

PRODUCT DATASHEET CS18306_HB-IP-24-O-PC

HB-IP-24-O-PC

 ${\sim}40^\circ$ + 75° oval beam for aisle lighting. Variant made from PC.

SPECIFICATION:

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



MATERIALS:

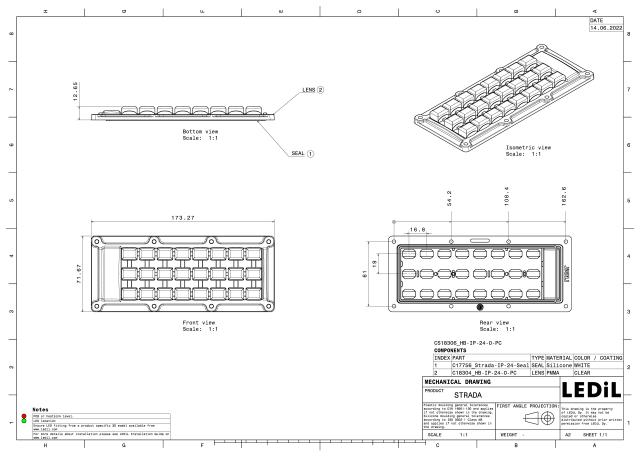
| Component | Туре | Material | Colour | Finish |
|-------------------|------------|----------|--------|--------|
| HB-IP-24-O-PC | Multi-lens | PC | clear | |
| STRADA-IP-24-SEAL | Seal | Silicone | white | |

ORDERING INFORMATION:

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

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



OPTICAL RESULTS (MEASURED):

| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5 68.0 + 35.0° / 82.0 + 57.0° 84 % 1.2 cd/lm 1 White | 25 25 25 25 25 25 25 25 25 25 |
|---|---|--|
| | EDS | 90* 90 |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON 5050 Square LES 68.0 + 35.0° / 82.0 + 55.0° 82 % 1.2 cd/lm 1 White | 5. 15. 15. 15. 15. 15. 15. 15. 1 |
| | | 15° 0° 15° |
| UMIL | .EDS | 90* 90' |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | LUXEON XR-5050 HE (L225-xxxx024MLU010) 67.0 + 33.0° / 81.0 + 56.0° 86 % 1.3 cd/lm 1 White ents: | |
| OSRAM Opto Semiconductors | | 90* 90' |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone | Duris S8 67.0 + 38.0° / 82.0 + 172.0° 83 % 1.1 cd/lm 1 White ents: | 60. 60. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1 |



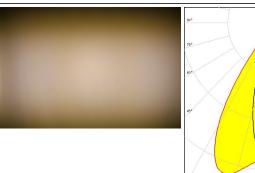
OPTICAL RESULTS (MEASURED):

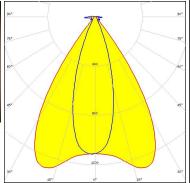
SAMSUNG

| | =D | |
|----|----|----|
| F١ | Wł | ٩N |

M / FWTM Efficiency Peak intensity LEDs/each optic 1 Light colour Required components:

HiLOM RM24 ZP (LH502D) 68.0 + 33.0° / 82.0 + 56.0° 86 % 1.3 cd/lm White







OPTICAL RESULTS (SIMULATED):

| CREE (LED) LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | J Series 5050C 6V E Class 68.0 + 34.0° / 84.0 + 60.0° 80 % 1.2 cd/lm 1 White | 51 ⁴ 51 ⁴ 61 ⁴ 61 ⁴ 61 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 61 ⁴ 60 ⁴ 61 ⁴ 6 |
|---|---|---|
| | DS | 90* 90* |
| LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LUXEON 5050 HE 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White | 77 60* 60* 60* 60* 60* 60* 60* 60* 60* 60* |
| Vour solutions LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2 69.0 + 40.0° / 86.0 + 62.0° 80 % 1 cd/lm 1 White | 91* 72 60* 60* 60* 60* 60* 60* 60* 60* 60* 60* |
| ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | NF2x757G 68.0 + 52.0° / 90.0 + 168.0° 75 % 0.8 cd/lm 4 White | 50° 50° 50° 50° 50° 50° 50° 50° 50° 50° |



OPTICAL RESULTS (SIMULATED):

| PNHM / FVITM 70 4 38.0* / 86.0 + 61.0* Efficiency 61 % Reak intensity 1.1 cd/m LEDs/aceh optic 1 LEDs/aceh optic 1 LEDs/aceh optic 1 LEDs/aceh optic 1 Light colour White Required components: SAMSUNC LED Intervent 1 Light colour White | | | |
|--|---|---|--|
| PNHM / PVTM 70 + 38.0° / 86.0 + 61.0° Efficiency 91 % Pack intensity 1.1 colim LED reach optic 1 Lib view of the start of the sta | ΜΝΙCΗΙΛ | | 90° 90° |
| Efficiency 81% Preak intensity 1.1 cd/m LED/each optic SAMSUNG LED HILOM RM24 ZP (LH502C) FWHM / FWTM 680 + 380' / 64.0 + 60.0° Efficiency 80 % Preak intensity 1.1 cd/m LED/each optic 1 LED/each optic 1 | LED | NFMW48xA | |
| Peak intensity 1.1 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 2 SAMSUNG LED HLLOM RM24 ZP (LH502C) FWHM / FWTM 68.0 + 38.0° / 84.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LEDs/each optic 1 Light colour White Required components: SAMSUNG Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LEDS and optic 1 Light colour White Required components: SAMSUNG LEDS and optic 1 Light colour White Required components: | FWHM / FWTM | 70.0 + 38.0° / 86.0 + 61.0° | 73* |
| Peak intensity 1.1 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 2 SAMSUNG LED HLLOM RM24 ZP (LH502C) FWHM / FWTM 68.0 + 38.0° / 84.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LEDs/each optic 1 Light colour White Required components: SAMSUNG Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LEDS and optic 1 Light colour White Required components: SAMSUNG LEDS and optic 1 Light colour White Required components: | Efficiency | 81 % | |
| LEDPised polic 1 Light colour White Required components: SAMSUNG LED HILOM RM24 ZP (LH502C) EVMM / FVTM 66.0 + 38.0° / 84.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDPised polic 1 LEDPised pol | | 1.1 cd/lm | 60° |
| Light colour White Required components: SAMSUNG LED HLOM RM24 ZP (LH502C) FWHM / FVTM 68.0 + 38.0° / 84.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH502D FWHM / FVTM 68.0 + 34.0° / 85.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH502D FWHM / FVTM 68.0 + 36.0° / 85.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 LEDseach optic 1 LEDsea | | | |
| Required components: SAMSUNC LED HLCM RM24 ZP (LH502C) FWM4 / FWTM 68.0 + 38.0 '' / 4.0 + 60.0' Efficiency 80 % Peak intensity 1.1 cd/m LED2/each optic 1 LED2/each optic 1 LED2/each optic 1 LED2 LH502D FWM6 / FWTM 68.0 + 34.0 ' / 85.0 + 60.0' Efficiency 80 % Peak intensity 1.1 cd/m LED2/each optic 1 LED2/each optic 1 LED3/each optic 1 LED3/each optic 1 LED4/FWTM 66.0 + 36.0' / 84.0 + 58.0' Efficiency 90 % Peak intensity 1.1 cd/m LED3/each optic 1 LED3/each optic 1 LED4/each optic 1 LED4/each optic 1 LED5/each optic | | | g* |
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| LED HILOM RM24 ZP (LH502C) FWHM / FWTM 68.0 + 38.0 ° / 84.0 + 60.0° Ffliciency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White Required components: SAMS SUNG LED LH502D FWHM / FWTM 68.0 + 34.0 ° / 85.0 + 60.0° Ffliciency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 LED White Required components: SAMS SUNG LED LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LED / LH502C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % | | | |
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| Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNC 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 White Required components: SAMSUNC LED LH508C FWHM / FWTM 66.0 + 36.0 * / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 LIDS/each optic 1 | | | 75. |
| Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: 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 White Required components: 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 White Required components: | | | |
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| 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 White Required components: 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 White | | | |
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| FWHM / FWTM 68.0 + 34.0° / 85.0 + 60.0° Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component State Sta | | | |
| Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNS 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 White | SVWSAV | IG | 90* 90* |
| Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: 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 White | | | 9)* 71 |
| LEDs/each optic 1 Light colour White Required components: 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 White | | LH502D | 9° 9° 9° 9° |
| Light colour Required components: White Required components: White 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 White white | LED | LH502D 68.0 + 34.0° / 85.0 + 60.0° | 99° 99° 99° 99° 99° 99° 99° 99° 99° 99° |
| Required components: | LED FWHM / FWTM | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % | 90* 90* 75* 72* 69* 60* |
| SAMSUNG LED LH508C FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/m LEDs/each optic 1 Light colour White | LED FWHM / FWTM Efficiency | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm | 64 60 64 F |
| 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 White | LED FWHM / FWTM Efficiency Peak intensity | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 | 51 |
| 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 White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 | 5° 5° 5° 5° 5° |
| 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 White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 | 60 60 90 90 |
| 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 White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 | 99" 99" 99" 99" 90" 800 800 800 |
| 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 White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 | 5° 5° 5° 6° 6° 60 60 6° 6° 6° 6° 6° 6° |
| FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White | |
| FWHM / FWTM 66.0 + 36.0° / 84.0 + 58.0° Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White | |
| Efficiency 80 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White | 20° |
| Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White | 20° |
| LEDs/each optic 1 Light colour White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White I LH508C 66.0 + 36.0° / 84.0 + 58.0° | 20° |
| Light colour White | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White I LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % | 20° |
| | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White I LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % 1.1 cd/lm | 20° |
| | LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % 1.1 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 | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % 1.1 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 | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % 1.1 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 | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % 1.1 cd/lm 1 | |
| 20° 30° 30° | 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 | LH502D 68.0 + 34.0° / 85.0 + 60.0° 80 % 1.1 cd/lm 1 White LH508C 66.0 + 36.0° / 84.0 + 58.0° 80 % 1.1 cd/lm 1 | |



PRODUCT DATASHEET CS18306_HB-IP-24-O-PC

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:

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