



MATRIX

APPLICATIONS

The modules of the Matrix series originate from the idea that the white light array is the basic element in creating backlighting solutions in which reduced thickness is necessary. The widely diffused light emission allows to obtain a uniform spread over the entire surface onto which light is projected at a distance of just 40 mm. Thanks to its sectionable mechanics designed to maintain the LED module in both directions, Matrix is a highly versatile product that makes any composition possible. Typically, this product is used to create ceilings, walls or floors, backlit to achieve surprising effects. Matrix can also create animated low resolution graphics.

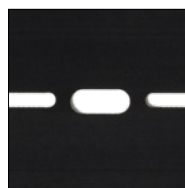


FEATURES

- Very diffused emission = optimal light uniformity
- Highly flexible thanks to the sectionable mechanics
- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- Fast connection in a row
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Connector



Divisible

SPECIFICATIONS

Performance

| | |
|------------------------------|--|
| LED type | Mid power |
| LED nr. and model | 36 x Seoul 5630 |
| Total lumen output (at 85°C) | Up to 750 lm |
| Colour temperature | 2700 - 3000 - 4000 - 5500 K |
| Binning | 2 step ellipse MacAdam |
| CRI | >90 (2700 - 3000 K), >80 (4000 - 5500 K) |
| Other colours | On request |

Electrical

| | |
|---------------------------|------------------------------------|
| Supply type | Constant voltage |
| Supply value | 24 Vdc |
| Maximum power consumption | 8 W/cad. (128 W/sqm) |
| Connection | Quick connector and release button |

Physical

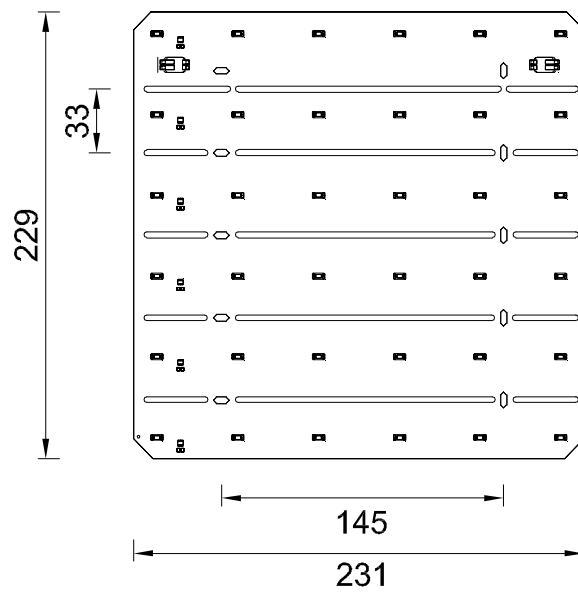
| | |
|-----------------------------|-----------------------------------|
| Body material | Double-sided copper fibreglass |
| Body finish | Anti-reflex black screen printing |
| Optic material | n.a. |
| Optic type | n.a. |
| Screen material | n.a. |
| Dissipation | Passive |
| Protection rating | IP20 |
| Class | III |
| Weight | 0,1 Kg/cad. |
| Dimensions | See technical drawing |
| Operating temperature range | -25 / +70 °C |
| MTBF (LM80) | 50.000 hrs |
| Mounting | Any position |

HOW TO ORDER

| Model ▼ | Modules nr. ▼ | LED model ▼ | Colour ▼ |
|------------|---|-----------------|---|
| MTX | 06 | 5630 | K27 |
| MTX Matrix | 01 1 module 02 2 modules 03 3 modules 04 4 modules 05 5 modules 06 6 modules | 5630 Seoul 5630 | K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K |

Order code example: **MTX-02065630-K27**

TECHNICAL DRAWING



ACCESSORIES

Cables

2 poles connecting patch, L=10 cm

CMP00625

2 poles connecting patch, L=40 cm

CMP00626

2 poles connecting patch, L=100 cm

CMP00627

Mounting kit

4 pcs. metal spacers and screw set

CMP00637