

PRODUCT DATASHEET CS16330_STRADELLA-IP-28-HB-W-PC

STRADELLA-IP-28-HB-W-PC

~90° wide beam. Variant made from PC.

SPECIFICATION:

| Dimensions | 100.0 x 100.0 mm |
|----------------------------|------------------|
| Height | 9.5 mm |
| Fastening | pin, screw |
| Ingress protection classes | IP66, IP67 |
| ROHS compliant | yes 🛈 |



MATERIALS:

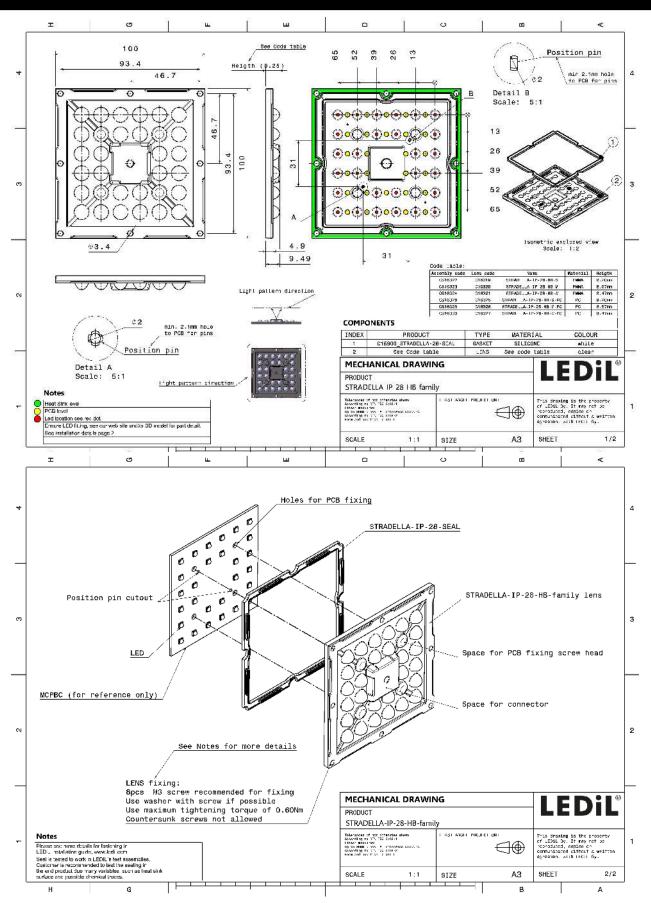
| Component | Туре | Material | Colour | Finish |
|-------------------------|------------|----------|--------|--------|
| STRADELLA-IP-28-HB-W-PC | Multi-lens | PC | clear | |
| STRADELLA-28-SEAL | Seal | Silicone | white | |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---------------------------------|------------|------------|-----|-----|-----------------|
| CS16330_STRADELLA-IP-28-HB-W-PC | Multi-lens | 156 | 78 | 78 | 5.9 |
| » Box size: 476 x 273 x 247 mm | | | | | |

Last update: 04/04/2023Subject to change without prior noticePublished: 06/11/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.1/11

PRODUCT DATASHEET CS16330_STRADELLA-IP-28-HB-W-PC



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



| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | HiQLED STR28 CR JE2835 4x7 xxx 72.0° / 115.0° 90 % 0.6 cd/lm 1 White tts: | |
|--|---|--|
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | HiQLED STR28 CR JK3030 4x7 xxx 73.0° / 113.0° 89 % 0.6 cd/lm 1 White its: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | QUICK FLUX STR28 XD2x14 xxx G8 82.0° / 126.0° 88 % 0.5 cd/lm 1 White tts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | QUICK FLUX STR28 XT2x14 xxx G5 83.0° / 126.0° 90 % 0.5 cd/lm 1 White tts: | |



| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | QUICK FLUX STR28 XT2x14 xxx G5 78.0° / 128.0° 92 % 0.5 cd/lm 1 White tts: | |
|--|---|--|
| CREE LED | J Series 2835 72.0° / 115.0° 90 % 0.6 cd/lm 1 White | |
| CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | J Series 3030 73.0° / 113.0° 89 % 0.6 cd/lm 1 White | |
| CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | J Series 3030 73.0° / 119.0° 93 % 0.6 cd/lm 1 White | |



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|-----------------------------------|-------------------------|---------------------------|
| | | |
| LED | XD16 | |
| FWHM / FWTM | 82.0° / 126.0° | |
| Efficiency | 88 % | er for an |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | Carlos Andrewski (* 1965) |
| Required compone | ents: | |
| | | |
| | | |
| | | 2" 10" 10" W |
| | D | 12 |
| LED | XP-G3 | |
| FWHM / FWTM | 83.0° / 126.0° | |
| Efficiency | 90 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | ents: | |
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| | | |
| | | |
| | D | £.v |
| LED | XT-E | |
| FWHM / FWTM | 86.0° / 128.0° | |
| Efficiency | 92 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | v / / / v |
| Required compone | ents: | |
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| | | * |
| OSRAM | | |
| Opto Semiconductors | | |
| | OSCONIQ S 3030 (QSLR31) | n |
| FWHM / FWTM | 73.0° / 119.0° | |
| Efficiency | 92 % | |
| Peak intensity LEDs/each optic | 0.6 cd/lm 1 | |
| LEDS/each oplic | White | |
| Required compone | | |
| | 51110. | |
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| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | OSLON Square CSSRM2/CSSRM3 73.0° / 121.0° 91 % 0.6 cd/lm 1 White ents: | |
|---|--|--|
| SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | HiLOM SC28 (LH181B) 74.0° / 113.0° 88 % 0.6 cd/lm 1 White | |
| SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | HiLOM SM28 (LM301B) 73.0° / 115.0° 90 % 0.6 cd/lm 1 White | |



| LED | XP-G2 HE | |
|---|---|---|
| FWHM / FWTM | 92.0° / 126.0° | # |
| Efficiency | 91 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
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| | DS | er 💊 💌 |
| LED | LUXEON 3030 2D (Round LES) | |
| FWHM / FWTM | 76.0° / 118.0° | |
| Efficiency | 89 % | |
| Peak intensity | 0.6 cd/lm | 1 / / · · · · · · · · · · · · · · · · · |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
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| | | 10 ⁵ 40 10' |
| ØΝΙCΗΙΛ | | |
| | NF2x757G | |
| | NF2x757G 82.0° / 122.0° | |
| LED FWHM / FWTM | | |
| LED FWHM / FWTM Efficiency | 82.0° / 122.0° 94 % | |
| LED FWHM / FWTM Efficiency Peak intensity | 82.0° / 122.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 82.0° / 122.0° 94 % 0.5 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | 12 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | 12 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | 12 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° 89 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° 89 % 0.5 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° 89 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° 89 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° 89 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 82.0° / 122.0° 94 % 0.5 cd/lm 1 White NVSxE21A 83.0° / 118.0° 89 % 0.5 cd/lm 1 | |



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|--|---|---------------------------------------|
| <i>MNICHIA</i> | | |
| LED | NVSxx19B/NVSxx19C | |
| FWHM / FWTM | 90.0° / 122.0° | # |
| Efficiency | 91 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
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| OSRAM Opto Semiconductors | | ** |
| LED | Duris S8 | |
| FWHM / FWTM | 74.0° / 118.0° | |
| Efficiency | 92 % | |
| Peak intensity | 0.6 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
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| 000414 | | |
| NCDAM | | |
| Opto Semiconductors | | |
| OSRAM Opto Semiconductors LED | OSCONIQ C 2424 | |
| | OSCONIQ C 2424 86.0° / 120.0° | |
| LED | | |
| LED FWHM / FWTM | 86.0° / 120.0° | |
| LED FWHM / FWTM Efficiency | 86.0° / 120.0° 92 % | |
| LED FWHM / FWTM Efficiency Peak intensity | 86.0° / 120.0° 92 % 0.5 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 86.0° / 120.0° 92 % 0.5 cd/lm 1 | 17. 17. 10. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86.0° / 120.0° 92 % 0.5 cd/lm 1 | 17. 17. 10. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86.0° / 120.0° 92 % 0.5 cd/lm 1 | 17. 17. 19. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86.0° / 120.0° 92 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86.0° / 120.0° 92 % 0.5 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Statemiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 86.0° / 120.0° 92 % 0.5 cd/lm 1 White OSCONIQ P 3030 76.0° / 120.0° 95 % 0.6 cd/lm 1 | |



| SAMSUN | IG | E |
|----------------------|-------------------|---|
| LED | LH351C | |
| FWHM / FWTM | 92.0° / 118.0° | |
| Efficiency | 93 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| star | | 101 101 101 101 101 101 101 101 101 101 |
| | | |
| | SEOUL 3030 | |
| FWHM / FWTM | 85.0° / 121.0° | |
| Efficiency | 92 % 0.5 cd/lm | pr / |
| Peak intensity | | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
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| 32012 | | 1.7 |
| SEOUL SEMICONDUCTOR | SEOUL DC 3030C | |
| FWHM / FWTM | 86.0° / 122.0° | |
| Efficiency | 93 % | |
| Peak intensity | 0.5 cd/lm | ··· / / / / / / / / / / / / / / / / / / |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| | | |
| | | |
| 3003 | | 1ª |
| SEOUL SEMICONDUCTOR | Z5M1/Z5M2 | |
| FWHM / FWTM | 88.0° / 121.0° | # |
| Efficiency | 92 % | |
| Peak intensity | 92 % 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | ı White | |
| Required components: | THIC | |
| - Imer componenter | | |
| | | |



| LED | Z8Y22 | 12 J |
|--------------------|----------------|------|
| FWHM / FWTM | 95.0° / 128.0° | 25. |
| Efficiency | 89 % | |
| Peak intensity | 0.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required component | ts: | M. |



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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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