



**ZUMTOBEL**



## **CAPIX**

Custom-made  
multi-media lighting  
effects that get right to  
the point.

# CAPIX

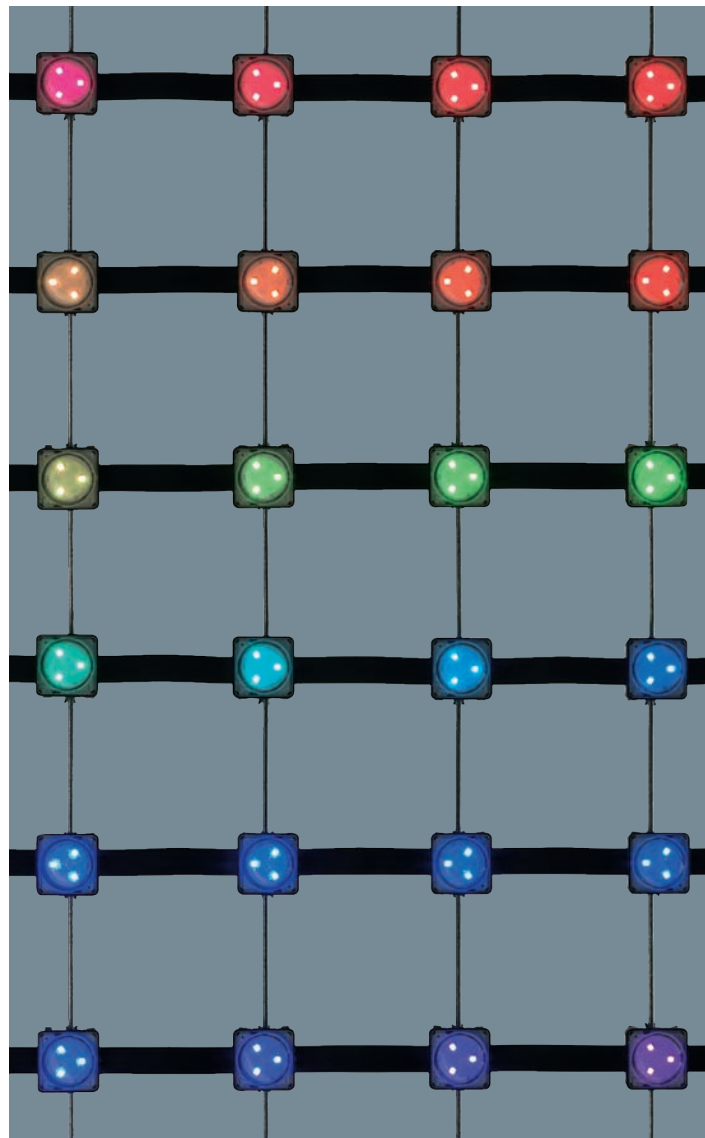
A LED matrix for impressive media lighting scenarios

Like netting, these adaptable LED chains cling to buildings or objects. One CAPIX pixel incorporates three RGB LEDs, which results in a bright and brilliant lighting effect, even when seen from long distances. A CAPIX chain consists of lighting points and a combination of data and supply cabling. In addition to generating colours and other effects, the intelligent control system of CAPIX can run a sequence of moving pictures. When it comes to mounting, CAPIX is impressively flexible: mounted on a surface in any arrangement, multi-media pinpoint lighting effects can be created. Where the LED chains are fixed onto a flexible or rigid mesh, they cling tightly to the surface or object like a second skin. What makes CAPIX so special? The distance of the individual lighting points, and therefore the resolution of the luminous multi-media surface, can be adapted to suit the viewing distance, which is proof of the lighting solution's application flexibility.

CAPIX offers a wide range of colours.



RGB LED pixels in a compact design, for perfect colour perception from any viewing angle.





CAPIX at the LED trade fair stand. Light & Building 2010, Frankfurt.

## PIXEL

### Product specifications

Light colour	RGB
Light source	3 RGB LEDs per pixel
Housing/materials	PMMA diffuser and PC housing, black
Dimensions per pixel	32 mm x 32 mm x 22 mm
Standards	CE EN 60598 (luminaire) EMC: EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3
Interfaces	Plug with IP65 cable gland for connection to an SCU

### Electrical operating data

Input voltage	13.5 V DC (via SCU)
Power consumption	Pixel: 1 W
Protection class	Class 3 (SELV)
Safety	Overload protection (irreversible), Overvoltage protection (reversible)

### Operating conditions

Ambient temperature in operation	-30 °C to +50 °C
Ambient temperature switched off	-30 °C to +70 °C
Protection type	IP65 (suitable for outdoor areas)
LED-lifetime	30 000 hours at 70% light output

### Optical specifications

Light distribution	lambertian
Typical luminous flux	17.5 lm (RGB all colours 100%)

## STREAMING CONTROL UNIT (SCU)

### Product specifications

Housing/materials	Aluminium, powder-coated
Dimensions	310 mm x 400 mm x 110 mm
Weight	9 kg
Standards	CE EN 60598 (luminaire) EMC: EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3
Interfaces	Data input/output: LSA-ID-terminal Power supply: screw terminal Pixel string outputs: plugs Cable glands for IP65 protection

### Electrical operating data

Input voltage	230 VAC, 50 Hz
Power consumption	220 W
Output voltage	13.5 V DC
Output current	max. 3.7 A per output
Protection class	Class 1
Safety	Over-current protection (irreversible) Over-temperature protection (reversible)

### Operating conditions

Ambient temperature in operation	-30 C to +50 C
Protection type	IP65

## VIDEO CONTROL UNIT (VCU)

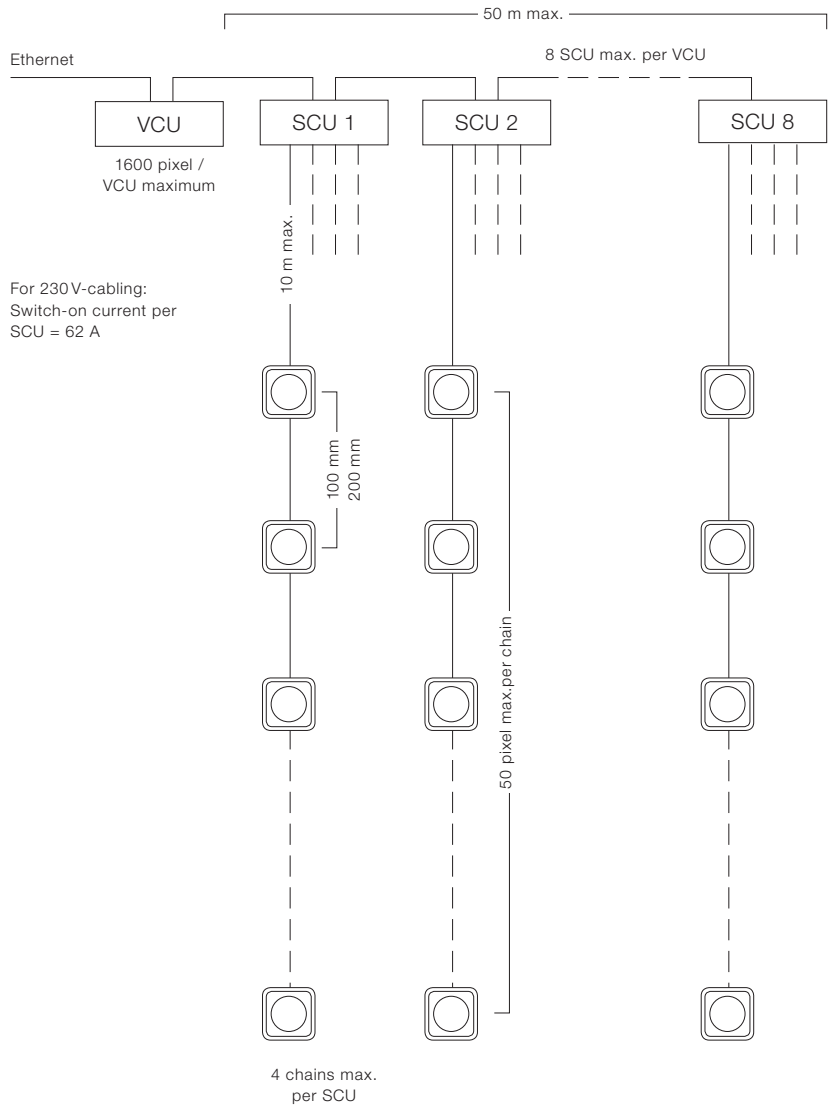
### Product specifications

Housing/materials	Steel sheet, white powder-coated
Dimensions	296 mm x 216 mm x 73 mm
Interfaces	Data input/output: RJ45

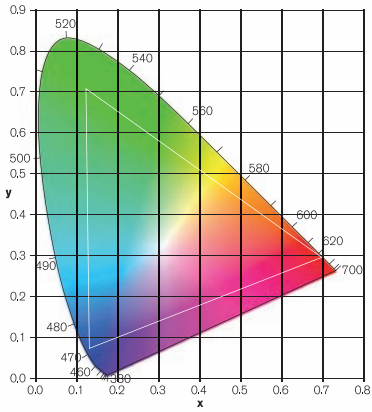
### Control

Protocol	Zumtobel Video Protocol (at output)
Interface	SD card, Ethernet

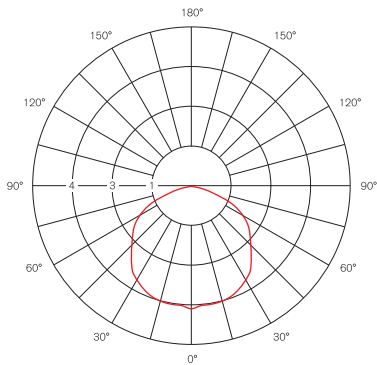
**Data**



**Typical gamut**



**Light distribution**





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