# HB-IP-24-O-PC

**~40° + 75° oval beam for aisle lighting. Variant made from PC.**



## SPECIFICATION:

| | |
|---|---|
| Dimensions | 173.0 x 71.4 |
| Height | 0 mm |
| Fastening | pin, screw |
| Ingress protection classes | IP66, IP67 |
| ROHS compliant | yes |

## MATERIALS:

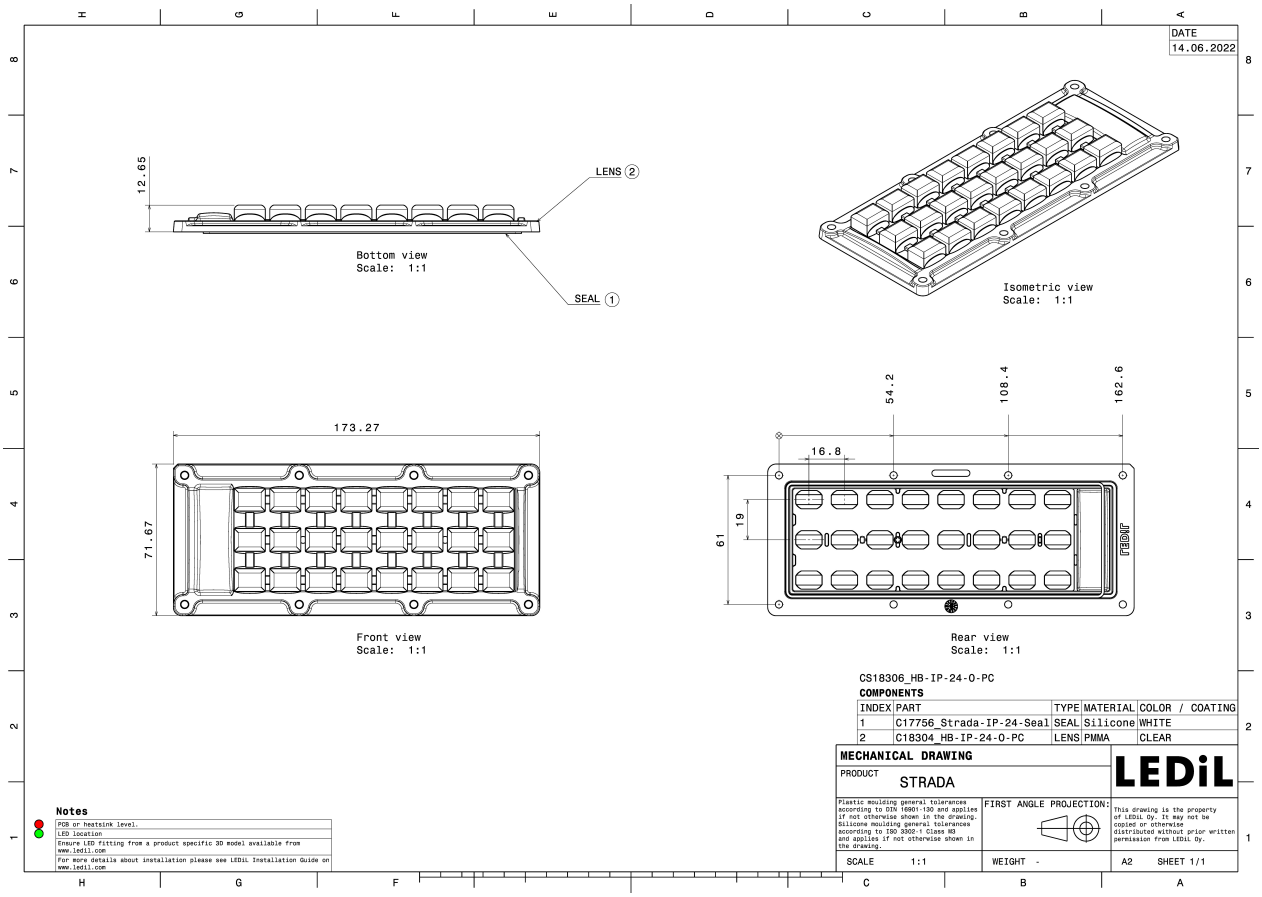
| Component | Type | Material | Colour | Finish | Length (mm) |
|---|---|---|---|---|---|
| HB-IP-24-O-PC | Multi-lens | PC | clear | | |
| STRADA-IP-24-SEAL | Seal | Silicone | white | | |

## ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|
| CS18306_HB-IP-24-O-PC<br>» Box size: 476 x 273 x 247 mm | 108 | 108 | 36 | 8.5 |


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


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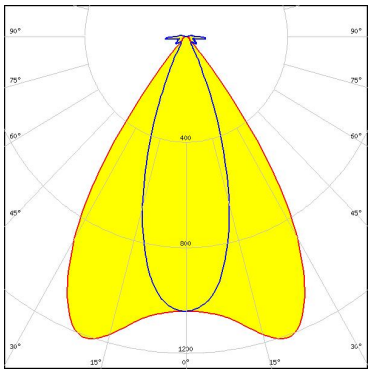
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## OPTICAL RESULTS (MEASURED):

AUDAX ELECTRONICS

| | |
|---|---|
| LED | LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5 |
| FWHM / FWTM | 68.0 + 35.0° / 82.0 + 57.0° |
| Efficiency | 84 % |
| Peak intensity | 1.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



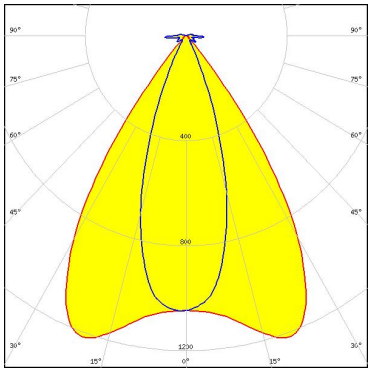


Light distribution files

LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 Square LES |
| FWHM / FWTM | 68.0 + 35.0° / 82.0 + 55.0° |
| Efficiency | 82 % |
| Peak intensity | 1.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



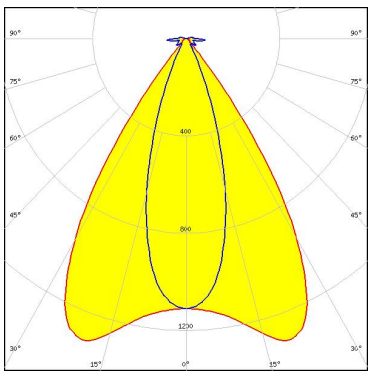


Light distribution files

LUMILEDS

| | |
|---|---|
| LED | LUXEON XR-5050 HE (L225-xxxx024MLU010) |
| FWHM / FWTM | 67.0 + 33.0° / 81.0 + 56.0° |
| Efficiency | 86 % |
| Peak intensity | 1.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files


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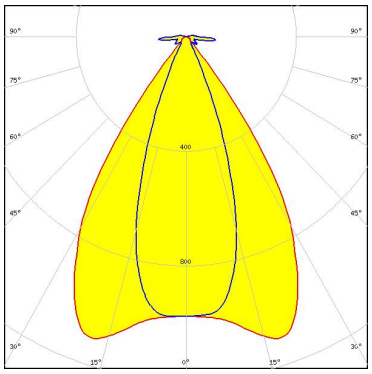
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## OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Duris S8 |
| FWHM / FWTM | 67.0 + 38.0° / 82.0 + 172.0° |
| Efficiency | 83 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



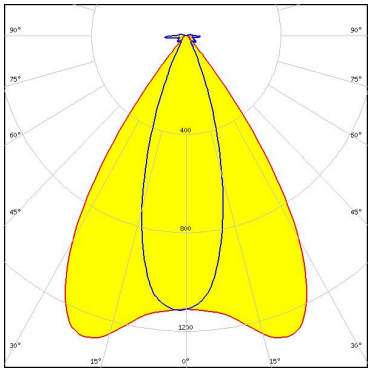


Light distribution files

SAMSUNG

| | |
|---|---|
| LED | HiLOM RM24 ZP (LH502D) |
| FWHM / FWTM | 68.0 + 33.0° / 82.0 + 56.0° |
| Efficiency | 86 % |
| Peak intensity | 1.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files

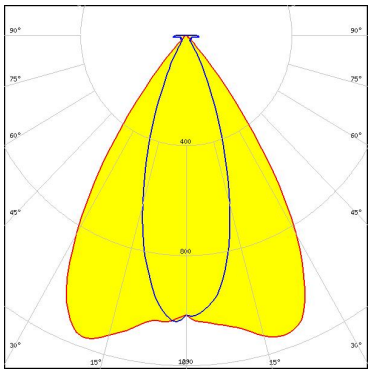

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## OPTICAL RESULTS (SIMULATED):

CREE LEDs

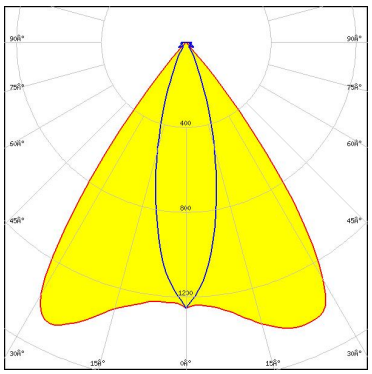
| | |
|---|---|
| LED | J Series 5050C 6V E Class |
| FWHM / FWTM | 68.0 + 34.0° / 84.0 + 60.0° |
| Efficiency | 80 % |
| Peak intensity | 1.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

CREE LEDs

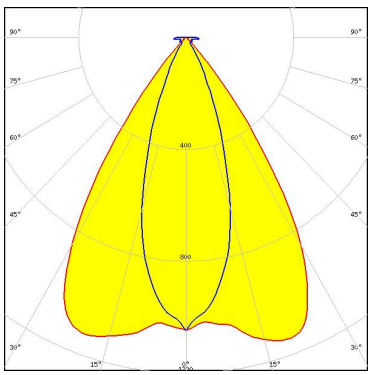
| | |
|---|---|
| LED | XP-G4 HI |
| FWHM / FWTM | 70.0 + 26.0° / 82.0 + 50.0° |
| Efficiency | 81 % |
| Peak intensity | 1.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 HE |
| FWHM / FWTM | 68.0 + 34.0° / 85.0 + 60.0° |
| Efficiency | 80 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

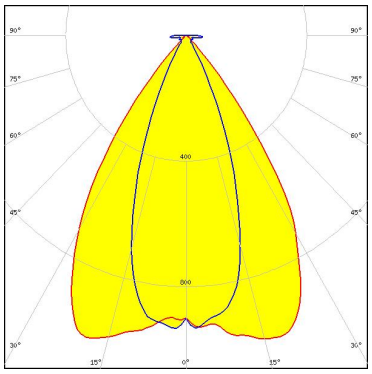

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## OPTICAL RESULTS (SIMULATED):

MST Your solutions

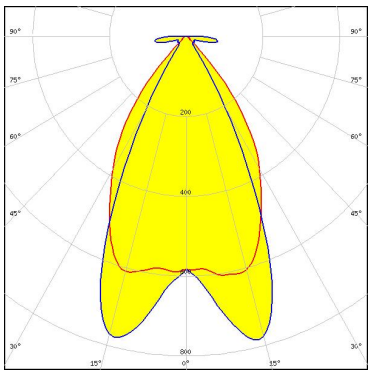
| | |
|---|---|
| LED | RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2 |
| FWHM / FWTM | 69.0 + 40.0° / 86.0 + 62.0° |
| Efficiency | 80 % |
| Peak intensity | 1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

NICHIA

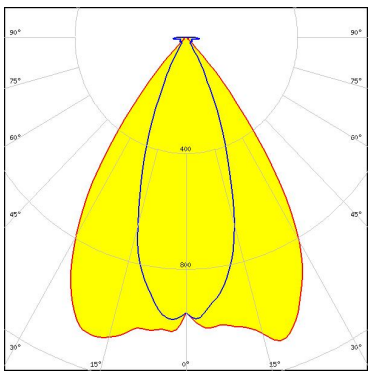
| | |
|---|---|
| LED | NF2x757G |
| FWHM / FWTM | 68.0 + 52.0° / 90.0 + 168.0° |
| Efficiency | 75 % |
| Peak intensity | 0.8 cd/lm |
| LEDs/each optic | 4 |
| Light colour/type | White |
| Required components: | |



Light distribution files

NICHIA

| | |
|---|---|
| LED | NFMW48xA |
| FWHM / FWTM | 70.0 + 38.0° / 86.0 + 61.0° |
| Efficiency | 81 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

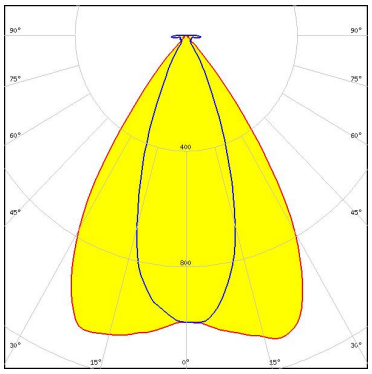

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## OPTICAL RESULTS (SIMULATED):

SAMSUNG

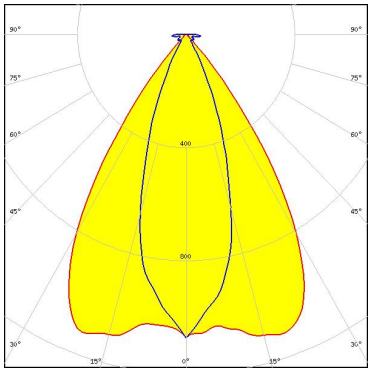
| | |
|---|---|
| LED | HiLOM RM24 ZP (LH502C) |
| FWHM / FWTM | 68.0 + 38.0° / 84.0 + 60.0° |
| Efficiency | 80 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

SAMSUNG

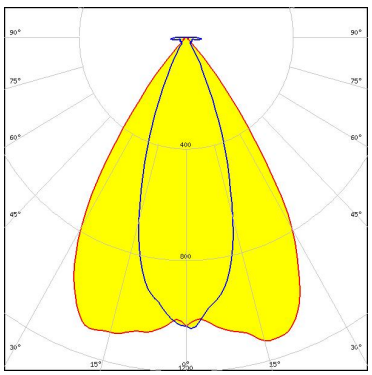
| | |
|---|---|
| LED | LH502D |
| FWHM / FWTM | 68.0 + 34.0° / 85.0 + 60.0° |
| Efficiency | 80 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

SAMSUNG

| | |
|---|---|
| LED | LH508C |
| FWHM / FWTM | 66.0 + 36.0° / 84.0 + 58.0° |
| Efficiency | 80 % |
| Peak intensity | 1.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



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## 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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