

PRODUCT DATASHEET F14486_FLORENCE-Z30

FLORENCE-Z30

~30° medium beam

SPECIFICATION:

| Dimensions | 286.0 x 61.0 mm |
|----------------|-----------------|
| Height | 8.5 mm |
| Fastening | screw |
| ROHS compliant | yes 🛈 |



MATERIALS:

Component FLORENCE-Z30

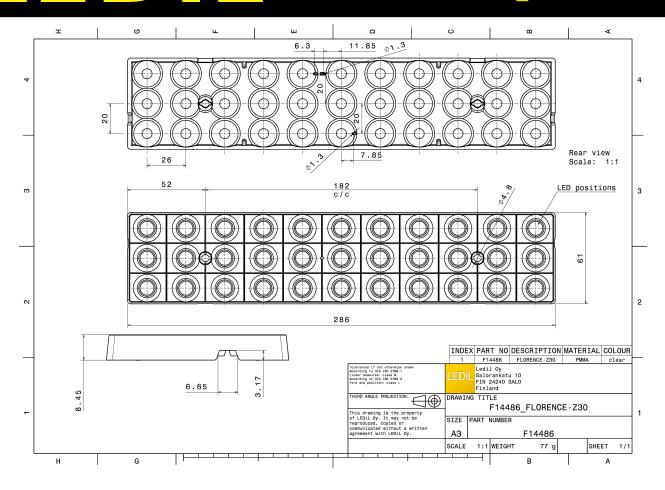
| Туре | |
|--------|------|
| Linear | lens |

| Material | Colour | Finish |
|----------|--------|--------|
| PMMA | clear | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| F14486_FLORENCE-Z30 | 72 | 72 | 6 | 7.1 |
| » Box size: 398 x 298 x 140 mm | | | | |

PRODUCT DATASHEET F14486_FLORENCE-Z30



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



| 🤭 LUMIL | EDS | 90° 90° |
|---|--|---|
| LED | LUXEON 3030 2D (Round LES) | |
| FWHM / FWTM | 26.0° / 56.0° | |
| Efficiency | 87 % | |
| Peak intensity | 2.6 cd/lm | B0 ¹⁰ |
| LEDs/each optic | 1 | |
| Light colour | White | 97° 1600 47° |
| Required compone | | |
| | | |
| | | 2100 |
| | | |
| | | 30° 30° 30° 30° |
| 🖉 LUMIL | EDS | 90* |
| LED | LUXEON 3535L HE | |
| FWHM / FWTM | 29.0° / 63.0° | 35° |
| Efficiency | 93 % | |
| Peak intensity | 2.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 42. 42. |
| Required compone | | 1630 |
| | | |
| | | |
| | | |
| | | 30 150 0° 150 |
| | | |
| UMIL | EDS | 90° 90° |
| | EDS LUXEON XR-3535L (L202 - xxxx033C30001) | 90 [*] |
| | | 31 31 91 91 |
| LED | LUXEON XR-3535L (L202 - xxxx033C30001) | |
| LED FWHM / FWTM | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° | 00 00 00 00 00 00 00 00 00 00 00 00 00 |
| LED FWHM / FWTM Efficiency | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % | 60 60 60 F |
| LED FWHM / FWTM Efficiency Peak intensity | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm | a. 50 50 50 50 50 50 50 50 50 50 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White | 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White | 91 ⁴ 92 ⁴ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White | 99 ⁴ 99 ⁴ 90 ⁴ 9 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White | 30. 20. 20. 20. 20. 20. 20. 20. 2 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: | 30 ⁻ 15 ⁻ 0 ⁻ 35 ⁻ 36 ⁻ |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White Ints: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: | 90° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° | 90° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % | 33. 34. 35. 6. 35. 36. 36. 36. 36. 36. 36. 36. 36 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm | 33. 34. 35. 6. 35. 36. 36. 36. 36. 36. 36. 36. 36 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm 1 White | 99* 99* 135 00 135 00 135 00 135 00 135 00 135 00 135 135 135 135 135 135 135 135 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm 1 White | |
| LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone ED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LUXEON XR-3535L (L202 - xxxx033C30001) 27.0° / 63.0° 93 % 2.4 cd/lm 1 White nts: NUS MP-2016 24.0° / 56.0° 92 % 3 cd/lm 1 White | |



| Mana | | |
|--|--|---|
| ØNICHI | | <u>90*</u> |
| LED | NFSW757H | |
| FWHM / FWTM | 29.0° / 64.0° | |
| Efficiency | 94 % | 61 ⁻⁰⁰ |
| Peak intensity | 2.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | gr a |
| Required compone | nts: | |
| | | |
| | | |
| | | 30* 205 30 |
| ØNICHI | | 20) % 20 30 ³ 30 ³ |
| LED | - NFSW757H | |
| FWHM / FWTM | 29.0° / 64.0° | |
| Efficiency | 94 % | |
| Peak intensity | 94 /8 2.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | g |
| Required compone | | 200 |
| | NCE-3R-SHD-WHT | |
| 011010_120112 | | |
| | | |
| | | 200 00 120° |
| | | |
| OSRAM | 1 | 94* |
| OSRAM LED | PL-BAR-G3 1100 280x55 | 90 ⁴ 90 |
| | | 90 ⁴ 90 |
| LED FWHM / FWTM | PL-BAR-G3 1100 280x55 | |
| LED FWHM / FWTM Efficiency | PL-BAR-G3 1100 280x55 28.0° / 61.0° | |
| LED FWHM / FWTM | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % | |
| LED FWHM / FWTM Efficiency Peak intensity | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer OSRAN LED FWHM / FWTM | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer OSRAN LED FWHM / FWTM Efficiency | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed Required componed OSRAN LED FWHM / FWTM Efficiency Peak intensity | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % 2.3 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed Required componed OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % 2.3 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % 2.3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componed Required componed OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % 2.3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % 2.3 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | PL-BAR-G3 1100 280x55 28.0° / 61.0° 94 % 2.5 cd/lm 1 White nts: PLG2-BAR-1100-xxx-280x55-DC 29.0° / 64.0° 91 % 2.3 cd/lm 1 White | |



| OSRAM Opto Semiconductors | | 50 ⁴ 50 ³ |
|---|---|---------------------------------|
| LED | Duris E5 | |
| FWHM / FWTM | 28.0° / 62.0° | |
| Efficiency | 91 % | |
| Peak intensity | 2.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | ¢ |
| Required compone | nts: | |
| | | |
| | | |
| | | 30* |
| OSPAM | | 325° 0° 125 |
| OSRAM Opto Semiconductors | | 90 ⁴ |
| LED | Duris S2 | |
| FWHM / FWTM | 23.0° / 54.0° | |
| Efficiency | 90 % | 81 |
| Peak intensity | 2.8 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | |
| | | 200 |
| | | |
| | | 30' 20' 20' 30' |
| | | |
| | 20 | |
| PHILIP | | |
| LED | Fortimo LED Line VO 1ft MF 3R HV5 | 35 |
| LED FWHM / FWTM | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° | |
| LED FWHM / FWTM Efficiency | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % | |
| LED FWHM / FWTM Efficiency Peak intensity | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm | 57 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White | 57 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White | 57 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White | 23 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White | 23 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: | 23 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: S Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White Ints: Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° 94 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIC LED FWHM / FWTM Efficiency Peak intensity | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: S Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° 94 % 2.7 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: S Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° 94 % 2.7 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: S Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° 94 % 2.7 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: S Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° 94 % 2.7 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone PHILLIP LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | Fortimo LED Line VO 1ft MF 3R HV5 23.0° / 58.0° 97 % 3.1 cd/lm 1 White nts: S Fortimo LED Line 1ft 650lm 3R HV4 & LV4 26.0° / 60.0° 94 % 2.7 cd/lm 1 White | |



| PHILIF | 20 | 901 |
|---|--------------------------------------|-------------------|
| LED | Fortimo LED Line 1ft HF 3R HV5 | |
| FWHM / FWTM | 25.0° / 57.0° | |
| Efficiency | 96 % | 601 |
| Peak intensity | 2.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | 30° 300 30° 30° |
| PHILIF | PS III | 90* |
| LED | Fortimo LED Line 1ft LF 3R HV5 & LV5 | |
| FWHM / FWTM | 24.0° / 57.0° | |
| Efficiency | 97 % | |
| Peak intensity | 3.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | |
| <u></u> | | 30° 32° d 13° 3 |
| PHILIF | 25 | 90* |
| LED | Fortimo LED Line 1ft MF 3R HV5 & LV5 | |
| FWHM / FWTM | 26.0° / 59.0° | |
| Efficiency | 97 % | 601 |
| Peak intensity | 2.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | 200 200 200 |
| <u> </u> S M S I | JNG | 35 ⁴ |
| LED | LM561B | |
| FWHM / FWTM | 28.0° / 62.0° | |
| Efficiency | 93 % | |
| Peak intensity | 2.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | er 150 |
| Required compone | nts: | |



| SAMSI | ING | | 30* | 90° |
|---|---|--|---|-------------------|
| LED | LM561B Plus | | | |
| FWHM / FWTM | 27.0° / 60.0° | | | 75* |
| Efficiency | 93 % | | | |
| Peak intensity | 2.6 cd/lm | | 69 | 60* |
| LEDs/each optic | 1 | | | |
| Light colour | White | | gr. 100 | 45° |
| Required compone | | | | |
| | | | | |
| | | | | \sum |
| | | | | 20.0 |
| | | | 20 15° 0° 15° | ~ |
| SAMSI | UNG | | 90* | 90° |
| LED | LM561C | | | |
| FWHM / FWTM | 28.0° / 62.0° | | 73 | 75* |
| Efficiency | 93 % | | | \leq |
| Peak intensity | 2.4 cd/lm | | | 60* |
| LEDs/each optic | 1 | | | $\langle $ |
| Light colour | White | | 8 ² | 45° |
| Required compone | | | | |
| | | | | |
| | | | | \times |
| | | | 30° | 36. |
| | | | 15° 0° 15° | |
| | | | | |
| SAMS | UNG | | 50* | 90° |
| | UNG LT-R286A | | 80* | 90* |
| | | | 25. 26. | 90° 25° |
| LED | LT-R286A | | | 90° 25° 60° |
| LED FWHM / FWTM | LT-R286A 29.0° / 65.0° | | 00 ¹ | 90* 25* 60* |
| LED FWHM / FWTM Efficiency | LT-R286A 29.0° / 65.0° 94 % | | 90 ⁴ | 90* 25* 60* |
| LED FWHM / FWTM Efficiency Peak intensity | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm | | 67. 60. 26. 26. | 824 864 22. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White | | g. 60, 13, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10 | 80° 25° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White | | | 22, 26, |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White | | | 80° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White | | | 8. 8. |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: | | | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone SECOUL SEMICONDUCTOR LED | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout semiconductor LED FWHM / FWTM | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm 1 | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm 1 White | | 90 ⁴ 20 ⁴ 10 ⁹ | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm 1 White | | | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm 1 White | | | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm 1 White | | | X |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LT-R286A 29.0° / 65.0° 94 % 2.3 cd/lm 1 White ents: SEOUL 3030 27.0° / 60.0° 94 % 2.6 cd/lm 1 White | | | X |



| SEOUL | | 84* |
|---|--|---|
| SEOUL SEMICONDUCTOR | SEOUL 5630C | |
| LED FWHM / FWTM | 27.0° / 62.0° | |
| | 87 % | |
| Efficiency | | |
| Peak intensity | 2.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required componen | | |
| C14592_FLORE | NCE-3R-SHD-BLK | |
| | | les/ |
| | | 30 ⁶ 125 ⁷ 0° 125 ⁴ |
| SEOUL | | 84* |
| SEOUL SEMICONDUCTOR | SEOUL 5630C | |
| EED FWHM / FWTM | 27.0° / 62.0° | |
| Efficiency | 94 % | |
| Peak intensity | 2.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | or and the second se |
| Required component | | |
| Required component | | |
| | | |
| | | terro |
| | | 20 ⁰ 15 ⁹ 0 ³ 15 ⁹ |
| | | |
| SEOUL | | 50* |
| SEOUL SEMICONDUCTOR | SEOLUL 5630C | 39* |
| SEOUL SEMICONDUCTOR | SEOUL 5630C | 35* 75 |
| seoul semiconductor LED FWHM / FWTM | 27.0° / 62.0° | |
| seoul semiconductor LED FWHM / FWTM Efficiency | 27.0° / 62.0° 88 % | 99 ⁴ 75- 94 |
| seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity | 27.0° / 62.0° 88 % 2.5 cd/lm | 50 ⁴ |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 27.0° / 62.0° 88 % 2.5 cd/lm 1 | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: | 93 ⁴ 95 94 95 95 95 95 96 96 96 96 96 96 96 96 96 96 96 96 96 |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White | 55 ⁴ 75 65 ⁴ 60 100 100 |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componei C14453_FLORE SEOUL SEMICONDUCTOR LED FWHM / FWTM | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer C14453_FLORE stour semiconductor LED FWHM / FWTM Efficiency | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componel C14453_FLORE stour semiconductor LED FWHM / FWTM Efficiency Peak intensity | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm | |
| stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm 1 | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE Stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm 1 White | |
| stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm 1 White | |
| stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE Stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm 1 White | |
| stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C14453_FLORE Stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm 1 White | |
| EDU SEMICONDUCTOR LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component C14453_FLORE ED ED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 62.0° 88 % 2.5 cd/lm 1 White nts: NCE-3R-SHD-GR SEOUL DC 3030 23.0° / 57.0° 94 % 3 cd/lm 1 White | |



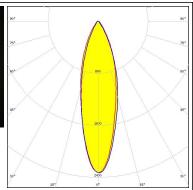
TRIDONIC

| L | E | D | |
|---|---|---|--|
| | | | |

FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:

LLE G2 55x280mm 2000lm 29.0° / 64.0° 94 % 2.3 cd/lm 1 White







OPTICAL RESULTS (SIMULATED):

| ΜΝΙCΗΙΛ | | 90° |
|------------------------------|---------------|---|
| LED | NF2x757G | 75 - 75 |
| FWHM / FWTM | 25.0° / 53.0° | |
| Efficiency | 90 % | 60. 60. |
| Peak intensity | 3.2 cd/lm | 100 |
| LEDs/each optic | 1 | 45' |
| Light colour | White | |
| Required components: | | 2430 |
| | | |
| | | |
| | | 36° 35° 36° |
| Μ ΝΙCΗΙΛ | | 90° |
| LED | NFMW48xA | |
| FWHM / FWTM | 27.0° / 69.0° | |
| Efficiency | 91 % | 690 60* |
| Peak intensity | 2.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 42° 42° |
| Required components: | | 1690 |
| | | |
| | | |
| | | 30° 35° 0° 35° |
| OSRAM Opto Semiconductors | | 90 ⁴ 90 ⁴ |
| LED | Duris E 2835 | |
| FWHM / FWTM | 29.0° / 58.0° | 75° |
| Efficiency | 94 % | - 800 |
| Peak intensity | 2.8 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 45* 45* |
| Required components: | | |
| | | 2430 |
| | | |
| | | 30* 15* 0* 15* 36* |
| OSRAM Opto Semiconductors | | 90* |
| LED | Duris E 2835 | |
| FWHM / FWTM | 30.0° / 75.0° | 73. |
| Efficiency | 96 % | 60° |
| Peak intensity | 2.2 cd/lm | $\langle \rangle \rangle$ |
| LEDs/each optic | 2 | $ \times / \rangle \times \times $ |
| Light colour | White | 93° |
| Required components: | | 1630 |
| | | |
| | | |
| | | |
| | | 30° 30° 30° 30° |



OPTICAL RESULTS (SIMULATED):

| OSRAM Opto Semiconductors | | 90 ⁴ 90 ⁴ |
|--|--|--|
| LED | OSCONIQ C 2424 | |
| FWHM / FWTM | 14.0° / 68.0 + 56.0° | 73. |
| Efficiency | 94 % | |
| Peak intensity | 4 cd/lm | 60° 60° |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| | | 3200 |
| | | |
| | | |
| | | 15° 0° 15° |
| SAMSUN | IG | 90* 90' |
| LED | LM28xB Series | |
| FWHM / FWTM | 20.0° / 52.0° | 7 |
| Efficiency | 95 % | |
| Peak intensity | 4.3 cd/lm | - 1600 |
| LEDs/each optic | 1 | |
| Light colour | White | g |
| Required components: | | 2200 |
| | | |
| | | |
| | | 30. 34. |
| | | 15% 0% 15% |
| | | |
| SAMSUN | IG | 90* 90' |
| | | |
| LED | LM301B 24.0 + 26.0° / 74.0 + 66.0° | 50° 50 73° 72 |
| LED FWHM / FWTM | LM301B | |
| LED FWHM / FWTM Efficiency | LM301B 24.0 + 26.0° / 74.0 + 66.0° | 60 00 00 30 20 90 90 |
| LED FWHM / FWTM | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % | 99 ⁵ 99 ⁵ 99 99 99 99 99 99 99 99 99 99 99 99 99 |
| LED FWHM / FWTM Efficiency Peak intensity | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 | 30. 6. 6. 6. 6. 750 750 6. 6. 6. 750 6. 751 751 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White | 77 60 77 77 60 77 77 77 77 77 77 77 77 77 77 77 77 77 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LM301B 24.0 + 26.0° / 74.0 + 66.0° 89 % 2.2 cd/lm 2 White LM302Z plus 23.0° / 54.0° 94 % 3.4 cd/lm 1 | |



OPTICAL RESULTS (SIMULATED):

| SAMSUN | IC | |
|----------------------|----------------|--|
| | | 90° 90° |
| LED | LM302Z plus | 75 |
| FWHM / FWTM | 25.0° / 70.0° | |
| Efficiency | 89 % | 60° 60° |
| Peak intensity | 2.2 cd/lm | |
| LEDs/each optic | 2 | |
| Light colour | White | g., d., |
| Required components: | | 30° 100 20° 20° 20° |
| SEOUL SEMICONDUCTOR | | 90° 99° |
| LED | SEOUL 5630D | 75' |
| FWHM / FWTM | 29.0° / 58.0° | |
| Efficiency | 90 % | 60 ^t 60 ^t |
| Peak intensity | 3.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 45* |
| Required components: | | 200 200 200 200 200 200 200 200 |
| SEOUL | | 90* 90* |
| SEQUL SEMICONDUCTOR | SEOUL DC 3030C | |
| FWHM / FWTM | 23.0° / 54.0° | 75' |
| Efficiency | 94 % | |
| Peak intensity | 3.5 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 95* |
| Required components: | | 200 |



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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

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