# DAHLIA-TL110

**~120° wide beam**


## SPECIFICATION:

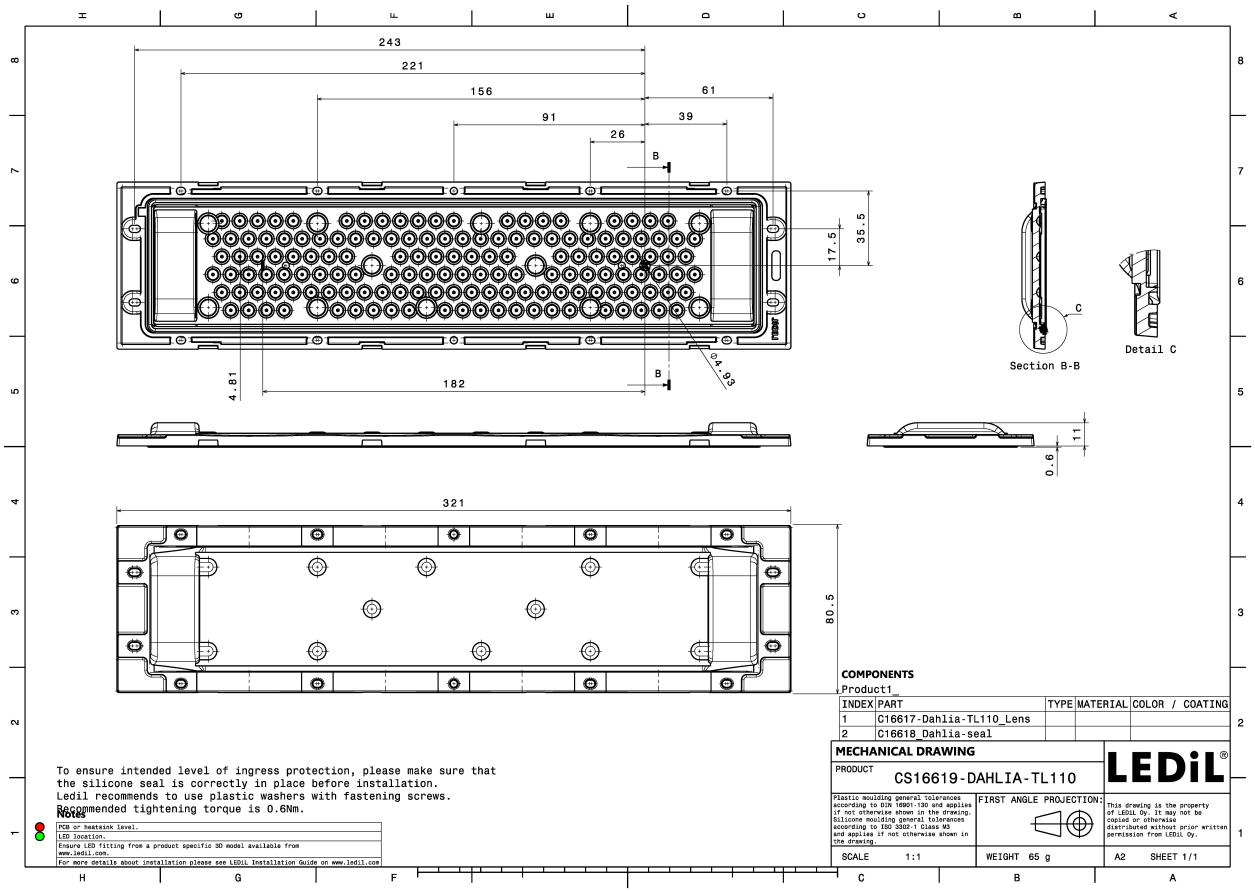
| | |
|---|---|
| Dimensions | 321.0 x 80.5 mm |
| Height | 11 mm |
| Fastening | screw |
| Ingress protection classes | IP67 |
| ROHS compliant | yes |

## MATERIALS:

| Component | Type | Material | Colour | Finish |
|---|---|---|---|---|
| DAHLIA-TL110 | Linear lens | PMMA | clear | |
| DAHLIA-TL-SEAL | Seal | Silicone | | |

## ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| CS16619_DAHLIA-TL110<br>» Box size: 343 x 343 x 298 mm | Linear lens | 80 | 80 | 4 | 8.9 |



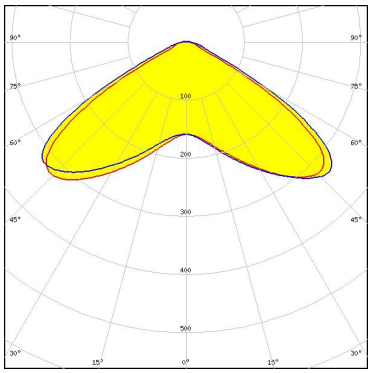

See also our general installation guide: www.ledil.com/installation_guide

## OPTICAL RESULTS (MEASURED):

CEZOS

| | |
|---|---|
| LED | L0-278053-RRRR-C1000-K237 |
| FWHM / FWTM | 122.0° / 142.0° |
| Efficiency | 94 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Red |

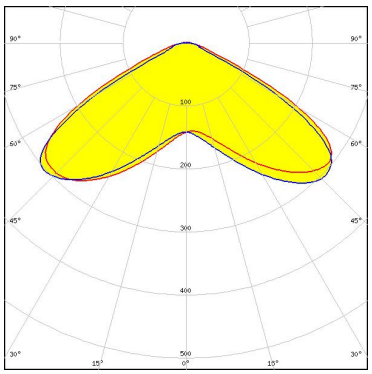
Required components:



LUMINUS

| | |
|---|---|
| LED | SST-10-B130 |
| FWHM / FWTM | 123.0° / 140.0° |
| Efficiency | 93 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Deep Red |

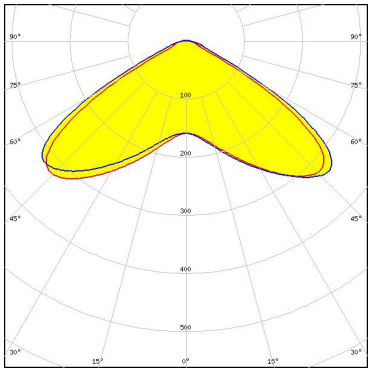
Required components:



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON Square CSSRM2/CSSRM3 |
| FWHM / FWTM | 122.0° / 142.0° |
| Efficiency | 94 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Hyper Red |

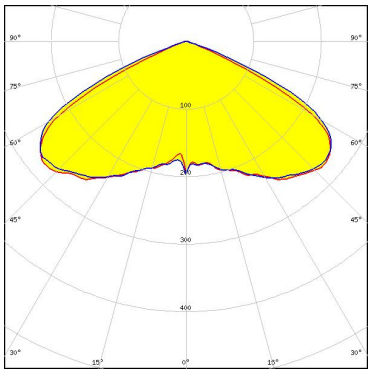
Required components:



## OPTICAL RESULTS (SIMULATED):

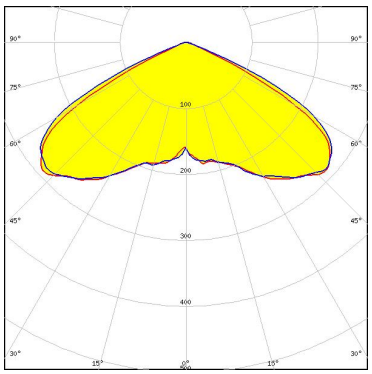
CREE LED

| | |
|---|---|
| LED | J Series 2835 |
| FWHM / FWTM | 129.0° / 140.0° |
| Efficiency | 92 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



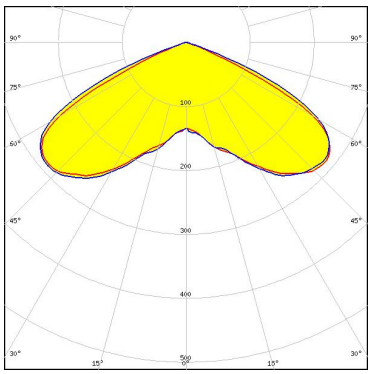
CREE LED

| | |
|---|---|
| LED | J Series 3030 |
| FWHM / FWTM | 126.0° / 138.0° |
| Efficiency | 91 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



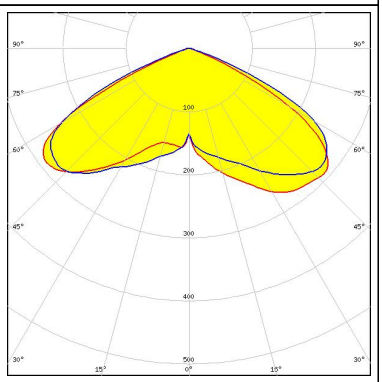
LUMILEDS

| | |
|---|---|
| LED | LUXEON 2835 Line |
| FWHM / FWTM | 118.0° / 133.0° |
| Efficiency | 93 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



NICHIA

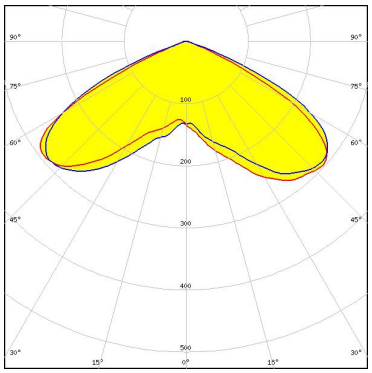
| | |
|---|---|
| LED | NF2x757G |
| FWHM / FWTM | 127.0° / 140.0° |
| Efficiency | 92 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## OPTICAL RESULTS (SIMULATED):

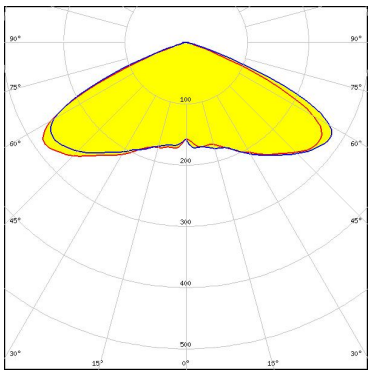
NICHIA

| | |
|---|---|
| LED | NFSx757G |
| FWHM / FWTM | 127.0° / 140.0° |
| Efficiency | 93 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



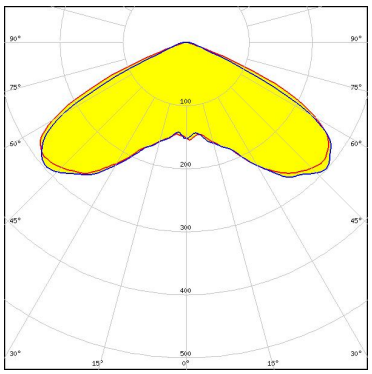
NICHIA

| | |
|---|---|
| LED | NVSxx19B/NVSxx19C |
| FWHM / FWTM | 132.0° / 144.0° |
| Efficiency | 93 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



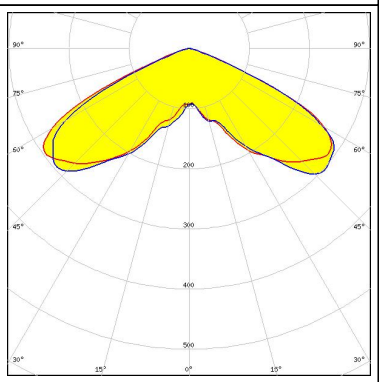
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Duris S5 (Single chip) |
| FWHM / FWTM | 128.0° / 141.0° |
| Efficiency | 94 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



OSRAM
Opto Semiconductors

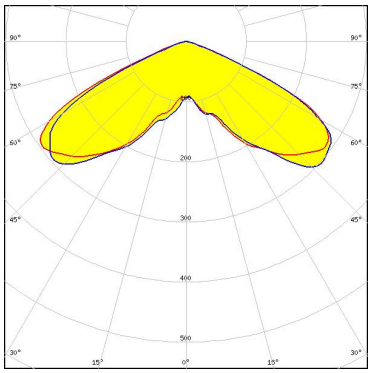
| | |
|---|---|
| LED | OSCONIQ P 3030 |
| FWHM / FWTM | 129.0° / 142.0° |
| Efficiency | 93 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## OPTICAL RESULTS (SIMULATED):

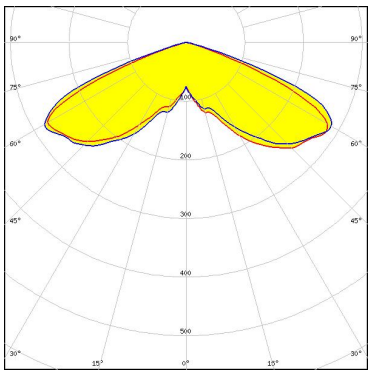
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 3030 |
| FWHM / FWTM | 128.0° / 142.0° |
| Efficiency | 94 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Hyper Red |
| Required components: | |



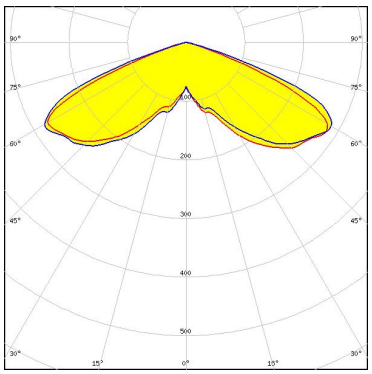
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON SSL 120 |
| FWHM / FWTM | 127.0° / 135.0° |
| Efficiency | 95 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Red |
| Required components: | |



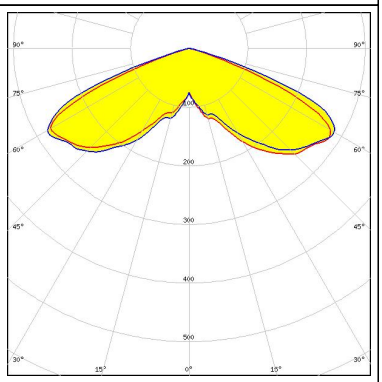
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON SSL 120 |
| FWHM / FWTM | 127.0° / 137.0° |
| Efficiency | 95 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Red |
| Required components: | |



OSRAM
Opto Semiconductors

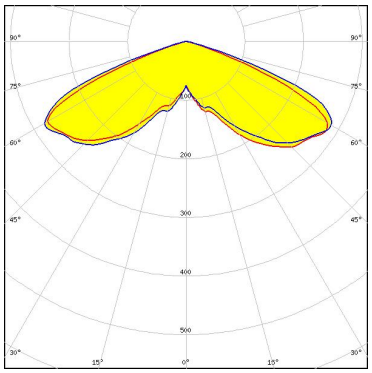
| | |
|---|---|
| LED | OSLON SSL 120 |
| FWHM / FWTM | 128.0° / 137.0° |
| Efficiency | 94 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | Blue |
| Required components: | |



## OPTICAL RESULTS (SIMULATED):

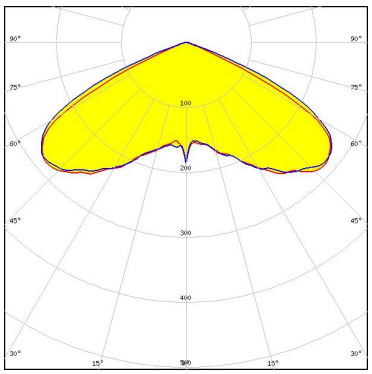
OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSLON SSL 150 |
| FWHM / FWTM | 137.0° / 146.0° |
| Efficiency | 94 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



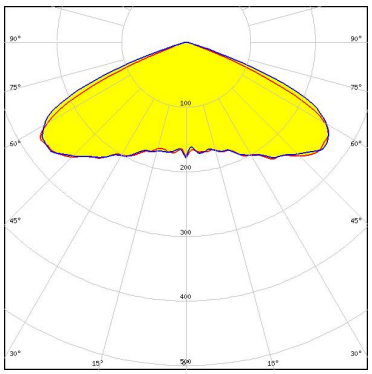
SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | SEOUL DC 3030 |
| FWHM / FWTM | 129.0° / 140.0° |
| Efficiency | 92 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z5M |
| FWHM / FWTM | 134.0° / 146.0° |
| Efficiency | 92 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



## 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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