

# ) omniSHAPES

EYEVIS MICROLINE



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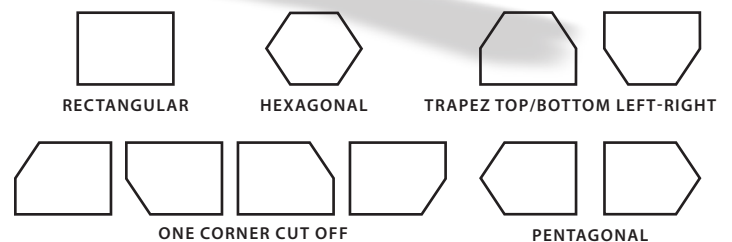
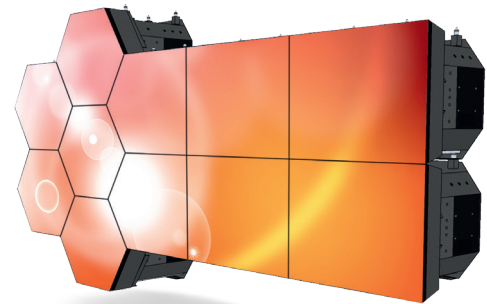
VERSATILE LED-LIT DLP® REAR-PROJECTION UNITS



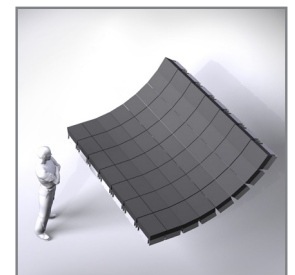
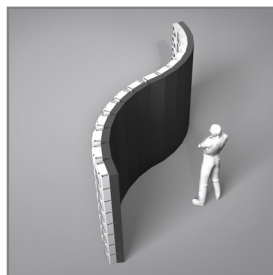
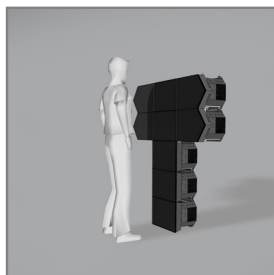
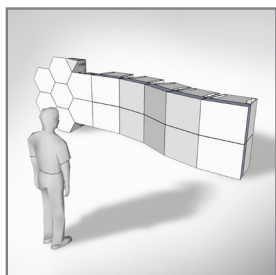
### ) PRODUCT DESCRIPTION

The new small display cubes omniSHAPES represent a step forward in digital display evolution. For the first time it is possible to have not only rectangular displays, but also polygonal screens of almost any shape. The funnel shaped design of the housings further allows realizing curved screens in concave or convex configuration. There are virtually no more limits regarding video wall design or shape.

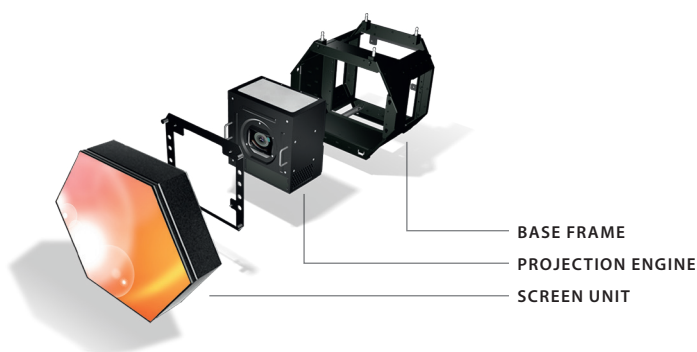
omniSHAPES are based on a 1-Chip DLP® projection engine with LED technology, combined with a robust metal frame unit which interfaces with adjacent frames and the screen unit. The modular concept of the product comprises three components: the projection screen, the base frame and the projection engine. This provides great flexibility, allowing a choice of base frames and projection screens in different shapes and sizes to be used with the standard projection engine which also provides automatic colour and brightness adjustment. Each „shape“ is equipped with an internal processing unit, negating the need for external picture processing devices.



### ) POSSIBLE CONFIGURATIONS



### ) MODULAR DESIGN



### ) THE ADVANTAGES AT A GLANCE

- Pin-sharp images even when viewed from short distances
- Rectangular shapes, six sided shapes, five sided shapes, and customized shapes on request
- Concave, straight or convex arrangements
- DVI loop through, Input: DVI Single Link up to 2K resolution
- Internal Processing, no external device required
- Automatic colour tracking for long term colour and brightness stability
- Building block architecture: Projector unit is independent and can easily be dismantled from the product to the rear or the front
- LED: individual LEDs for RGB guarantee best colour gamut
- LED powered: more than 60.000 hours durability

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### ) TECHNICAL SPECIFICATIONS

#### DISPLAY PROPERTIES

Brightness:	typ. 530cd/m <sup>2</sup> @ 6500K (calibrated system with CP Screen), max. 650cd/m <sup>2</sup>
Colour Temperature:	2800K to 15000K
Colour Space:	Wide (120% NTSC) / Normal (sRGB) / High Brightness
Contrast:	typ. 800:1 (static full on/full off)
Resolution:	native: 1280x800 pixel, effective screen resolution (rectangular 4:3 SHAPE): 1024x768 pixel
Pixel Pitch:	0.469 x 0.469mm
Screen:	ISE, CP or BB Screen ( <b>I</b> mproved <b>S</b> creen <b>E</b> lement: uniform brightness and viewing angles, <b>C</b> ross <b>P</b> rism: higher brightness, <b>B</b> lack <b>B</b> ead: better viewing angle)
Mullion (gap distance):	typ. 0.8mm (+0.5 / -0.1) between adjacent omniSHAPES: typical at 25°C (77°F) ambient
LED Life-time:	≥60,000 hours (time till 50% brightness)

#### ENVIRONMENTAL

Operating Conditions:	Temperature: recommended 15 - 25 °C; 5 - 35 °C; for seamless screen 15 - 28 °C Humidity: 0% - 80 % not condensating
Storing:	0 - 50 °C
Thermal Load:	approx. 200BTU/h (typical), approx. 270BTU/h (all full brightness)
Noise Level:	typ. ≤30dBA

#### COMMUNICATION

Connection:	RS232 or LAN
Loop-through:	RS232 loop-through for inter-connectivity
Software:	eyeDesign Software for management and adjustment (offline design also possible)

#### INPUT SIGNAL

Type:	Single Link DVI-D input and loop-through. Resolution up to 2K (2048x1200@60Hz)
Frame Rate:	48Hz to 75Hz (depending on resolution), 120 Hz for active-stereo (3D)
Matrix/Tiling:	Internal scaling and image mapping. No external controller is needed.

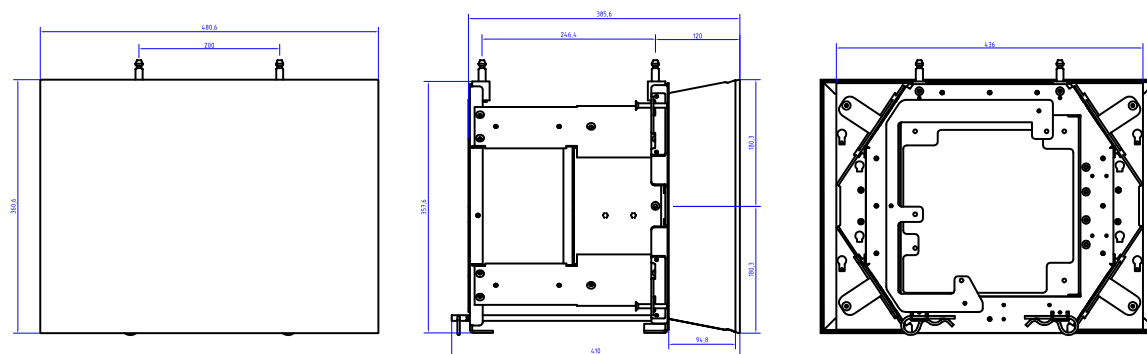
#### ELECTRICAL

Power Supply:	AC 110V/220V, 50Hz/60Hz
Power Consumption:	58W (typ., i.e. adjusted system @ 70% brightness), 80W (max.; i.e. adjusted system @ full brightness)

#### MECHANICAL

Screen Dimensions:	Rectangular (4:3): 480mm x 360mm (23.6" diagonal)
Required Space:	Minimum installation depth 550mm (entire unit + required space for ventilation)
Weight:	12.9 kg (without cable and connection parts)

### ) DIMENSIONS



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