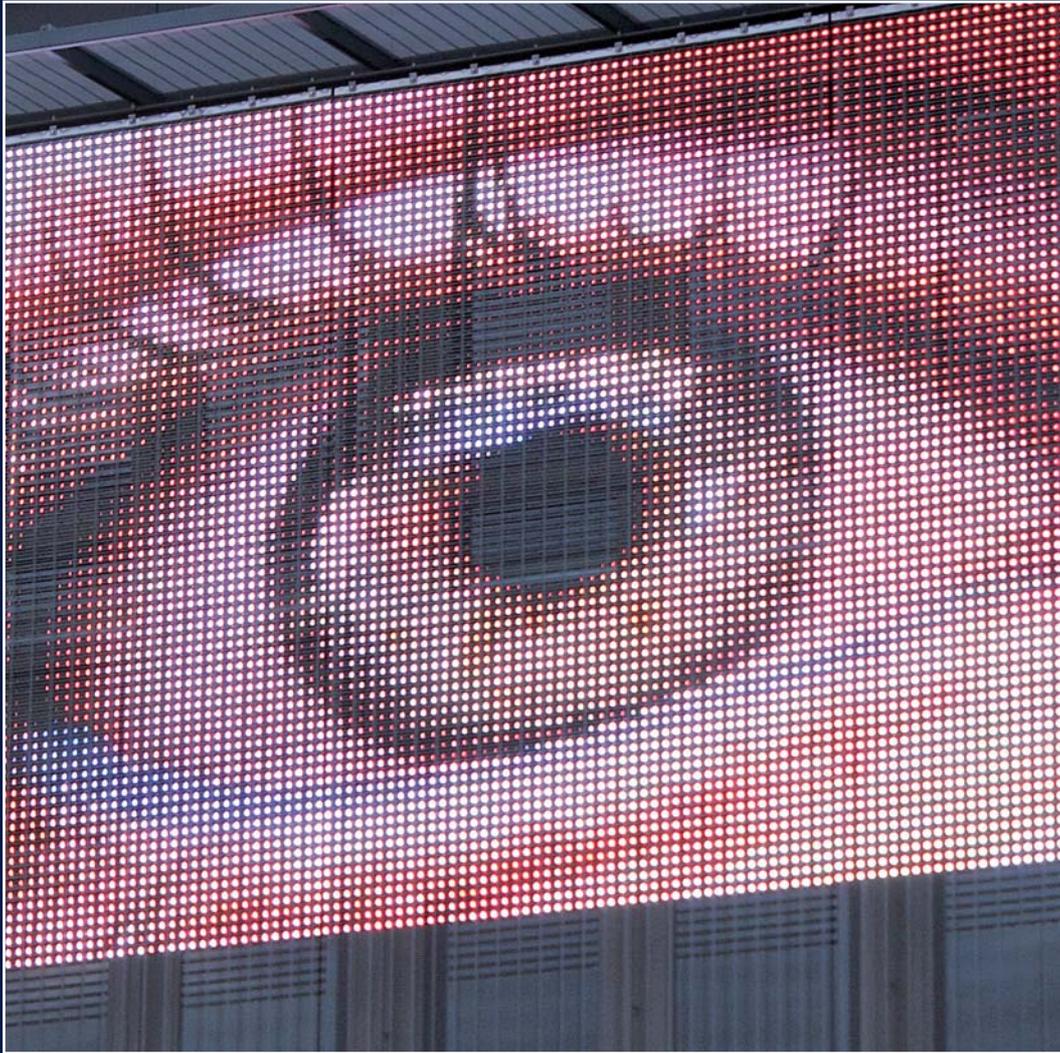


HAYER & BOECKER



DIE DRAHTWEBER



IMAGIC WEAVE®
TRANSPARENT MEDIA FAÇADES

HAYER & BOECKER

TRANSPARENT MEDIA FAÇADES

IMAGIC WEAVE®, a combination of Haver & Boecker architectural wire mesh and Traxon LED Technologies, enables to create individually programmable lighting effects in any colours including video presentations on a new or existing façade.

DOGLA-TRIO 1030 is the type of mesh that has been specially developed for the IMAGIC WEAVE® system.

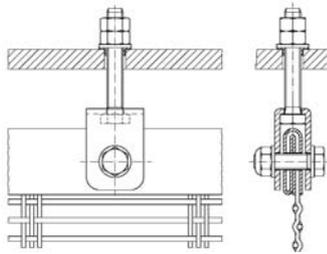
DOGLA-TRIO 1030

Weight G (kg/m ²)	Open Area A_o (%)
6.2	75 (without LEDs)
16.4	50 (with LEDs)

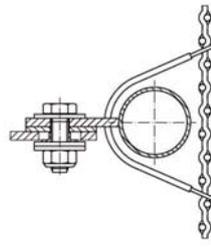


(representation in scale of 1:1)

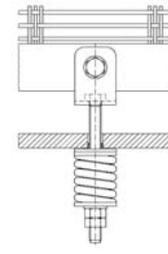
Standard Mounting System



Top mounting



Intermediate mounting



Bottom mounting

Attachment of LED-Profiles to the Mesh

By attaching the LED-profiles to the reverse side of the wire mesh the homogenous look of the façade is maintained at all times, even when the LEDs are not in use.

Advantages

- Easy to maintain
- Easy to retrofit

Material

- Housing profiles and clips: stainless steel AISI 316
- Moulding: double-layer silicone, weather and UV resistant



Top mounting with attached LED-profiles

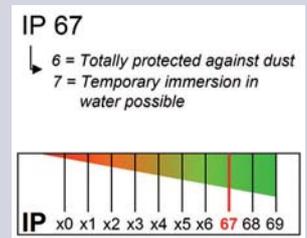
Technical Data

Each IMAGIC WEAVE® RGB Profile consists of a maximum of 48 high intensity Nichia LEDs in a linear row with a pitch of 62.5 mm. The LEDs are single dot controllable by DMX

or e:pix (DVI). TX Connect turns complex lighting and control scenarios into a simple-to-use Plug'n'Play daisy-chain system which then is connected back to the TRAXON TX

Connect power system in order to maximize the use of the power supplies and to limit the number of cables.

- Power Consumption: max. 128 Watt/m²
- Light source: High intensity Nichia SMD LEDs
- Colour range: 16.7 Million additive RGB colours
- Colour resolution: 3 x 14-bit (Gamma correction)
- Beam angle: horizontal 120°, vertical 84°
- Size per profile: max. length 2,980 mm (L) x 23 mm (W) x 13 mm (H)
- Housing profiles: stainless steel AISI 316
- Open area A_o (mesh + LED profiles): approx. 50 %
- Weight G (mesh + LED profiles): approx. 16.4 kg/m²
- LED pitch: 62.5 mm
- Power supply: 48 V indoor or outdoor
- Power / Data interface: TX CONNECT Smart
- Control: DMX or DVI
- Storage temperature: -40°C to +70°C
- Operating temperature: -30°C to +60°C
- Rating: Outdoor (IP67)



Video Server: DVI Media Server (VCS1)

The VCS1 is the new high end video control Server for Video replay on large DMX Matrix systems via pixel mapping or pure video output. The heavy industrial server housing together with a Windows XP professional operating system guarantees maximum stability.



Compared to the LCS1 lighting control server the VCS1 features a multi core CPU and the latest in high end 3D acceleration graphics technology. Data loss by hard disk crash is avoided with a redundant array of independent disks (RAID1 system). The emotion video software enables the video control



server to replay a high amount of video layers, pictures, scrolling or static texts, audio FX and the advanced manipulation of each layer. The emotion user frontend can be freely customized and arranged in a similar way like the action pad inside the lighting application suite.



System Setup (example power supply indoor)

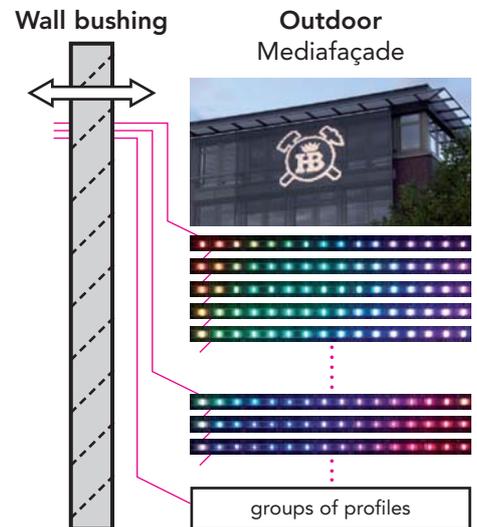
If the lead cables between the control room and the profiles in the façade are longer than 35 meters, additional small switch cases have to be installed to use thicker cables for longer distances to the control room.



Indoor
Control Room
(Air-condition required)

19 inch rack mountable

-  Video-Server (Content)
-  Video Converter
-  Power Supply
-  Power Supply





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