OXYGEN

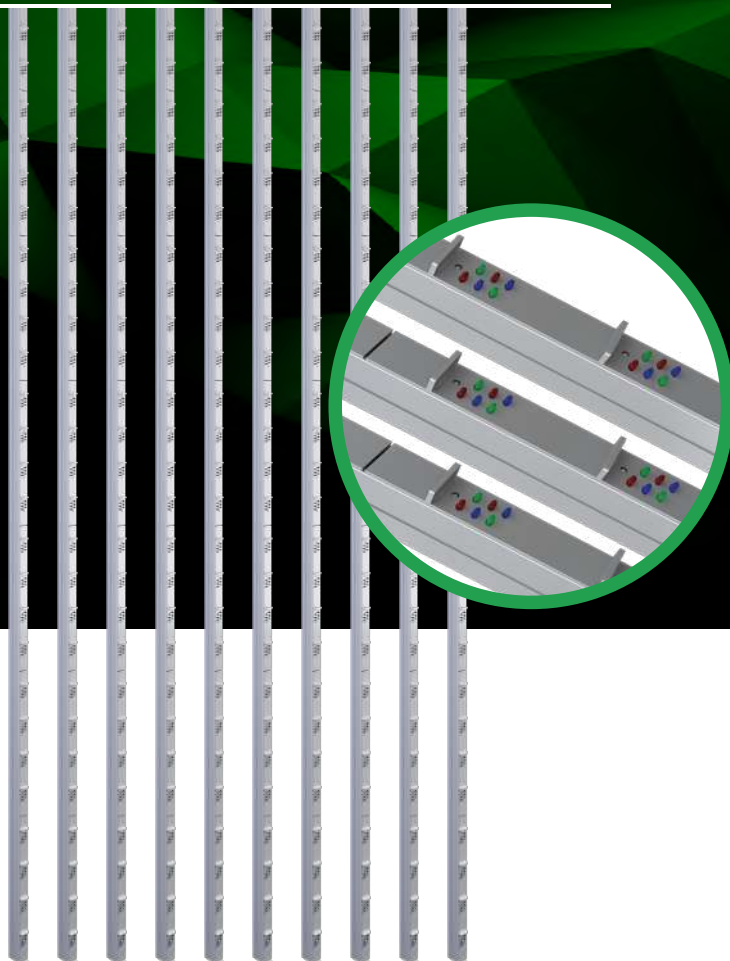## FIXED OUTDOOR LARGE SCALE LED DISPLAY

OVERVIEW

Commonly known as the "LED stripes", the OXYGEN has garnered high praises throughout Europe. With its 2R2G2B configuration and IP65, it's ideal for architectural projects. Highly visible both day and night thanks to its high brightness, this fixed LED display will make your next architectural project stand out and become a memorable icon of its district.

APPLICATION
Outdoor

INGRESS PROTECTION
IP65

PIXEL PITCH
P30.9 P61.8

DISPLAY AREA (W x H)
30 x 1980 mm

BRIGHTNESS
≤ 6000 NITS   (LED TYPE DIP)

WEIGHT
2 - 2.5 kg/cabinet

MATERIAL
**Profiled aluminum
+ painted mask**

MAINTENANCE
Front & back maintenance

FEATURES

609.6 x 304.8 x 63.5 mm

UV RESISTANT
ALUMINUM SHADER

FLEXIBLE PCB

FIRE RETARDANT LAYER

PROFILED ALUMINUM BODY
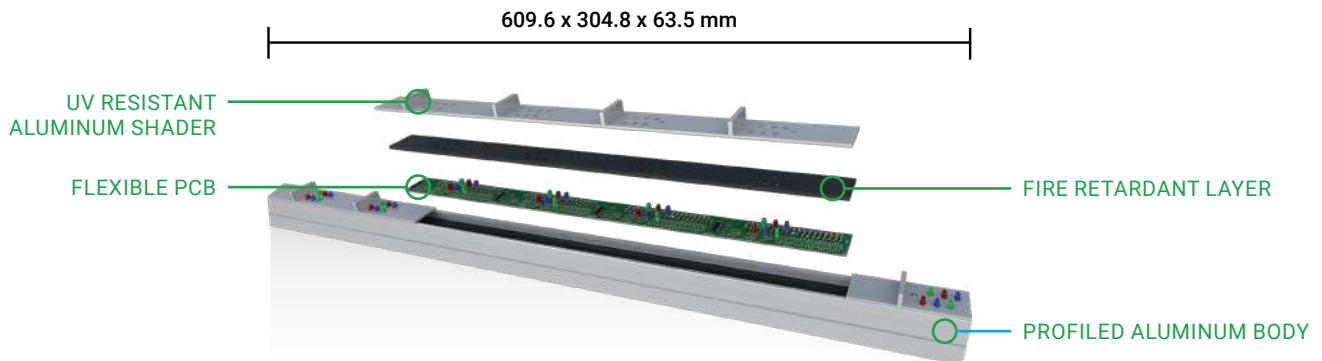
KEY FEATURES

One of the main features of the OXYGEN series is the customizable length of each LED stripe in order to fit any existing structure. The aluminum shader's color can also be changed to match your requirements. Sturdy and durable, the OXYGEN can also be curved in accordance with tailored LED projects. This product is lightweight, easy to maintain, and very cost-effective both in freight and in manpower required for its integration and maintenance.

2R2G2B DIP LEDS

BTB CONNECTORS

ARCHITECTURAL ENHANCEMENT

INTEGRATION

The integration of the OXYGEN can be done horizontally or vertically by only one technician due to its lightweight. The integration process requires a few preliminary steps for any architectural project: establishment of the structural plans, construction, or implementation of the support structure, integration of the OXYGEN LED stripes, power and data management, and finally testing of the LED display.

The world's 8th biggest led display in the world - Oxygen @ Tauron Arena Kraków (Facade) by Artixium in 2014

CURVATURE

Each OXYGEN LED stripe can be curved to 30°, meaning that only 12 stripes are required to create a full circle. This feature allows for numerous customized LED display projects and makes the OXYGEN the right product for your large-scale architectural LED display.

TECHNICAL SPECIFICATIONS

Product Parameters	Unit	OUTDOOR	
		30	60
Pixel Pitch	mm	30,94	61,88
LED		DIP Oval 3mm	
Application		Outdoor facade	
Ingress Protection	IP	IP65	
Brightness	cd/sqm	6000 Nits @5volts	
Color Temperature after calib (adjustable)	deg. K	6500	
Viewing Angle (50% brightness)	deg.	110(+/-55) H / 60 V	
Cabinet Size (WxHxD)	mm	30 x 1980 x 35	
Display area (WxH)	mm	30 x 1980	
Module Size (WxHxD)	mm	No module	
Pixel Matrix Per Cabinet (WxH)	px	1 x 64	1 x 32
Pixel Matrix Per Module (WxH)	px	No module	
Pixel Density	px/sqm	1045	261
Weight of a cabinet	kg	2.5	2
Cabinet Material		Profiled aluminum + painted mask (RAL optional)	
Maintenance Mode		Front and back (no tools required)	
Mask specification		Aluminum mask (RAL optional)	
Contrast Ratio		High	
Grey scale (linear)	bit	16	
Brightness control	bit	16	
Processing depth	bit	16	
Color		281 Trillions	
Display Refresh Rate	Hz	1920	
Operation Power	V	AC85-230V	
Max. Power Consumption	W/sqm	500	
Average Power Consumption	W/sqm	252	
Control Mode		Synchronization	
Video Frame Rate	Hz	50/60Hz	
Input Types Supported		DVI / SDI / HDMI	
3D ready (optional)		Yes	
Calibration		Yes	
Lifetime (50% brightness)	h	50000	
Operating Humidity Range		10-95%	
Operating Temperature Range		-10°C / +50°C	
Screen Uniformity Correction		-	
Certification		CE / ETL / CCC	
Available options		Aluminum mask (RAL option available)	
Compatibility		No	

TECHNICAL DRAWINGS

SECTION C-C

Waterproof ring

LED-dip346
Mask
PCB
Aluminum light tank
Cover

VET0510 breathable
film

✕ CONTACT

The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, making their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

ARTIXIUM FRANCHISES
"From your project's conception to its completion."

ARTIXIUM®
FRANCE
112 Avenue Franklin Roosevelt
69120 Vaulx-en-Velin
France

ARTIXIUM®
CHINA
Artixium Operational Center
518000 Shenzhen
China

ARTIXIUM®
GERMANY
Weissensteinstrasse 90b,
46149 Oberhausen
Germany

ARTIXIUM®
TURKEY
Merkez Mah. Baglar Cad. A
Blok Apt. No: 14D/13 Kagithane, Istanbul
Turkey

🌐 **www.artixium.com**

📞 **0 428 001 801**

in **linkedin.com/company/artixium**

🐦 **twitter.com/artixiumled**

✉ **contact@artixium.com**

f **facebook.com/artixiumdisplayltd**

📷 **instagram.com/artixium**

ARTIXIUM®

Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

———

www.artixium.com