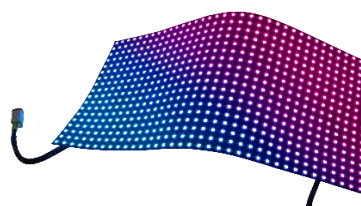


ledTec.flex | banner | p16 | v2.1

V100306

The ledTec.flex | banner | p16 is a thin, flexible LED display with 36 x 18 pixels (576 x 288mm) and a 16.0mm pixel pitch. The foil has 4000NIT and is suitable for outdoor banner applications with high lumen output with best on cost electronic design and light weight requirements. The LED unit is unlimited to extend for large video displays.



LED Pitch	16mm
Light Source (LEDs)	3906(Pixel/sqm) RGB SMD LED
Luminance [cd/sqm] max	>4000cd/m ² (NIT)
Luminous flux	>10000lm/sqm
Color point white (k)	6.500K to 14.000K
Colors	RGB 24bit
Colour Range	16.7 Mill Colors
PWM	8kHz
Gamma correction	default 2.2, adjustable
Frame rate	10 -30Hz
Beam Angle	120 deg
Pixel per Tile	18(hor) x 36(ver)
Surface	Polyimide (PI)
Color of the surface	deepblack or black
DimensionsLxWxH	576mm x 288mm x 2mm (8mm connector height on the backside)
Operating Temperature	-20°C up to 40°C
Storage Temperature	-20°C up to 80°C
Lumen Maintenance	L50 @ 25°C -50.000hrs
Bending radius all directions	800mm
Mounting	Velcro
Cable interface	ledTec.flex connector
Weight	550g per sheet (3000g/sqm)
Environment	outdoor according to IP66
Humidity	0-90%, non-condensing
Approbation	CE, RoHS, WEEE, Reach, (ETL on request)

Electrical Specifications

Operating voltage	12 V DC
Power Consumption (typical) foil	40W per foil
Power Consumption (typical) sqm	248W/sqm
Power Consumption (maximum) foil	80W per foil
Power Consumption (maximum) sqm	482W/sqm

System Specifications

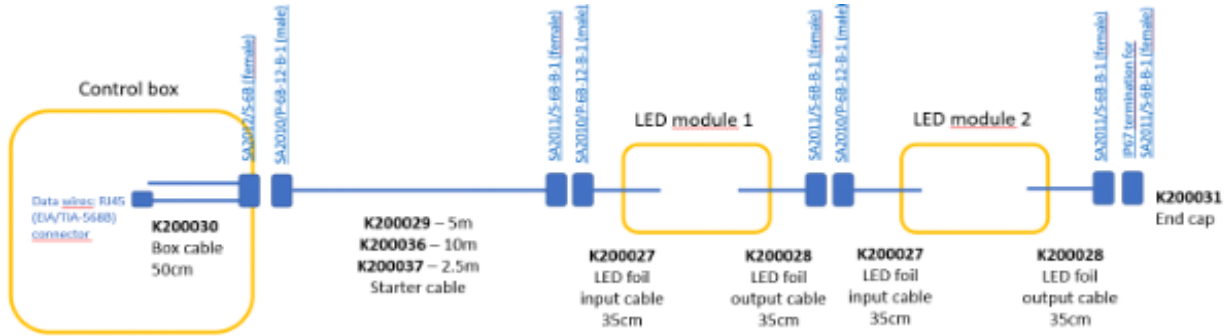
Power Supply	AC110V/230V-100 up to 480W/12V
Maximum number of cascaded foils	3
Control Standard	LPIX2
Converter	ledTec.flex converter advanced v1.0 - input control Artnet



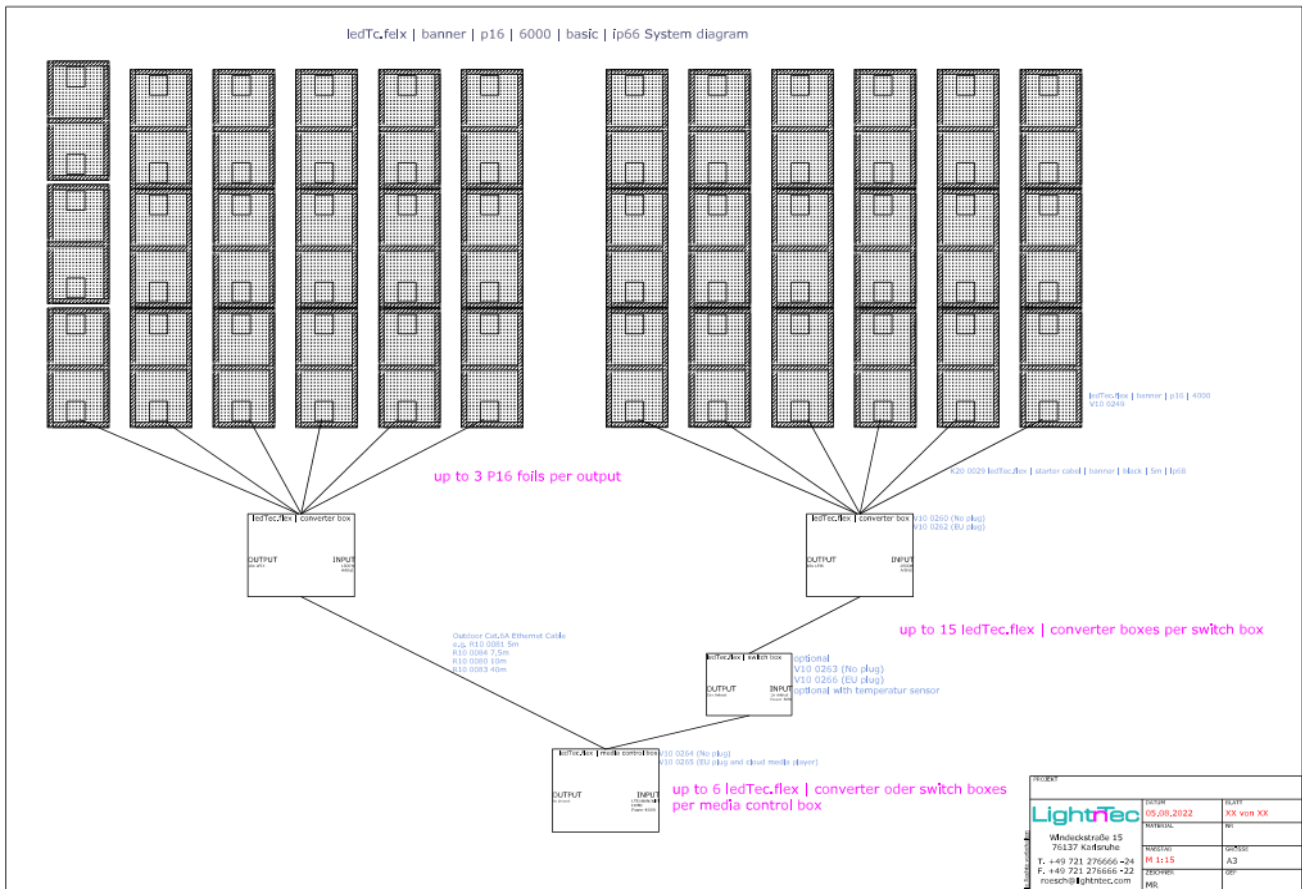
ledTec.flex | banner | p16 | v2.1

System Diagram

Cable Diagram



Outdoor System Diagram



ledTec.flex | banner | p16 | v2.1

Ordering

Fixtures

Item Code	Description	Data
V100019	ledTec.flex display p5 V1.0	3000 NIT / pixel pitch 5mm, Outdoor
V100306	ledTec.flex banner p16 V2.1	>4000 NIT / pixel pitch 16mm, Outdoor
V100233	ledTec.flex wallpaper p32 V2.0	2500 cd/sqm / pixel pitch 32mm, IP20

Mounting

R100184	ledTec.flex mounting hook fastener, velcro, black	hook role, 45m x 25mm
---------	---	-----------------------

Cables & Connector

K200037	ledTec.flex starter cable banner black 2.5m	outdoor, power&data
K200029	ledTec.flex starter cable banner black 5m	outdoor, power&data
K200036	ledTec.flex starter cable banner black 10m	outdoor, power&data
K200043	ledTec.flex starter cable banner black 20m	outdoor, power&data
K200030	ledTec.flex starter (Power+Data) banner black 50cm	outdoor, power&data
K200031	ledTec.flex endcap ip68	outdoor

Power Supply

V100240	ledTec.flex power supply 500W/5V	IP20
V100277	ledTec.flex power supply AC 480W/12V (480)	IP66

Converter - Controller

V100216	ledTec.flex controller display	Player with 1 HDMI mini out (Terminal), video out: Wifi
V100217	ledTec.flex controller display software license 12 mounts	Software, 12 mounts
V100213	ledTec.flex converter advanced v1.0	ARTNet in / LPIX2 out
V100272	ledTec.flex converter hdmi-artnet v1.0	HDMI in or Player / ARTNet out, w/o software license
V100297	ledTec.flex converter hdmi-artnet mini	Player / ARTNet out, w/o software license
V100299	ledTec.flex converter hdmi-capture usb	HDMI in/ video compressed
S400003	ledTec.flex converter hdmi-artnet license 6480pixel	Software, one time license
V100263	ledTec.flex switch box outdoor 15 output	Switch pro with 15 output, worldwide
V100260	ledTec.flex converter box 12v basic outdoor 18	data & power for 18 P16, worldwide
V100264	ledTec.flex media control box outdoor	6/7 outputs; HDMI input; 110/230V