



Villa Projection Mapping Solution / Case Study



Watch project video on [YouTube](#)



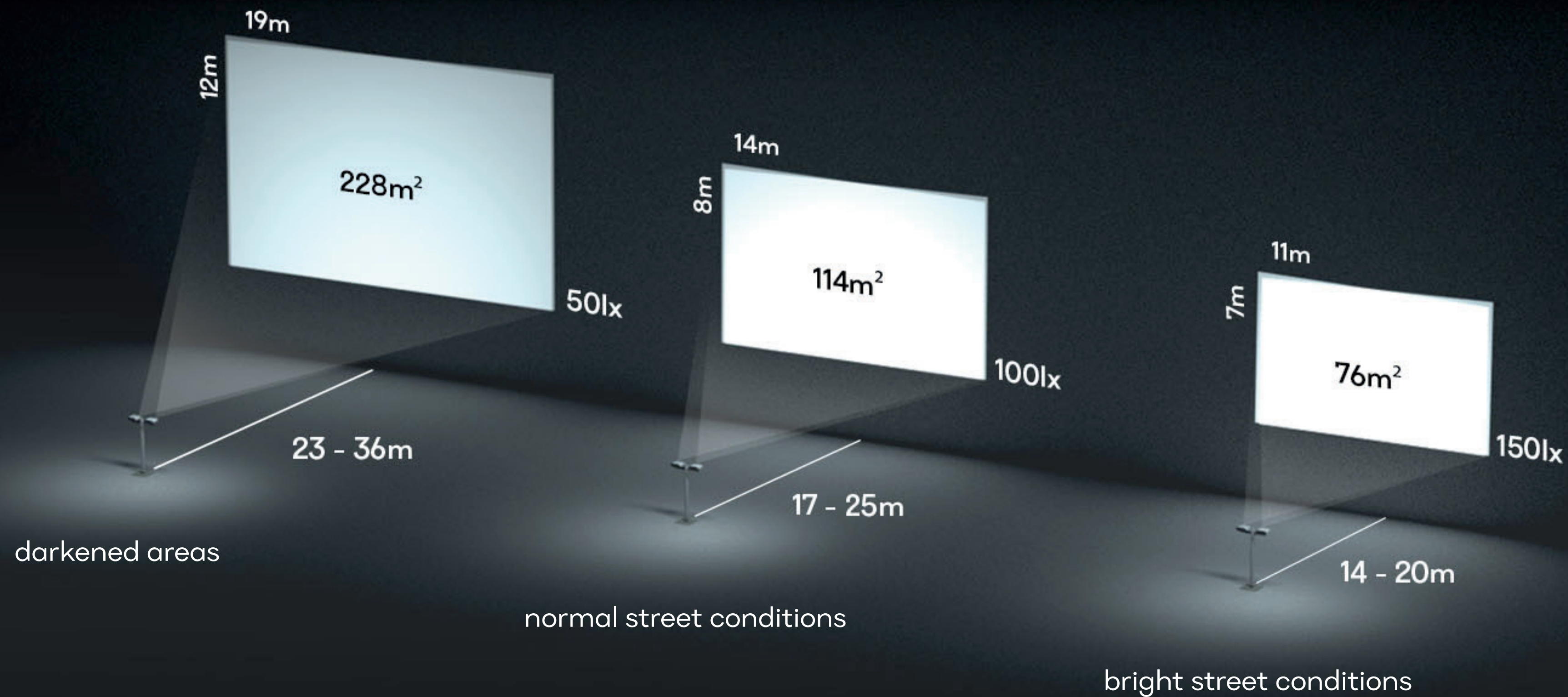
Solution Details

The Villa is illuminated using a pair of LAZR 4G™ outdoor projectors installed on an Urban Mast as shown in the picture. This set-up is remotely managed via a GSM mobile data connection. The user can easily control the show with the Lumiverse app, supplied with the product. This solution is extremely durable and withstands harsh conditions.

Operational Temperature Range	-20 °C to + 45 °C / -4 °F to 113 °F
Weatherproof	IP 43
Power	1.2 kW; 110 – 230V
Light source life	20 000 h laser DLP
Solution Brightness	11 400 ANSI lm
Image Resolution	2 x [1920 x 1200] px
Throw Ratio	1.2 – 1.9
Standalone & Wireless	4G LTE
User Interface	Lumiverse app
Processor	i5
Media Storage	400 GB
Height	3.6 m
Weight	193 kg

2x LAZR 4G™ Outdoor Video Mapping Projector, certified for permanent outdoor use.
Made in Europe, Czech Republic





How big can we get with this 2x projector solution?

With the power of 2 units LAZR 4G™ outdoor video projectors you can illuminate an area of 80 - 220 square metres. The critical parameter of the image quality is the illuminance expressed in Lux [lx ; ANSI lm/sqm]. The larger the screen, the smaller the illuminance, and vice versa. The most commonly used and recommended illuminance value for outdoor projectors is around 100 lx, the lowest viable illuminance is 50 lx in darkened areas.



Variable screen shaping

LM3X unique modular design enables a variety of screen shapes. In this example, we use the edge-blending technique to create an ultra-wide screen. In such setup, the pair of LAZR 4G™ projectors projects image in 3 648 x 1 200 px resolution. (3.6K)



left projector scanner output



right projector scanner output

Pixmap for content creators

LAZR 4G™ projectors are equipped with the Multiscan feature, which enables the creator to weld image from multiple projectors into a seamless screen. The content creator uses the Multiscan pixmap graphic template to develop the video animation for the illuminated object.

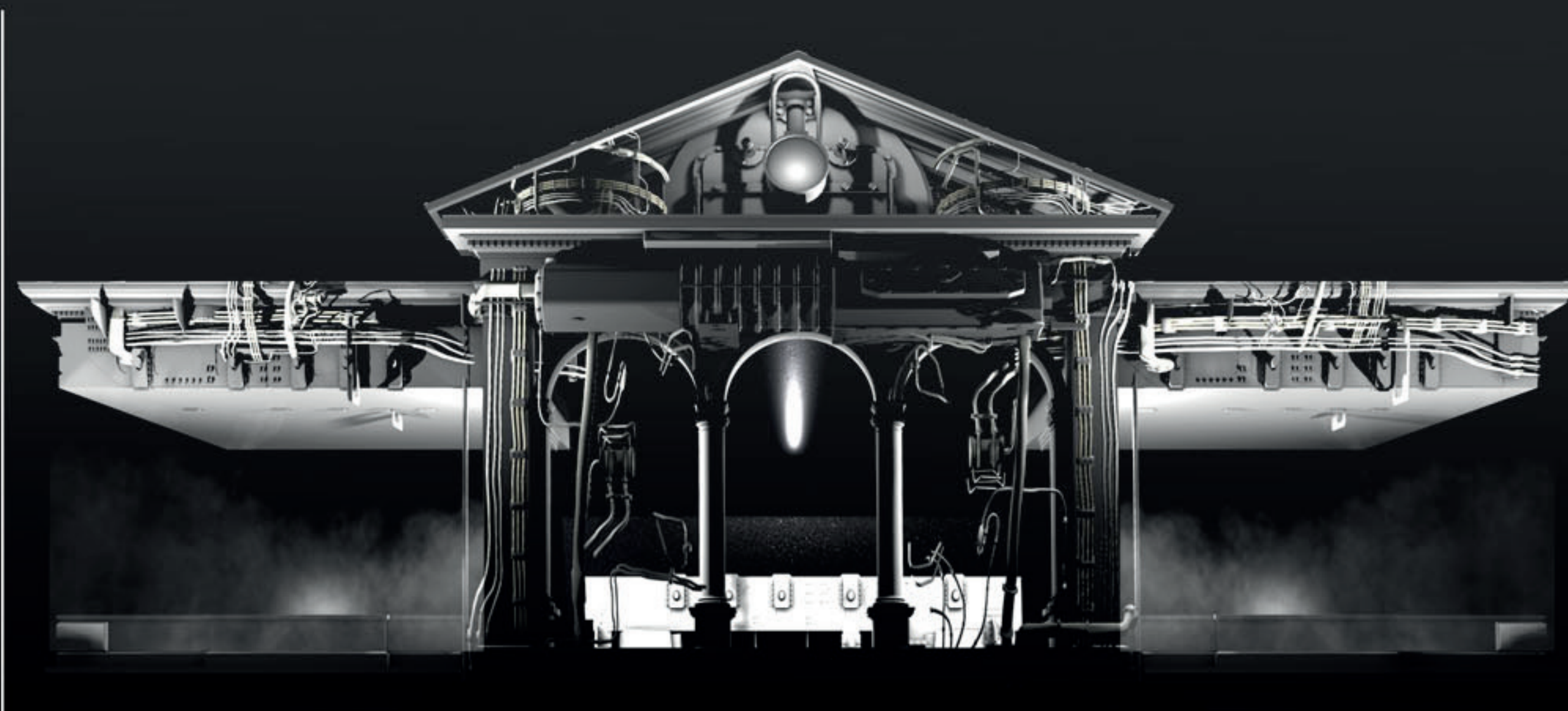
1200 px



Multiscan pixelmap output

3 648 px

1200 px



Video content frame example

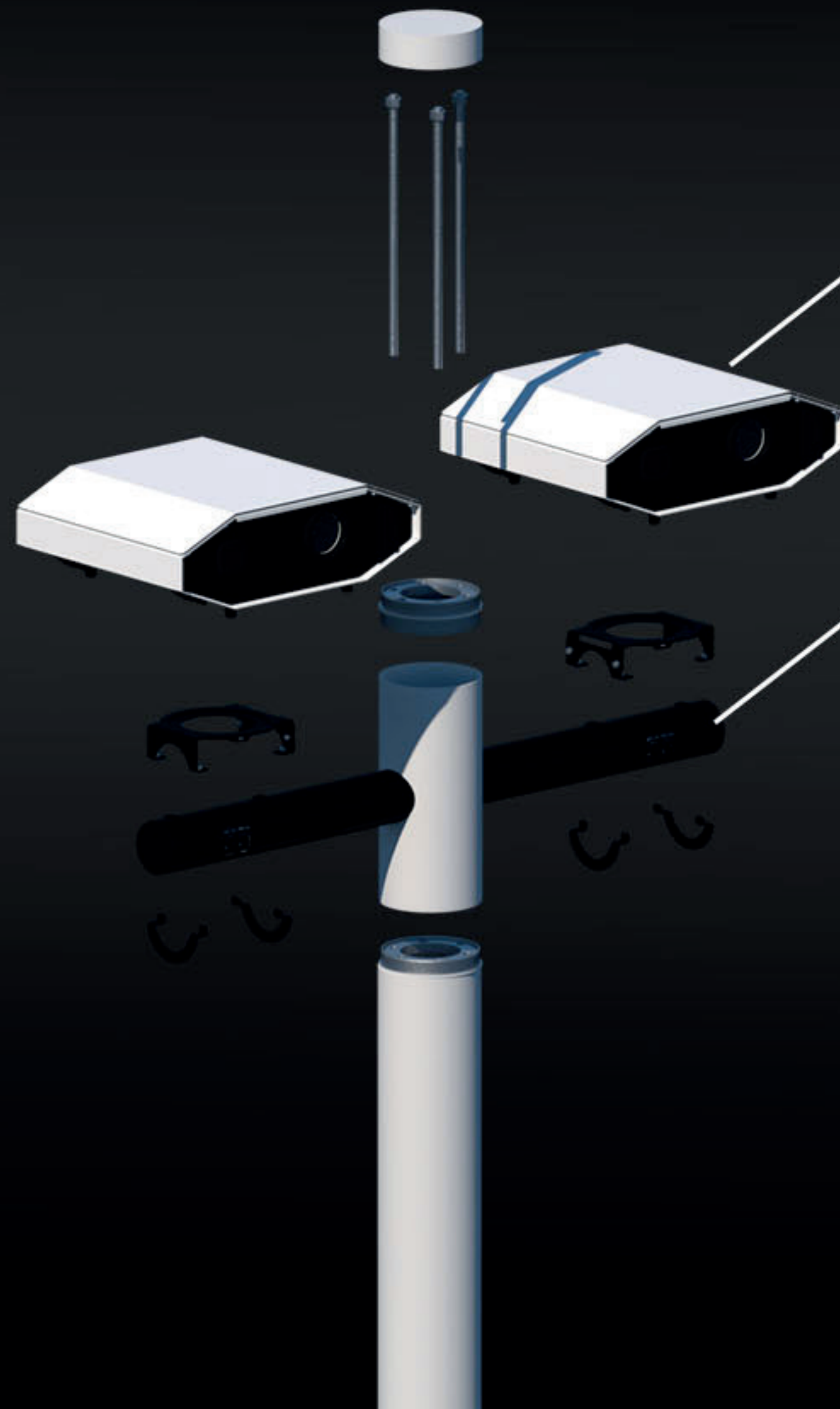
3 648 px



Remote control app

You can control all functions of your LAZR 4G™ projectors via the Lumiverse UI app from an unlimited distance. Features Included: Media Player, Projects, Layers, Edge Blending, Object Scanner, Vector Mask, Autoplay Scheduler, Playlists, Mesh & Bezier Warp, Tools such as Color, Paint, Gradient and Complete Remote Management. The end-user may get a simplified UI for selecting Project and managing Autoplay Scheduler only.

Solution Breakdown

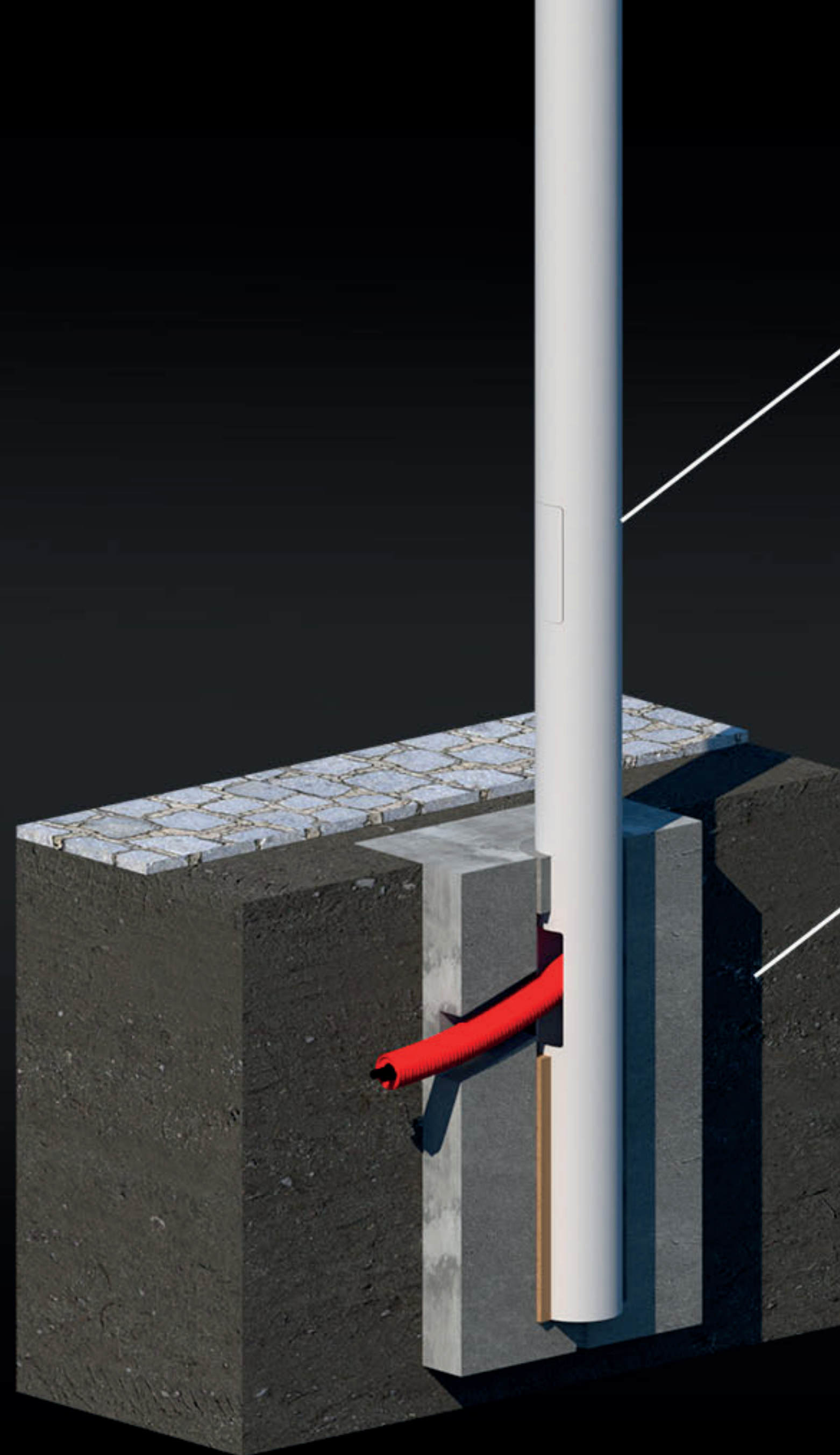


LAZR 4G™

2x outdoor video mapping projector
Laser DLP 6000 ANSI lm WUXGA

X-part

Adjustable attachment fixture
for outdoor projectors



Main Column A

Vandal-proof steel construction
Type A can carry up to 6 projectors

Permanent Base A

Concrete base type A' for the Urban Mast projector
fixture can carry up to 6 projectors.

Cables

Power 1.2 kW, 110 - 230V

LAN, Internet (optional, else 4G/LTE sim card
required in each projector)