

STRADELLA-8-HV-HB-S

~25° spot beam for industrial applications. Variant with improved creepage distance for high voltage circuit designs.

SPECIFICATION:

| Dimensions | 49.5 x 49.5 mm |
|----------------|----------------|
| Height | 7.5 mm |
| Fastening | screw |
| ROHS compliant | yes 🛈 |



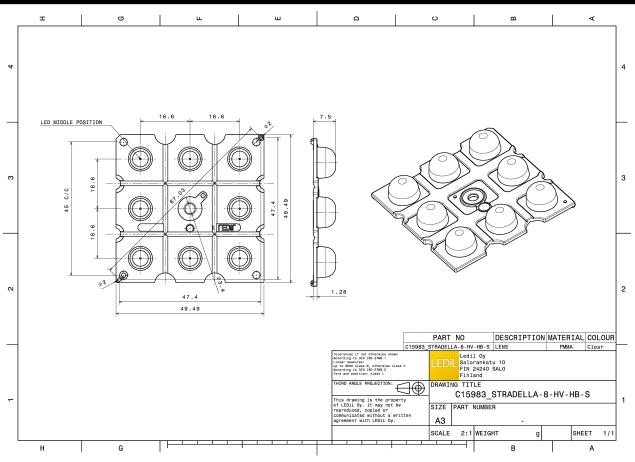
MATERIALS:

| Component | Туре | Material | Colour | Finish |
|---------------------|------------|----------|--------|--------|
| STRADELLA-8-HV-HB-S | Multi-lens | PMMA | clear | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C15983_STRADELLA-8-HV-HB-S | 800 | 160 | 160 | 5.0 |
| » Box size: 480 x 280 x 300 mm | | | | |





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



OPTICAL RESULTS (MEASURED):

| | | 90° 90° |
|--|---|--|
| LED | J Series 3030 | |
| FWHM / FWTM | 27.0° / 75.0° | 75* 75* |
| Efficiency | 96 % | |
| Peak intensity | 1.9 cd/lm | 50* 500 F0* |
| LEDs/each optic | 1 | |
| Light colour | White | 47 ⁴ 1220 47 ⁴ |
| Required componen | | |
| | | 1600 |
| | | |
| | | 30* 2000 30* |
| | | 15 ⁵ 0 ⁶ 35 ⁵ |
| | | 90* 90* |
| LED | XD16 | |
| FWHM / FWTM | 21.0° / 74.0° | 400 |
| Efficiency | 94 % | 60° |
| Peak intensity | 1.9 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 177 - 1200 - 474 |
| Required componen | ts: | |
| | | 1630 |
| | | X (X X |
| | | 36* 2000 36* |
| i | | 45° 0° 15° |
| | | |
| | | 90° 90° |
| CREE ÷ LEDs | XT-E | |
| LED FWHM / FWTM | XT-E 27.0° / 81.0° | 27 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20 |
| LED FWHM / FWTM Efficiency | | 75 |
| LED FWHM / FWTM Efficiency Peak intensity | 27.0° / 81.0° 94 % 1.6 cd/lm | 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 27.0° / 81.0° 94 % 1.6 cd/lm 1 | 73° 66° 66° 66° 700 700 700 700 700 700 700 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White | 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White | 73° 66° 600 - 60° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White | g. 60 - 67 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White | g |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White | g |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: | 20 00 00 00 00 00 00 00 00 00 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: | 25 64 64 64 66 66 75 75 75 75 75 75 75 75 75 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: NUS SST-10-B130 | 200 200 200 200 200 200 200 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° | 200 200 200 200 200 200 200 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % | 200 200 200 200 200 200 200 200 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen EED FWHM / FWTM Efficiency Peak intensity | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm | 20 00 00 00 00 00 00 00 00 00 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 | 20 00 00 00 00 00 00 00 00 00 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red | 20 00 00 00 00 00 00 00 00 00 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Efficiency Peak intensity LEDs/each optic Light colour | 27.0° / 81.0° 94 % 1.6 cd/lm 1 White ts: SST-10-B130 23.0° / 75.0° 96 % 2.1 cd/lm 1 Deep Red | |



OPTICAL RESULTS (MEASURED):

| OSRAM Opto Semiconductors | | 90° |
|--|--|--|
| LED | OSCONIQ S 3030 (QSLR31) | |
| FWHM / FWTM | 27.0° / 74.0° | |
| Efficiency | 94 % | |
| Peak intensity | 2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | er - 120 - 120 - 1 |
| Required compone | nts: | |
| | | 500 |
| | | |
| | | 30* |
| | | *ec /o /ret |
| PHILIF | ' 5 | 50° |
| LED | Fortimo FastFlex LED 4x8up PR G5 | 77 |
| FWHM / FWTM | 23.0° / 69.0° | |
| Efficiency | 94 % | 601 000 |
| Peak intensity | 2.2 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | nts: | 15% |
| | | |
| | | |
| | | 30.0 |
| | | 15° 48% 15° |
| CUWCI | | 25 ⁷ (10) |
| SAMSI | | 20 ⁵ 300 10 ⁵ |
| LED | LH151B | 20 ³ 30 ⁴ 10 ⁴ |
| LED FWHM / FWTM | LH151B 17.0° / 58.0° | |
| LED FWHM / FWTM Efficiency | LH151B 17.0° / 58.0° 94 % | 75 |
| LED FWHM / FWTM Efficiency Peak intensity | LH151B 17.0° / 58.0° 94 % 3 cd/lm | 79 93 93 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 | 75 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White | 79 93 93 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White | 79 93 93 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White | 737 634 537 500 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White | 737 634 537 500 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White | 737 634 537 500 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White | 75 60 67 60 50 50 50 50 50 50 50 50 50 50 50 50 50 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stour semiconductor LED FWHM / FWTM Efficiency Peak intensity | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous stanconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous stanconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH151B 17.0° / 58.0° 94 % 3 cd/lm 1 White nts: SEOUL DC 3030C 26.0° / 73.0° 94 % 2 cd/lm 1 White | |



OPTICAL RESULTS (MEASURED):

| seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Z5M3 32.0° / 88.0° 94 % 1.5 cd/lm 1 White | |
|--|--|-----|
| SEOUL SEMICONDUCTOR | | 99* |
| LED | Z5M4 | |
| FWHM / FWTM | 33.0° / 82.0° | |
| Efficiency | 97 % | |
| Peak intensity | 1.6 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required compone | 115. | |



| | | 90* |
|--------------------------------------|--------------------|---|
| LED | XP-G2 HE | |
| FWHM / FWTM | 36.0° / 89.0° | 78 |
| Efficiency | 93 % | 400 |
| Peak intensity | 93 /o 1.4 cd/lm | 60* |
| | 1 | |
| LEDs/each optic | ı White | 47 ⁴ 800 47 |
| Light colour Required components: | White | |
| Required components. | | |
| | | 1270 |
| | | |
| | | 30° 15° 36 |
| | | 80° |
| LED | XP-G3 | |
| FWHM / FWTM | 36.0° / 92.0° | 75 |
| Efficiency | 92 % | 400 |
| Peak intensity | 1.3 cd/lm | 60* 60 |
| LEDs/each optic | 1 | |
| Light colour | White | 45* 810 45 |
| Required components: | WIIIG | |
| Required components. | | |
| | | 1200 |
| | | |
| | | 30 ⁴ 30 ⁴ 30 ⁴ |
| | | |
| LED | XP-G3 | |
| FWHM / FWTM | 33.0° / 90.0° | |
| Efficiency | 89 % | |
| Peak intensity | 1.4 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| | | |
| | | |
| | | |
| |)S | |
| LED | LUXEON 3535L HE | |
| FWHM / FWTM | 20.0° / 65.0° | |
| Efficiency | 90 % | |
| Peak intensity | 2.3 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| 1 | | |
| | | |
| | | |
| | | |



| | 05 | 90° 90° |
|----------------------|---------------|--------------------------------|
| LED | LUXEON CZ | |
| FWHM / FWTM | 20.0° / 62.0° | 73 |
| Efficiency | 95 % | |
| Peak intensity | 2.7 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 95* a5* |
| Required components: | | 200 et 120 xx |
| UMILEC | DS S | |
| LED | LUXEON HR30 | |
| FWHM / FWTM | 26.0° / 72.0° | |
| Efficiency | 91 % | |
| Peak intensity | 2.1 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| | | |
| MUMILED | 15 | |
| LED | LUXEON TX | |
| FWHM / FWTM | 28.0° / 80.0° | |
| Efficiency | 90 % | |
| Peak intensity | 1.8 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| | | |
| Μ ΝΙCΗΙΛ | | 90* |
| LED | NVSW519A | 75*75* |
| FWHM / FWTM | 43.0° / 94.0° | |
| Efficiency | 90 % | 60° |
| Peak intensity | 1.2 cd/lm | $\wedge / / / \wedge \wedge /$ |
| LEDs/each optic | 1 | $ \times / $ |
| Light colour | White | ar ar |
| Required components: | | 30 ³ |
| | | 15° 0° 15° |



OPTICAL RESULTS (SIMULATED):

ΜΝΙCΗΙΛ

| LED | NVSxx19B/NVSxx19C |
|----------------------|-------------------|
| FWHM / FWTM | 30.0° / 86.0° |
| Efficiency | 88 % |
| Peak intensity | 1.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSCONIQ C 2424 24.0° / 70.0° 94 % 2.2 cd/lm 1 White | 201 201 201 201 201 201 201 201 |
|---|--|--|
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSCONIQ P 3030 20.0° / 56.0° 95 % 3.2 cd/lm 1 White | 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° |
| OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | OSLON Square CSSRM2/CSSRM3 30.0° / 76.0° 94 % 1.8 cd/lm 1 White | 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° |



| OSRAM Opto Semiconductors | | 90° |
|---|---|---|
| LED | OSLON Square CSSRM2/CSSRM3 | |
| FWHM / FWTM | 25.0° / 72.0° | 75' |
| Efficiency | 94 % | |
| Peak intensity | 2.2 cd/lm | 60° |
| LEDs/each optic | 1 | |
| Light colour | Far Red | 97° (0* |
| Required components: | | |
| | | 1000 |
| | | |
| | | 30° |
| | | 30 15° |
| SAMSUN | IG | 90° 90° |
| LED | LH181A | |
| FWHM / FWTM | 27.0° / 86.0° | 400 |
| Efficiency | 94 % | |
| Peak intensity | 1.7 cd/lm | 66 ⁴ |
| LEDs/each optic | 1 | |
| Light colour | White | gr |
| Required components: | | 1200 |
| | | |
| | | |
| | | 2004 |
| | | |
| | | |
| SAMSUN | IG | 90° 90° 90° |
| SAMSUN | | 25° 0° 15° |
| LED | LH181B | 73° 73° 93° 25° 0° 15° 30° |
| LED FWHM / FWTM | LH181B 28.0° / 78.0° | 23 24 25 25 27 27 27 27 27 27 27 27 27 27 27 |
| LED FWHM / FWTM Efficiency | LH181B 28.0° / 78.0° 94 % | |
| LED FWHM / FWTM Efficiency Peak intensity | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 | |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm | 25° 0° 15° 29° 29° 400 50° 400 60° 50° 400 60° 60° 60° 60° 60° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 | ge 66 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 | 60° |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 | 50 50 50 50 50 50 50 50 50 50 50 50 50 5 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White | ge 66 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White | yu - 200 - 40 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White | yu - 200 - 40 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White | yu - 200 - 40 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White | 30, 30, 30, |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % | 30, 30, 30, 30, 30, 30, 30, 30,0 30, 40, 17,0 40, 60, 60, 60, |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm | 30, 30, 30, 30, 30, 30, 30, 30,0 30, 40, 17,0 40, 60, 60, 60, |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1 | 30, 30, 30, 30, 30, 30, 30, 30,0 30, 40, 17,0 40, 60, 60, 60, |
| 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 | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 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 | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 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 | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 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 | LH181B 28.0° / 78.0° 94 % 1.9 cd/lm 1 White LH351C 36.0° / 87.0° 93 % 1.5 cd/lm 1 | |



| SAMSU | NG | 50° 50° |
|----------------------|---------------|------------|
| LED | LH351D | |
| FWHM / FWTM | 44.0° / 93.0° | 75. |
| Efficiency | 92 % | |
| Peak intensity | 1.2 cd/lm | BU BU |
| LEDs/each optic | 1 | |
| Light colour | White | 92. 42. |
| Required components: | | |
| | | |
| | | |
| | | 30° 20° |
| | | 15° 0° 15° |
| SEOUL | | |
| LED | Z8Y19 | |
| FWHM / FWTM | 23.0° / 81.0° | |
| Efficiency | 92 % | |
| Peak intensity | 1.8 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | |
| Required components: | | |
| | | |
| | | |
| | | |
| SEOUL | | |
| | | 90* 90* |
| LED | Z8Y22T | |
| FWHM / FWTM | 31.0° / 82.0° | 73' |
| Efficiency | 93 % | |
| Peak intensity | 1.7 cd/lm | |
| LEDs/each optic | 1 | |
| Light colour | White | 97° 67° |
| Required components: | | 1200 |
| | | |
| | | |
| | | 36* 36 |
| | | 15° 0° 15° |