# HB-IP-2X6-WWW-PC

**~100° wide beam. Variant made from PC.**




## SPECIFICATION:

| | |
|---|---|
| Dimensions | 71.4 x 173.0 |
| Height | 11.4 mm |
| Fastening | screw |
| Ingress protection classes | IP67 |
| ROHS compliant | yes |

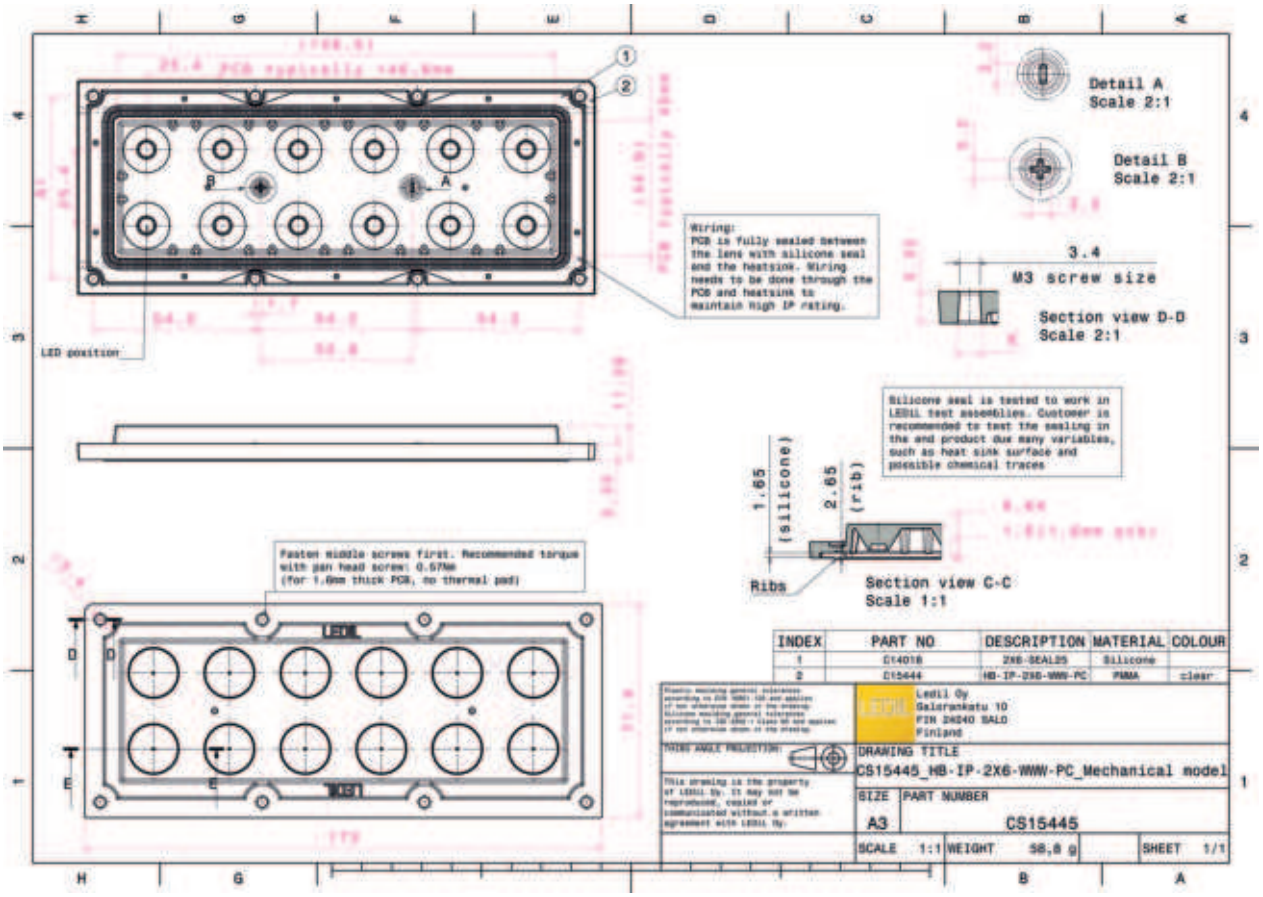
## MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|---|---|---|---|---|---|
| HB-IP-2X6-WWW-PC | Multi-lens | PC | clear | | |
| 2X6-SEAL25 | Seal | Silicone | white | | |

## ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| CS15445_HB-IP-2X6-WWW-PC<br>» Box size: 476 x 273 x 247 mm | Multi-lens | 120 | 40 | 40 | 8.5 |


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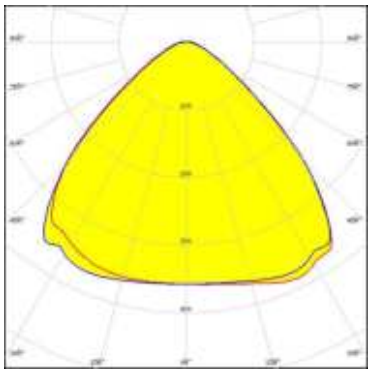

See also our general installation guide: [www.ledil.com/installation_guide](www.ledil.com/installation_guide)


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## OPTICAL RESULTS (MEASURED):

| | |
|---|---|
| LED | QUICK FLUX 2x6 LED XG xxx G7+ |
| FWHM / FWTM | 96.0° / 132.0° |
| Efficiency | 94 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

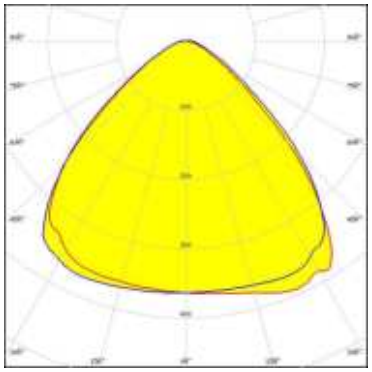




Light distribution files

| | |
|---|---|
| LED | QUICK FLUX 2x6 LED XT xxx G5 |
| FWHM / FWTM | 96.0° / 131.0° |
| Efficiency | 93 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

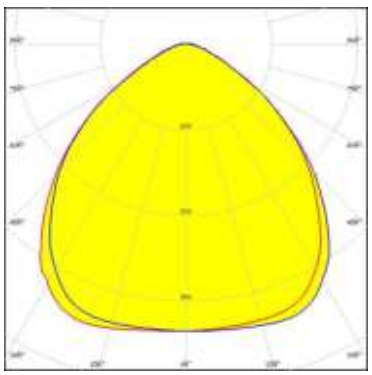




Light distribution files

| | |
|---|---|
| LED | XP-G2 |
| FWHM / FWTM | 101.0° / 142.0° |
| Efficiency | 85 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files

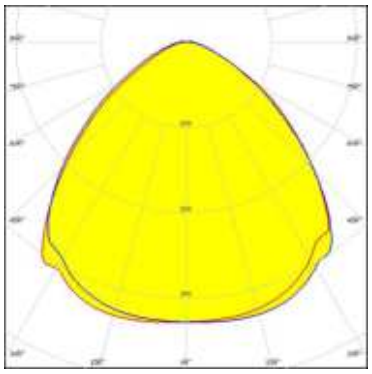

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## OPTICAL RESULTS (MEASURED):

CREE LEDs

| | |
|---|---|
| LED | XP-L2 |
| FWHM / FWTM | 99.0° / 142.0° |
| Efficiency | 84 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



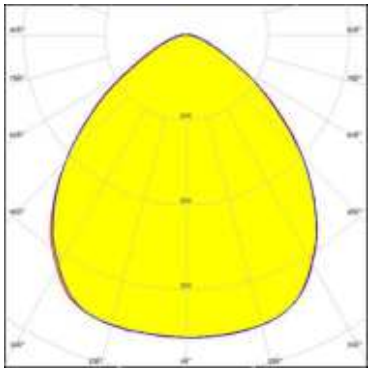


Light distribution files

CREE LEDs

| | |
|---|---|
| LED | XT-E |
| FWHM / FWTM | 97.0° / 140.0° |
| Efficiency | 85 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



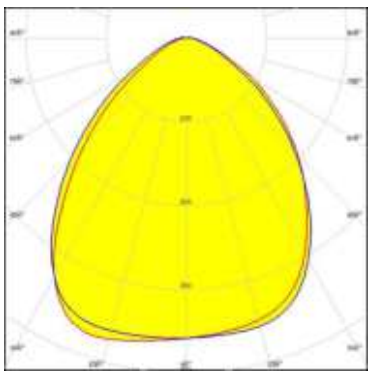


Light distribution files

CREE LEDs

| | |
|---|---|
| LED | XT-E HE |
| FWHM / FWTM | 92.0° / 136.0° |
| Efficiency | 84 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files

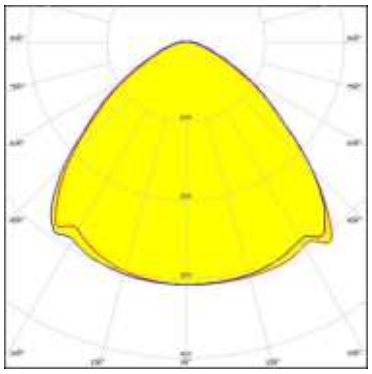

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## OPTICAL RESULTS (MEASURED):

NICHIA

| | |
|---|---|
| LED | NVSW519A |
| FWHM / FWTM | 102.0° / 145.0° |
| Efficiency | 84 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



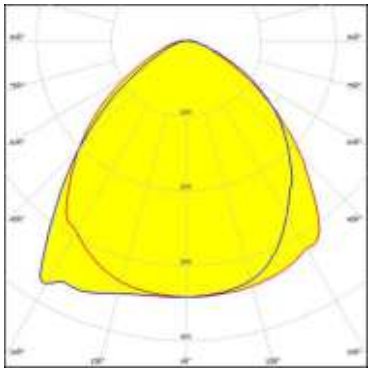


Light distribution files

SAMSUNG

| | |
|---|---|
| LED | HiLOM RH12 (LH351C) |
| FWHM / FWTM | 95.0° / 140.0° |
| Efficiency | 83 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



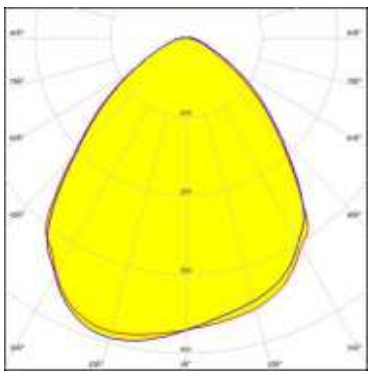


Light distribution files

SAMSUNG

| | |
|---|---|
| LED | HiLOM RM12 ZP (LH502C) |
| FWHM / FWTM | 89.0° / 135.0° |
| Efficiency | 86 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files

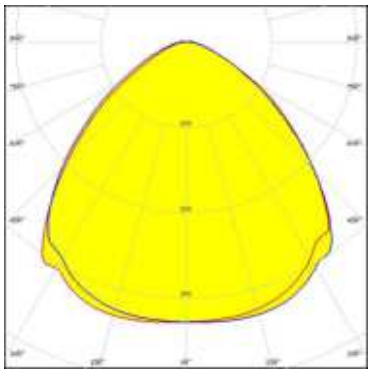

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## OPTICAL RESULTS (MEASURED):

SCIOLUX

| | |
|---|---|
| LED | ROY-S26XPL2 (XP-L2) |
| FWHM / FWTM | 99.0° / 142.0° |
| Efficiency | 84 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



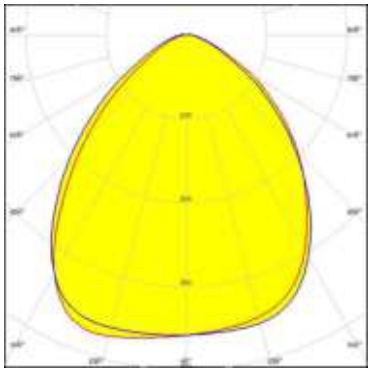


Light distribution files

SCIOLUX

| | |
|---|---|
| LED | XLE-S22C4XTEHE (XT-E HE) |
| FWHM / FWTM | 92.0° / 136.0° |
| Efficiency | 84 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





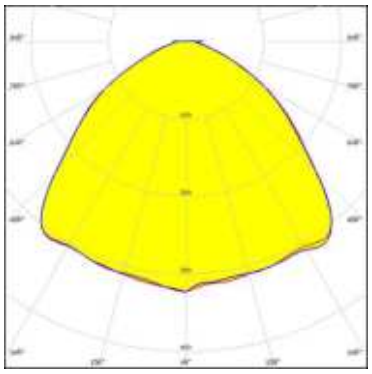
Light distribution files


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## OPTICAL RESULTS (SIMULATED):

CREE LEDs

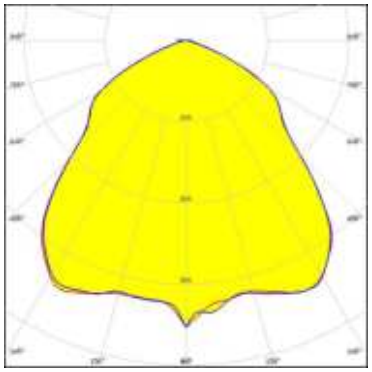
| | |
|---|---|
| LED | XP-G2 HE |
| FWHM / FWTM | 108.0° / 150.0° |
| Efficiency | 91 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

inventronics

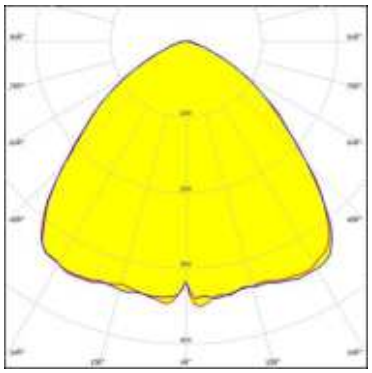
| | |
|---|---|
| LED | PrevaLED Brick HP IP 2x6 |
| FWHM / FWTM | 94.0° / 140.0° |
| Efficiency | 88 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

LUMILEDS

| | |
|---|---|
| LED | LUXEON 5050 Square LES |
| FWHM / FWTM | 100.0° / 138.0° |
| Efficiency | 88 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



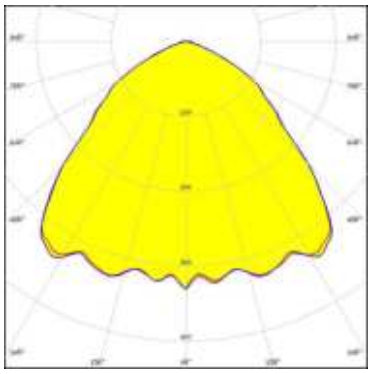
Light distribution files


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## OPTICAL RESULTS (SIMULATED):

NICHIA

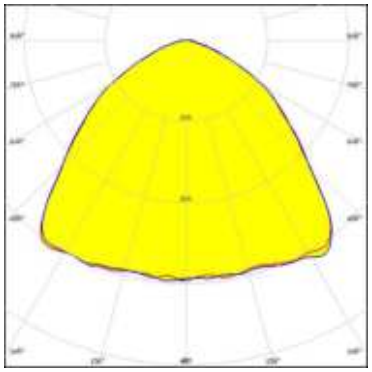
| | |
|---|---|
| LED | NV4WB35AM |
| FWHM / FWTM | 99.0° / 139.0° |
| Efficiency | 88 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

NICHIA

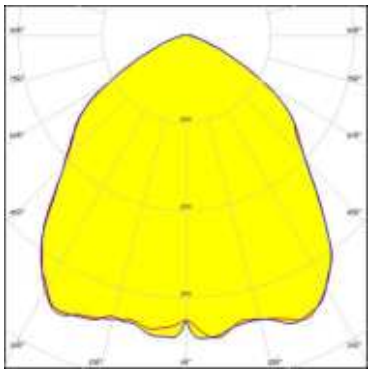
| | |
|---|---|
| LED | NVSW219F |
| FWHM / FWTM | 105.0° / 145.0° |
| Efficiency | 85 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

OSRAM

| | |
|---|---|
| LED | OSCONIQ P 3737 (2W version) |
| FWHM / FWTM | 99.0° / 140.0° |
| Efficiency | 88 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



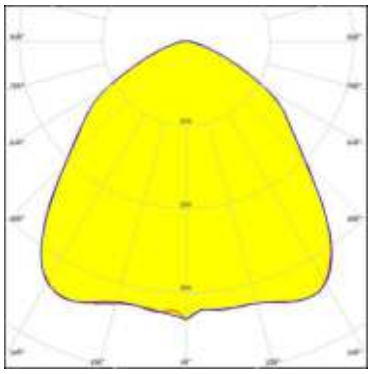
Light distribution files


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## OPTICAL RESULTS (SIMULATED):

OSRAM

| | |
|---|---|
| LED | OSLON Square CSSRM2/CSSRM3 |
| FWHM / FWTM | 98.0° / 143.0° |
| Efficiency | 88 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

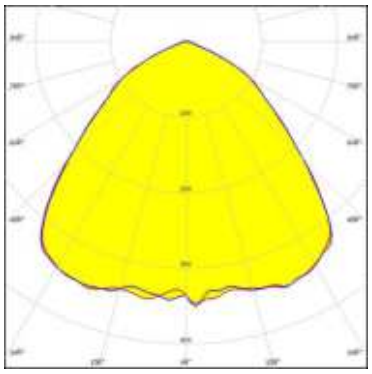
OSRAM

| | |
|---|---|
| LED | OSLON Square CSSRM2/CSSRM3 |
| FWHM / FWTM | 94.0° / 140.0° |
| Efficiency | 88 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

SAMSUNG

| | |
|---|---|
| LED | LH502D |
| FWHM / FWTM | 98.0° / 136.0° |
| Efficiency | 88 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

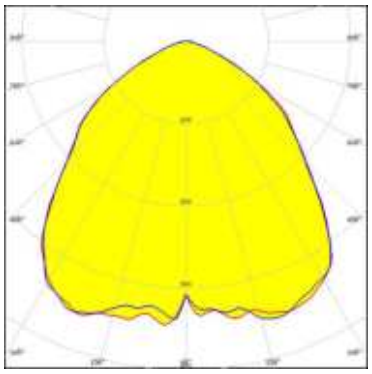


Light distribution files


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## OPTICAL RESULTS (SIMULATED):

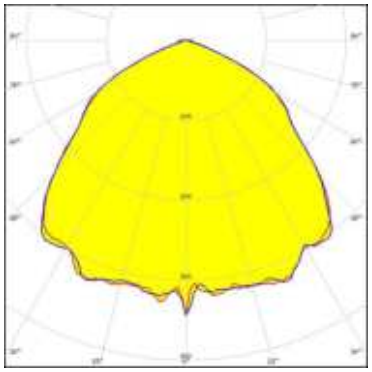
| | |
|---|---|
| LED | Z5M4 |
| FWHM / FWTM | 98.0° / 138.0° |
| Efficiency | 88 % |
| Peak intensity | 0.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

| | |
|---|---|
| LED | Z5M4-E1 |
| FWHM / FWTM | 102.0° / 140.0 + 138.0° |
| Efficiency | 88 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

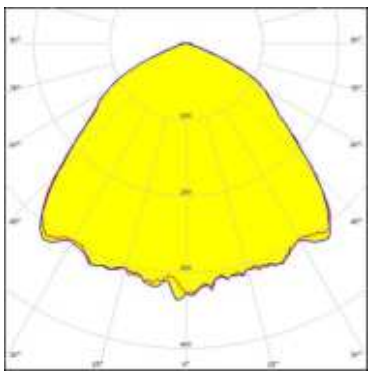




Light distribution files

| | |
|---|---|
| LED | Z5M4-E2 |
| FWHM / FWTM | 103.0 + 102.0° / 140.0 + 138.0° |
| Efficiency | 88 % |
| Peak intensity | 0.3 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:

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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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