# BOOM-S

**~20° spot beam. Assembly with 0.2 mm thick installation tape.**

## SPECIFICATION:

| | |
|---|---|
| Dimensions | Ø 22.2 |
| Height | 14.3 mm |
| Fastening | glue, tape |
| ROHS compliant | yes |

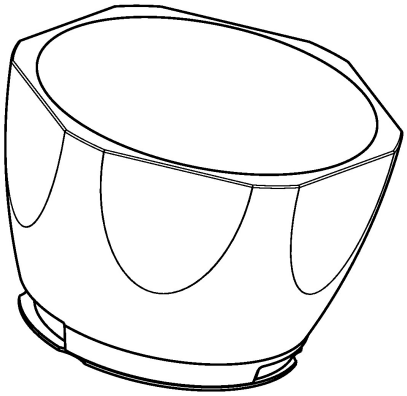
## MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|---|---|---|---|---|---|
| BOOM-S | Reflector | PC | metal | | |
| BOOM-TAPE | Tape | PET tape | clear | | |

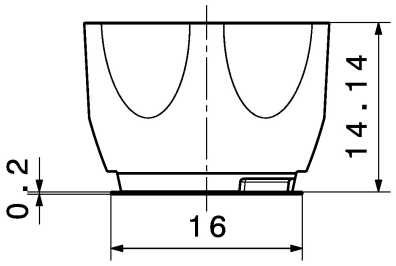
## ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| CA10715_BOOM-S | Reflector | 1680 | 336 | 112 | 3.7 |
| » Box size: 476 x 273 x 292 mm | | | | | |

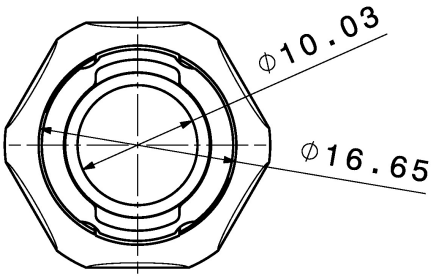
| DATE |
| --- |
| 29.11.2018 |



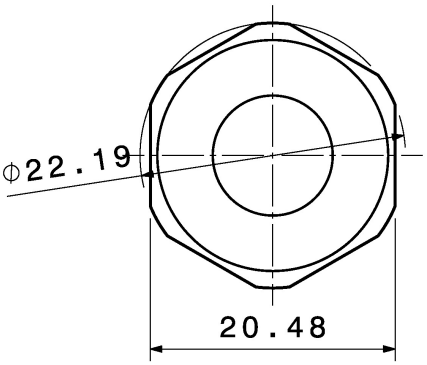
Isometric view
Scale: 3:1




Front view




Bottom view




Top view

| PART | TYPE | MATERIAL | COLOR / COATING |
| --- | --- | --- | --- |
| 10715, 10930, 10931 | | | metal |

**MECHANICAL DRAWING**

PRODUCT BOOMERANG

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:



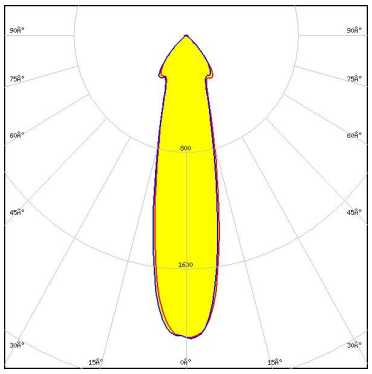
SCALE 2:1 | WEIGHT - | A4 SHEET 1/1

See also our general installation guide: www.ledil.com/installation_guide

## OPTICAL RESULTS (MEASURED):

CREE LEDs

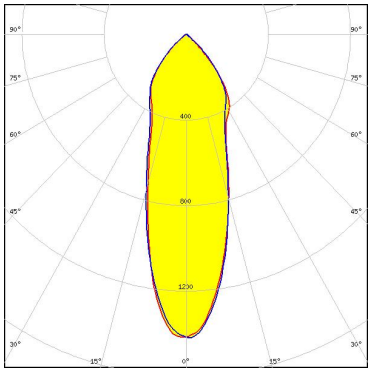
| | |
|---|---|
| LED | MHB-A/B |
| FWHM / FWTM | 23.0° / 86.0° |
| Efficiency | 87 % |
| Peak intensity | 2.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

CREE LEDs

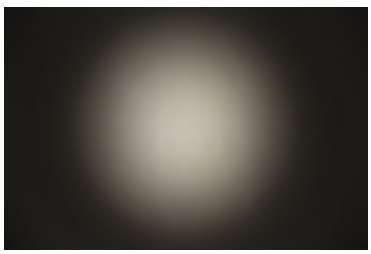
| | |
|---|---|
| LED | MHD-E/G |
| FWHM / FWTM | 32.0° / 90.0° |
| Efficiency | 87 % |
| Peak intensity | 1.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

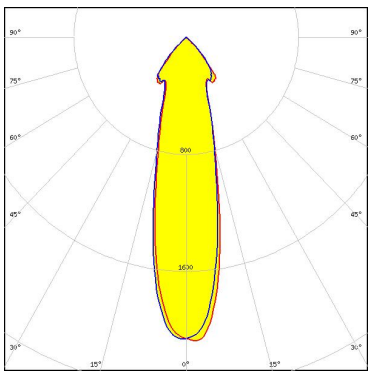


Light distribution files

NICHIA

| | |
|---|---|
| LED | NFMW48xA |
| FWHM / FWTM | 25.0° / 84.0° |
| Efficiency | 86 % |
| Peak intensity | 2.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files

## OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Duris S10 |
| FWHM / FWTM | 35.0° / 87.0° |
| Efficiency | 82 % |
| Peak intensity | 1.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

SEOUL SEMICONDUCTOR

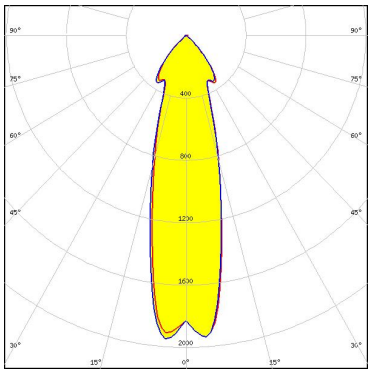
| | |
|---|---|
| LED | P7 |
| FWHM / FWTM | 17.0° / 48.0° |
| Efficiency | % |
| Peak intensity | 3.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

## OPTICAL RESULTS (SIMULATED):

CREE LEDs

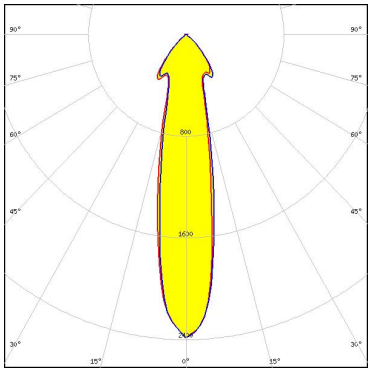
| | |
|---|---|
| LED | J Series 5050 Round LES |
| FWHM / FWTM | 28.0° / 84.0° |
| Efficiency | 88 % |
| Peak intensity | 2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

CREE LEDs

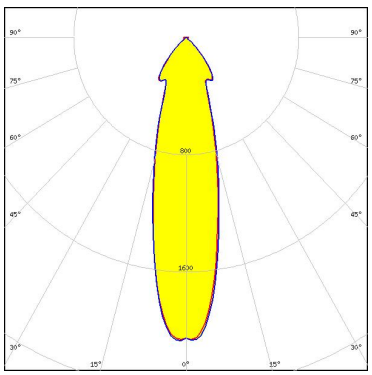
| | |
|---|---|
| LED | MC-E |
| FWHM / FWTM | 21.0° / 83.0° |
| Efficiency | 90 % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 Round LES |
| FWHM / FWTM | 26.0° / 82.0° |
| Efficiency | 86 % |
| Peak intensity | 2.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

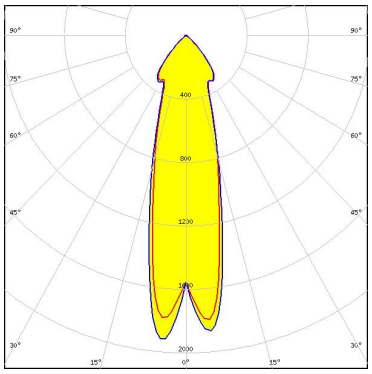


Light distribution files

## OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

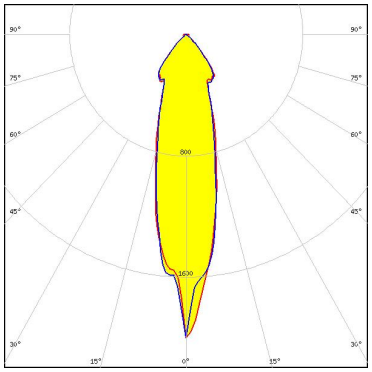
| | |
|---|---|
| LED | Duris S8 |
| FWHM / FWTM | 26.2° / 84.6° |
| Efficiency | 87 % |
| Peak intensity | 1.9 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 7070 |
| FWHM / FWTM | 25.0° / 85.0° |
| Efficiency | 86 % |
| Peak intensity | 2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

## 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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