

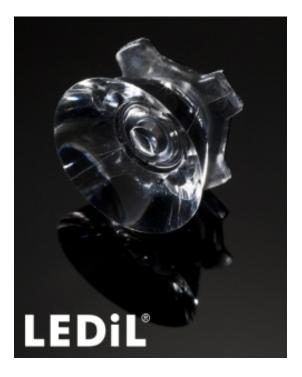
HEIDI-RS

~8° spot beam

TECHNICAL SPECIFICATIONS:

| Dimensions | Ø 21.6 mm |
|----------------|-----------|
| Height | 11.7 mm |
| Fastening | tape, pin |
| ROHS compliant | yes 🛈 |

PRODUCT DATASHEET CA11663_HEIDI-RS



MATERIAL SPECIFICATIONS:

Component HEIDI-RS HEIDI-TAPE **Type** Single lens Tape

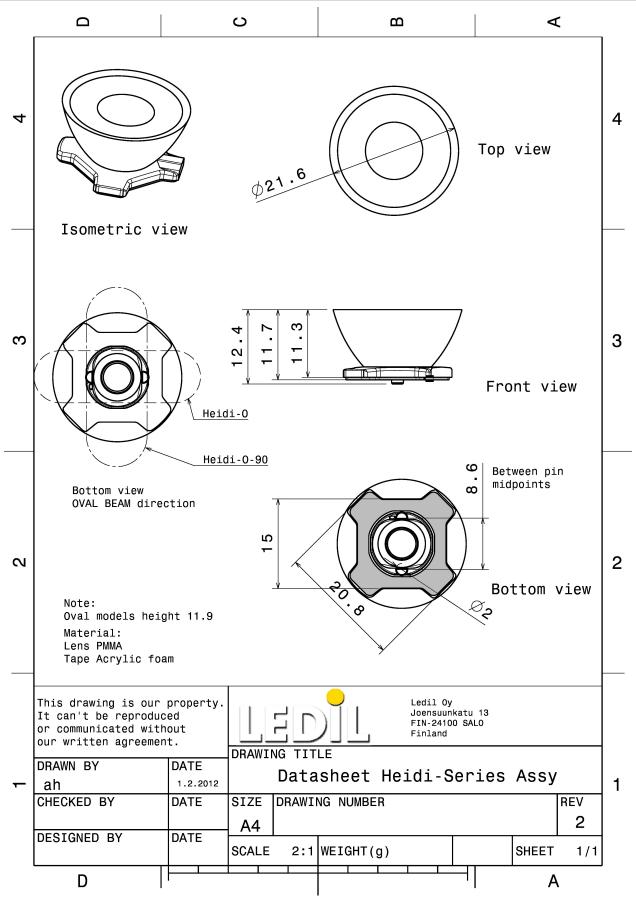
| Material | Colour | Finish |
|--------------|--------|--------|
| PMMA | clear | |
| Acrylic foam | black | |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11663_HEIDI-RS | Single lens | 3264 | 204 | 204 | 10.4 |
| » Box size: 480 x 280 x 300 mm | | | | | |



PRODUCT DATASHEET CA11663_HEIDI-RS



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



| LED | XB-D White | | |
|----------------------------------|--------------------|--|---|
| FWHM / FWTM | 8.0° | | |
| Efficiency | 91 % | | |
| Peak intensity | 19.7 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | ents: | | |
| | | | |
| | 5 | | |
| | | | |
| | XB-H | | |
| FWHM / FWTM | 10.0° / 19.0° | | |
| Efficiency Book intonsity | 90 % 18.3 cd/lm | | |
| Peak intensity | | | |
| LEDs/each optic | 1 White | | |
| Light colour Required compone | | | |
| Required compone | ents: | | |
| | | | |
| | | | |
| | D | | 90* |
| LED | XP-E | | 75 |
| FWHM / FWTM | 8.0° / 18.0° | | |
| Efficiency | 93 % | | 60° |
| Peak intensity | 26.8 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | a. |
| Required compone | ents: | | 1000 |
| | | | |
| | | | |
| | | | -30° - 35° - 3 |
| | ס | | 90* A |
| LED | XP-E2 | | |
| FWHM / FWTM | 8.0° / 14.0° | | 73. |
| Efficiency | 90 % | | |
| Peak intensity | 38 cd/lm | | $\square \land / / / \square \land \land \land ?$ |
| LEDs/each optic | 1 | | $\blacksquare \times / / \blacksquare \land \land \times$ |
| Light colour | White | | g |
| Required compone | | | |
| | | | |
| | | | |
| | | | |
| | | | 300 |



| | | | |
|------------------|---------------|--|---------------------------------|
| | 2 | | |
| LED | XP-G | | |
| FWHM / FWTM | 9.0° / 20.0° | | |
| Efficiency | 93 % | | |
| Peak intensity | 16.6 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | |
| Required compone | | | |
| | | | |
| | | | |
| | | | |
| | 2 | | 50° 50° |
| | | | 90° |
| LED | XP-G2 | | 75 |
| FWHM / FWTM | 11.0° / 20.0° | | |
| Efficiency | 91 % | | 6400 64 ⁰ |
| Peak intensity | 19.1 cd/lm | | |
| LEDs/each optic | 1 | | |
| Light colour | White | | 47 ⁻ 42 ⁻ |
| Required compone | ents: | | |
| | | | |
| | | | |
| | | | 30° 1006 30° 30° |
| | D | | 50* 50° |
| LED | XQ-E HD | | |
| FWHM / FWTM | 6.0° / 12.0° | | |
| Efficiency | 94 % | | |
| Peak intensity | 42.1 cd/lm | | 60* 60* |
| LEDs/each optic | 1 | | |
| Light colour | White | | 45° 45° |
| Required compone | ents: | | |
| | | | |
| | | | |
| | | | |
| | | | 125 00 320 |
| | 2 | | 90* |
| LED | XQ-E HI | | |
| FWHM / FWTM | 5.0° / 11.0° | | 73* |
| Efficiency | 94 % | | |
| Peak intensity | 55.2 cd/lm | | |
| LEDs/each optic | 1 | | X / T + X |
| Light colour | White | | 43. AS |
| Required compone | | | |
| | | | |
| | | | |
| | | | |
| | | | an |



| | | 50* |
|--|--|---|
| LED | – XT-E | |
| FWHM / FWTM | 10.0° / 21.0° | 27 |
| Efficiency | 97 % | |
| Peak intensity | 17.2 cd/lm | 50* 600 |
| LEDs/each optic | 1 | |
| Light colour | White | 5° / / / / |
| Required compone | | |
| | | |
| | | |
| | | 30 |
| | | 35 |
| UMIL | EDS | so* |
| LED | LUXEON C | 75 |
| FWHM / FWTM | 7.0° / 14.0° | |
| Efficiency | 92 % | 90 |
| Peak intensity | 35.6 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | 2000 |
| | | |
| | | |
| | | 30° |
| | | |
| LUMIL | EDS | 80* |
| | | 90° |
| LED | LUXEON T | 90° |
| LED FWHM / FWTM | | 9 ¹ |
| LED FWHM / FWTM Efficiency | LUXEON T 11.0° / 20.0° 92 % | 50° 75 60° |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON T 11.0° / 20.0° | 59°* |
| LED FWHM / FWTM Efficiency | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm | 5° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White | 94 94 69 60 60 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White | 91 ⁴ 37 91 91 91 90 90 90 90 90 90 90 90 90 90 90 90 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White | 91 37 91 91 91 91 91 90 90 90 90 90 90 90 90 90 90 90 90 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White hts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White hts: EDS LUXEON TX | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White hts: EDS LUXEON TX 10.0° / 20.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % 19.5 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % 19.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % 19.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % 19.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % 19.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON T 11.0° / 20.0° 92 % 16.3 cd/lm 1 White nts: EDS LUXEON TX 10.0° / 20.0° 90 % 19.5 cd/lm 1 White | |



ΜΝΙCΗΙΛ

| LED | NCSxx19A | | | |
|----------------------|--------------|--|--|--|
| FWHM / FWTM | 8.0° / 18.0° | | | |
| Efficiency | 89 % | | | |
| Peak intensity | 19 cd/lm | | | |
| LEDs/each optic | 1 | | | |
| Light colour | White | | | |
| Required components: | | | | |

ØNICHIΛ

| LED | NCSxx19B | | | |
|----------------------|--------------|--|--|--|
| FWHM / FWTM | 9.0° / 18.0° | | | |
| Efficiency | 90 % | | | |
| Peak intensity | 25.2 cd/lm | | | |
| LEDs/each optic | 1 | | | |
| Light colour | White | | | |
| Required components: | | | | |



ΜΝΙCΗΙΛ

 LED
 NVSxx19A

 FWHM / FWTM
 10.0° / 23.0°

 Efficiency
 89 %

 Peak intensity
 13.9 cd/lm

 LEDs/each optic
 1

 Light colour
 White

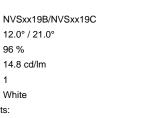
 Required components:
 1

| ØNICHI/ | ١ | 50° 50° |
|------------------|-------------------|-----------------------|
| LED | NVSxx19B/NVSxx19C | 75* |
| FWHM / FWTM | 12.0° / 26.0° | |
| Efficiency | 92 % | 60* |
| Peak intensity | 13.9 cd/lm | |
| LEDs/each optic | 1 | \times / \wedge |
| Light colour | White | 45* |
| Required compone | ents: | 800 |
| | | \times / \times / |
| | | |
| | | 300 300 |

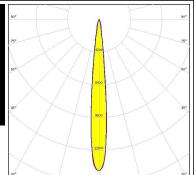


| A | | - | | |
|---|---|----|---|--|
| X | N | 10 | н | |
| N | | | | |

LEDNVSx:FWHM / FWTM12.0°Efficiency96 %Peak intensity14.8 cLEDs/each optic1Light colourWhiteRequired components:







OSRAM Opto Semiconductors

LEDOFWHM / FWTM10Efficiency85Peak intensity20LEDs/each optic1Light colourWRequired components:

OSLON Square CSSRM2/CSSRM3 10.0° / 20.0° 89 % 20.8 cd/lm 1 White



OSRAM Opto Semiconductors

LEDOFWHM / FWTM7.Efficiency92Peak intensity24LEDs/each optic1Light colourWRequired components:

OSLON SSL 150 7.0° / 16.0° 93 % 24.7 cd/lm 1 White ents:

| Efficiency 94 % Peak intensity 14.9 cd/lm LEDs/each optic 1 Light colour White | | | | |
|---|-----|----------|--------------|-------------------|
| FWHM / FWTM 8.0° / 24.0° Efficiency 94 % Peak intensity 14.9 cd/lm LEDs/each optic 1 | | 30° A | JNG | SAMSU |
| FWHM / FWTM 8.0° / 24.0° Efficiency 94 % Peak intensity 14.9 cd/lm LEDs/each optic 1 Light colour White | | | LH181A | LED |
| Peak intensity 14.9 cd/lm LEDs/each optic 1 Light colour White | | | 8.0° / 24.0° | FWHM / FWTM |
| LEDs/each optic 1 Light colour White | | 60° | 94 % | Efficiency |
| Light colour White | | 6300 × 1 | 14.9 cd/lm | Peak intensity |
| | | | 1 | LEDs/each optic |
| Required components: | | 455 | White | Light colour |
| | | | ents: | Required componer |
| | | | | |
| | | | | |
| 30* 100 | 15. | 30° | | |



| รлмรเ | | 90° 30 |
|--|--|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH181B 9.0° / 24.0° 94 % 15 cd/lm 1 White | |
| SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH351Z 11.0° / 19.0° 89 % 20.7 cd/lm 1 White | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Z5 7.0° / 16.0° 93 % 32.7 cd/lm 1 White nts: | |
| seous seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Z5M1/Z5M2 11.0° / 19.0° 94 % 17.8 cd/lm 1 White hts: | 90° 90 75° 90 60° 900 60° 900 75° 00 1000 1000 1000 1000 1000 1000 1000 |



| | DS Contraction of the second se | 90 ⁶ |
|--|---|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON HL2X 14.0° / 26.0° 94 % 11.1 cd/lm 1 White | 27 27 27 27 27 20 20 20 20 20 20 20 20 20 20 |
| |)S | 90° 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON Rubix (white) 6.0° / 14.0° 96 % 47.2 cd/lm 1 White | |
| | | 130 55000 15° |
| CLUMILEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON SunPlus 20 Line (120 deg) 8.0° / 16.0° 96 % 30 cd/lm 1 White | 94 75 75 75 75 75 75 75 75 75 75 |
| | 5 | |
| CUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON SunPlus 20 Line (150 deg) 8.0° / 17.0° 91 % 28.5 cd/lm 1 White | 30° |



| |)S | 90° 90° |
|--|---|---|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON Z ES 7.7° / 17.0° 94 % 33.3 cd/lm 1 White | 200 - 12 ⁴ - 22 ⁴ - |
| | JS | 90* 90* |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | SST-20 10.0° / 19.0° 94 % 22.1 cd/lm 1 White | 20 40 40 40 40 40 40 40 40 40 4 |
| | | 15° 0° 35° |
| WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | NVSW519A 14.0° / 28.0° 92 % 9.4 cd/lm 1 White | 30° 0° 10° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0 |
| ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | NVSxE21A 8.0° / 20.0° 93 % 20.6 cd/lm 1 White | 59 ⁴ 59 ⁴ |



| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSCONIQ P 3030 7.1° / 16.0° 96 % 34.6 cd/lm 1 White | 20° |
|---|---|--|
| OSRAM | | 90* 90* |
| opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSLON PURE 1010 (GW VJLPE1) 8.0° / 16.0° 93 % 29.2 cd/lm 1 White | |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSLON Square EC 12.0° % 11.8 cd/lm 1 White | |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components: | SFH 4170S 6.0° / 14.0° 88 % 1 IR | 21. 0. 12. 0. 21. 0. 12. 0. 21. 0. 21. 0. 21. 0. 22. 0. 23. 0. 24. 0. 25. 0. 26. 0. 26. 0. 26. 0. 27. 0. 26. 0. |



| SAMSU | NG | 50° A 50° |
|---------------------|---------------|-------------------------|
| LED | LH351B | |
| FWHM / FWTM | 12.0° / 22.0° | 25. |
| Efficiency | 94 % | 60° |
| Peak intensity | 14.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 43 ² |
| Required components | : | |
| | | 30- 22- 01 25- |
| SAMSU | NG | 50 ⁴ |
| LED | LH351C | |
| FWHM / FWTM | 12.0° / 24.0° | 23. 22. |
| Efficiency | 95 % | 60° 60° |
| Peak intensity | 13.4 cd/lm | $K \propto 1 \propto 2$ |
| LEDs/each optic | 1 | |
| Light colour | White | 42* |
| Required components | : | 3° 27 0 27 30 |



PRODUCT DATASHEET CA11663_HEIDI-RS

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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LEDiL Oy

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