

LMEX

# Town Square Projection Mapping Solution / Case Study







## Solution Details

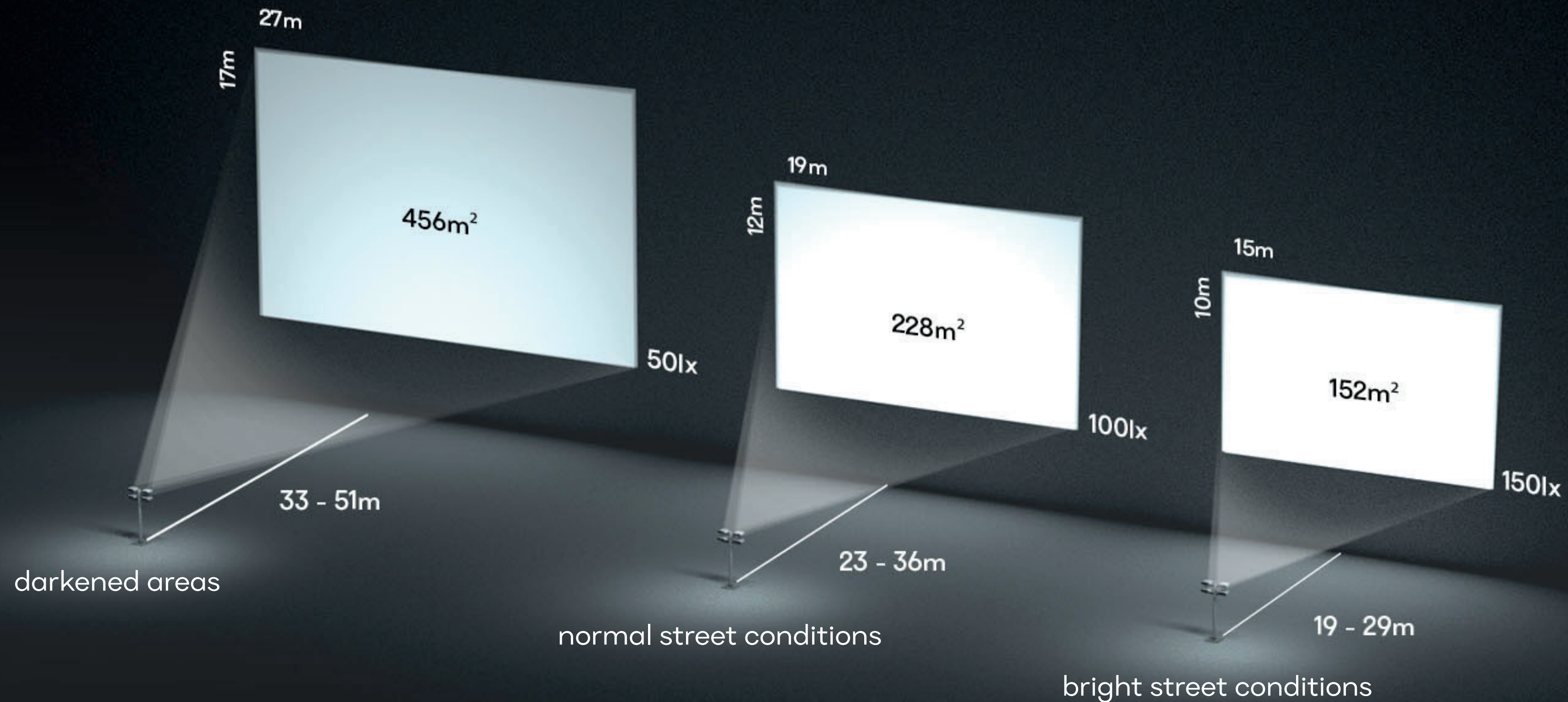
The Town Square is illuminated using 4 units of LAZR 4G™ outdoor projectors installed on an Urban Mast as shown in the picture. This set-up is remotely managed via a GSM mobile data connection. The user can easily control the show with the Lumiverse app, supplied with the product. This solution is extremely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

|                               |                                     |
|-------------------------------|-------------------------------------|
| Operational Temperature Range | -20 °C to + 45 °C / -4 °F to 113 °F |
| Weatherproof                  | IP 43                               |
| Power                         | 2.4 kW; 110 – 230V                  |
| Light source life             | 20 000 h laser DLP                  |
| Brightness                    | 22 800 ANSI lm                      |
| Image Resolution              | 4 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                        | 4.1 m                               |
| Weight                        | 276 kg                              |

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







## How big can we get with this 4x projector solution?

With the power of 4 units LAZR 4G™ outdoor video projectors you can illuminate an area of 150 – 450 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, 4 units of LAZR 4G™ projectors projects image in 4 080 x 1 200 px resolution (4K)





projector 1 scanner output



projector 2 scanner output



projector 3 scanner output



projector 4 scanner output

## Pixelmap 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 pixelmap graphic template to develop the video animation for the illuminated object.



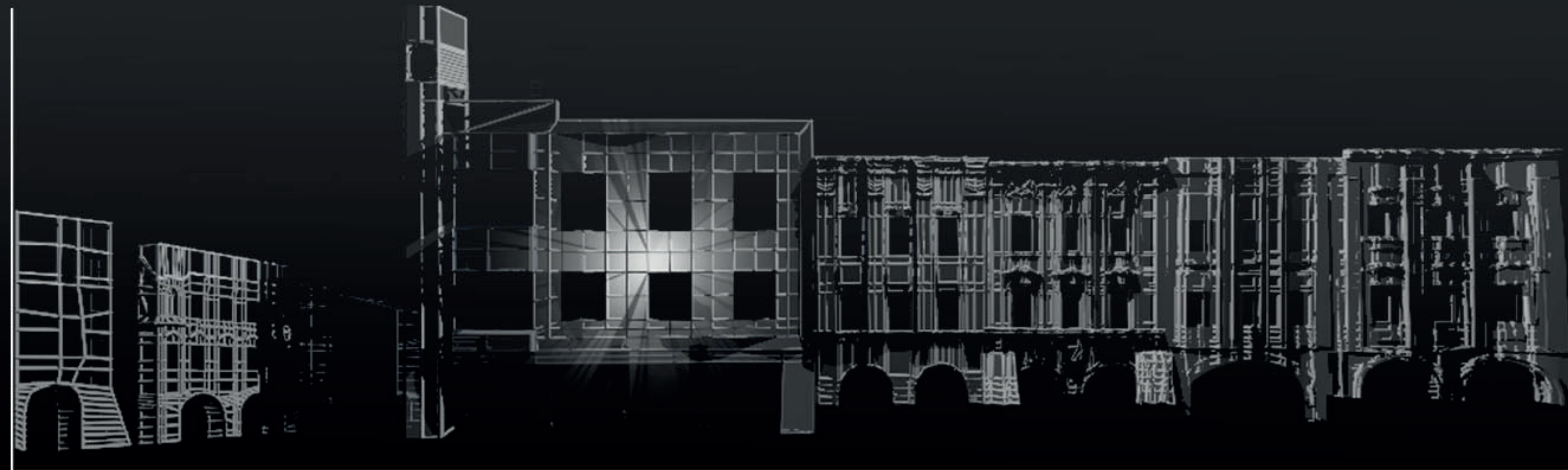
1200px



Multiscan pixelmap output

4080px

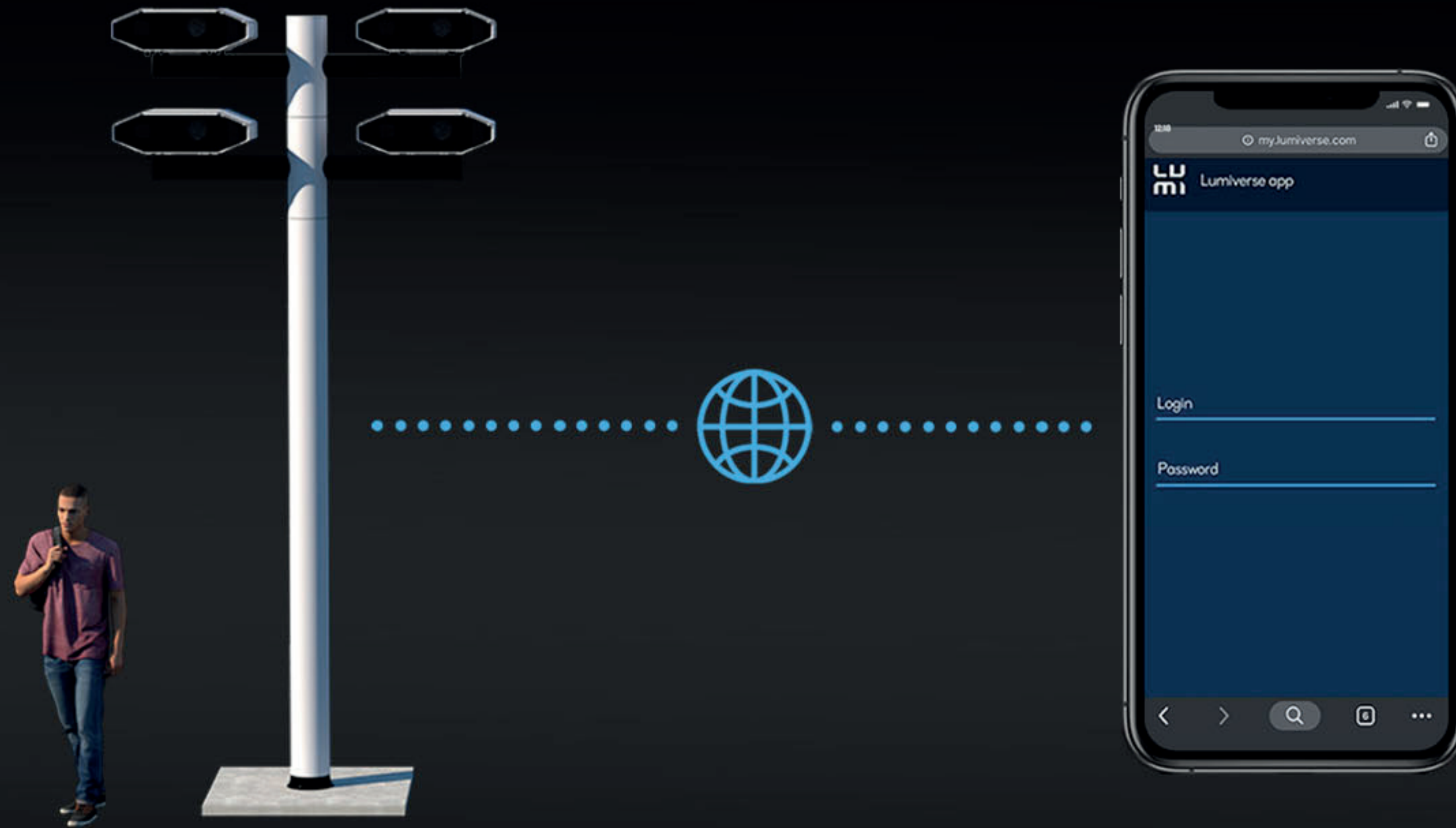
1200px



Video content frame example

4080px





## 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

L A Z 3 4G™

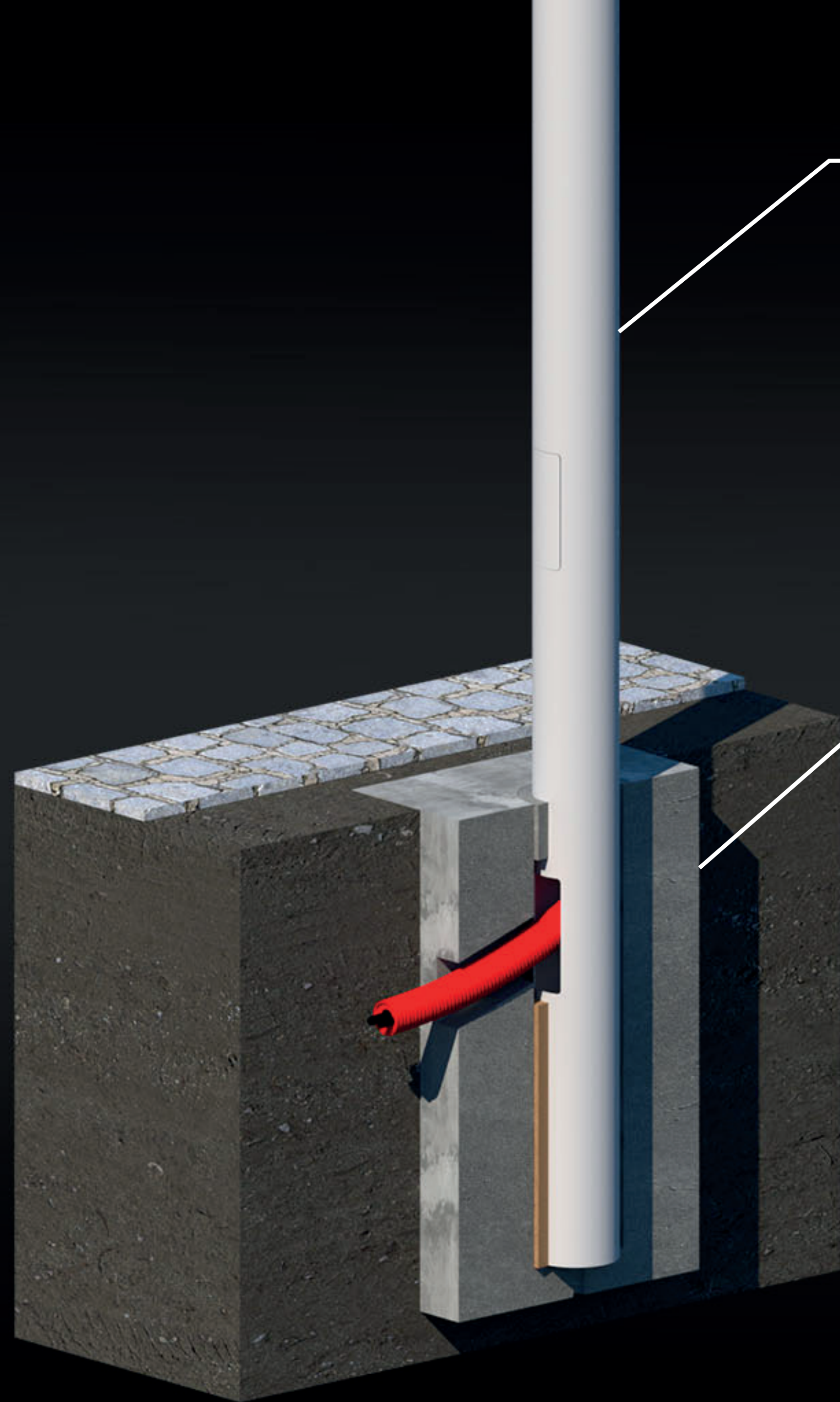
4x outdoor video mapping projector  
Laser DLP 6000 ANSI lm WUXGA

X-part

2x 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 2.4 kW, 110 - 230V  
LAN, Internet (optional, else 4G/LTE sim card  
required in each projector)