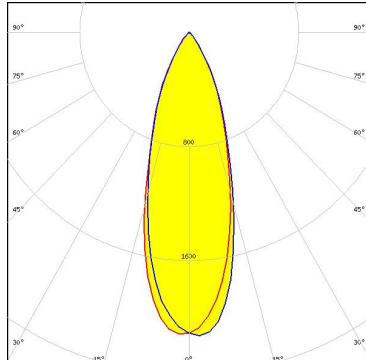
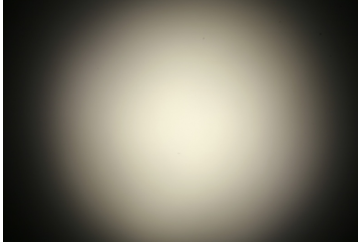
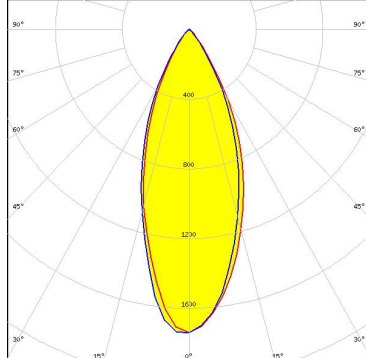
LED LUXEON Rebel
 FWHM 31.0°
 Efficiency 93 %
 Peak intensity 2.300 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>LUMILEDS</p> <p>LED LUXEON Rebel ES</p> <p>FWHM 37.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.930 cd/lm</p> <p>Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON T</p> <p>FWHM 37.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.700 cd/lm</p> <p>Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM 31.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.300 cd/lm</p> <p>Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM 25.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.100 cd/lm</p> <p>Required components:</p> |  |  |

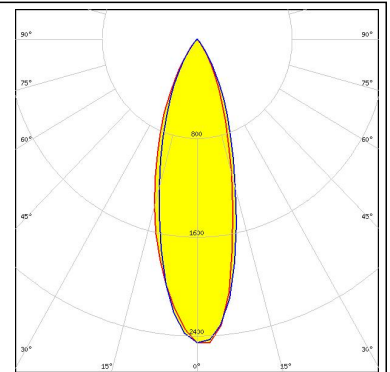
PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>NICHIA</p> <p>LED NCSxx19A FWHM 29.5° Efficiency 92 % Peak intensity 2.520 cd/lm Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NCSxx19B FWHM 31.0° Efficiency 91 % Peak intensity 2.400 cd/lm Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 34.0° Efficiency 92 % Peak intensity 2.140 cd/lm Required components:</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Oslon Square EC FWHM 40.0° Efficiency 92 % Peak intensity 1.740 cd/lm Required components:</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

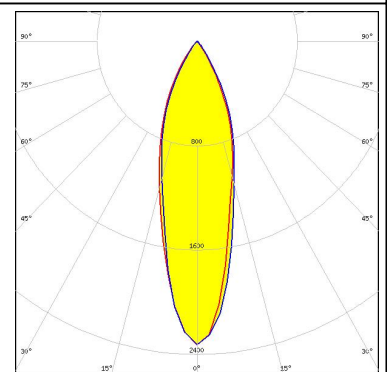
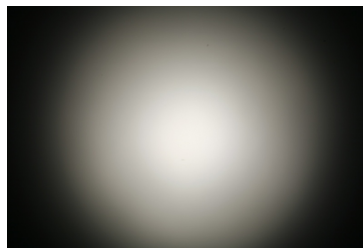
OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 31.0°
Efficiency 93 %
Peak intensity 2.470 cd/lm
Required components:



OSRAM
Opto Semiconductors

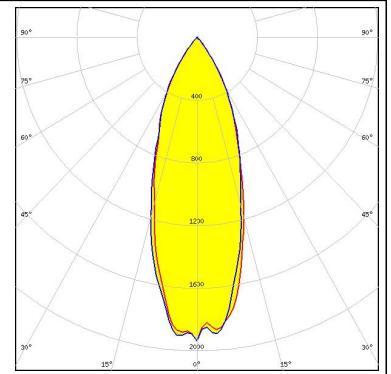
LED Oslon SSL 80
FWHM 29.0°
Efficiency 92 %
Peak intensity 2.330 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED LUXEON H50-2
FWHM 36.0°
Efficiency 92 %
Peak intensity 2.000 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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