

LED-Tile L33 MK3

Product Sheet



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Version December 2018: All technical data and the weight and dimension information were carefully created – errors reserved. Any colour deviations are printing-related.

We reserve the right to make changes that serve further improvement.

Quick Info

Overview technical data

Features	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
Dimensions	180mm × 180mm	80mm × 80mm
Number of LEDs	36	9
Current (I _{max})	0,3A	0,075A
Colour	<ul style="list-style-type: none"> • Warm white: 2000K, 2200K, 2500K, 2700K, 3000K, 3500K • Neutral white: 4000K, 4500K • Cold white: 5000K, 5700K, 6500K • Alternative spectrums: 2700K AS, 3000K AS, 3500K AS, 4000K AS, Meat • Colours: Red, Green, Blue, Amber 	
Luminous flux*	438lm	110lm
Luminous intensity*	151cd	38cd

Overview of control options

		LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
System Power Supply 4/4E/ DPB Pixel-Router Pro	with Intelligence	72 LED-Tiles per controller	312 LED-Tiles per controller
	1 LED tile per control channel	3 LED-Tiles per channel	13 LED-Tiles per channel
	with Intelligence	72 LED-Tiles per controller	240 LED-Tiles per controller
	maximum number of LED tiles per Intelligence	1 LED-Tile per channel	1 LED-Tile per channel
DPB Pixel-Router	with Big Intelli XLR	72 LED-Tiles per controller	288 LED-Tiles per controller
	1 LED-Tile per channel	4 LED-Tiles per channel	
	with Intelligence	36 LED-Tiles per controller	156 LED-Tiles per controller
	1 LED tile per control channel	3 LED-Tiles per channel	13 LED-Tiles per channel
Sys One	with Intelligence	36 LED-Tiles per controller	120 LED-Tiles per controller
	maximum number of LED tiles per Intelligence	1 LED-Tile per channel	1 LED-Tile per channel
	with Big Intelli XLR	36 LED-Tiles per controller	144 LED-Tiles per controller
	1 LED-Tile per channel	4 LED-Tiles per channel	
Long Distance Controller	with Intelligence	18 LED-Tiles per controller	60 LED-Tiles per controller
	1 LED tile per control channel	1 LED-Tile per channel	1 LED-Tile per channel
	with Intelligence	18 LED-Tiles per controller	72 LED-Tiles per controller
	maximum number of LED tiles per Intelligence	1 LED-Tile per channel	4 LED-Tiles per channel
Big Intelli Monochrom with 70W power supply	Output System connector blue	18 LED-Tiles per controller	78 LED-Tiles per controller
		3 LED-Tiles per channel	13 LED-Tiles per channel
60W power supply (undimmed)		54 LED-Tiles per Power Supply	216 LED-Tiles per Power Supply
		3 LED-Tiles per channel	12 LED-Tiles per channel
Big Intelli Monochrom with 70W power supply		9 LED-Tiles per Power Supply	39 LED-Tiles per Power Supply
		9 LED-Tiles per channel	39 LED-Tiles per channel
60W power supply (undimmed)		10 LED-Tiles per Power Supply	40 LED-Tiles per Power Supply

* The values are measured with a LED-Tile L33-6-6 and L33-3-3 in the colour temperature 6500K (further values can be found on page 8).

Introduction

FEATURES

- Compatible with other series from Schnick-Schnack-Systems
- Made in Germany

- High-quality LEDs
- High colour rendering index $R_a > 90$
- Best arrangement thanks to very small bins (3Step MacAdam)
- Alternative spectrums for specific object lighting
- Custom arrangement in two colours or with lenses possible
- Wider 115° beam angle
- camera friendly dimmable
- Linear light dimming, also for stageless control in the lower intensity range
- Equal brightness despite different supply-line lengths due to integrated switching regulator
- Long lifetime due to the use of low currents

- Can be directly connected to 24V DC

- Minimal surface temperatur
- With connected (through hole) plug connectors
- Extremely robust and reliable
- Various mounting options

Use

The L Series LED tiles are equipped with high-quality, efficient, white or monochrome LEDs with (where possible) a colour rendering index of $R_a > 90$. The LEDs can be controlled in groups.

They are the ideal LED light source for all applications that require a fixed light colour and outstanding lighting quality. The LED-Tiles L33 MK3 are used, among other things, in architecture (e.g. accents on walls, floors, counters, decorative elements), for backlighting surfaces, ceilings, stairs, coves as well as at trade fairs. Thanks to the high colour rendering index, the LED tiles L can also be used for illuminating

Technology

The LED-Tile L33 can be ordered in 16 different white tones, five of them with alternative spectrums, for example for food lighting and four colours:

- Warm white: 2000K, 2200K, 2500K, 2700K, 3000K, 3500K
- Neutral white: 4000K, 4500K
- Cold white: 5000K, 5700K, 6500K
- Alternative spectrums: 2700K AS, 3000K AS, 3500K AS, 4000K AS, Meat
- Colours: Red, Green, Blue, Amber

The LED-Tile L33-6-6 is available in the dimensions of 180 mm × 180 mm equipped with 36 LEDs in a pitch of 33 mm. The LED-Tile can be easily disassembled by hand into four smaller tiles with dimensions 80 mm × 80 mm. Thanks to the ability to easily divide the tiles, the LED-Tile can be easily adjusted to just about every lighting situation. The radiation characteristics of the tiles can be changed using optional lenses.

The distance between the individual LEDs is dimensioned in a way that results in homogeneous illumination. The distance to achieve a homogeneous surface depends on the material. It should contain at least 5 from the top side of the LED to the diffuser.

The LED tiles are mounted with board holders.

Control

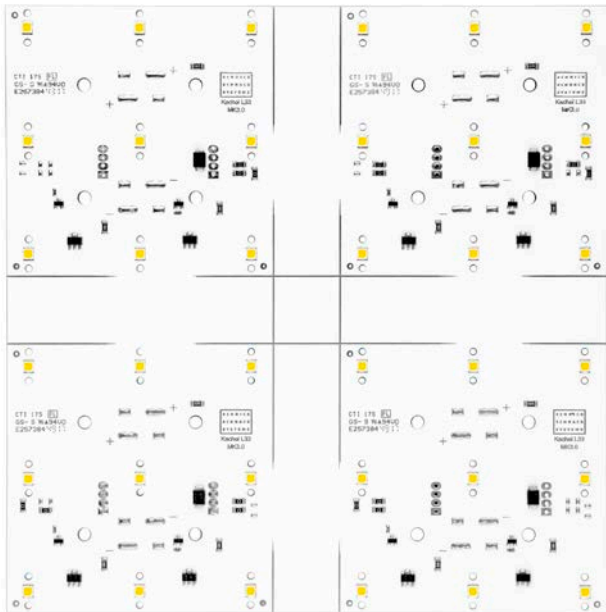
The LED-Tiles L33 can be controlled directly via the Long Distance Controller or the Sys One. Alternatively, they can also be controlled with the help of Intelligences or Big Intellis via the DPB Pixel-Router, the DPB Pixel-Router Pro, the System Power Supply 4E or the System Power Supply 4. For small installations, only an adequate power supply unit or – if dimmability is desired – a Big Intelli monochrome with power supply unit can be used.

The controllers enable stepless brightness control even in the lower intensity range and camera-friendly dimming (flicker-free) of the LED tiles.

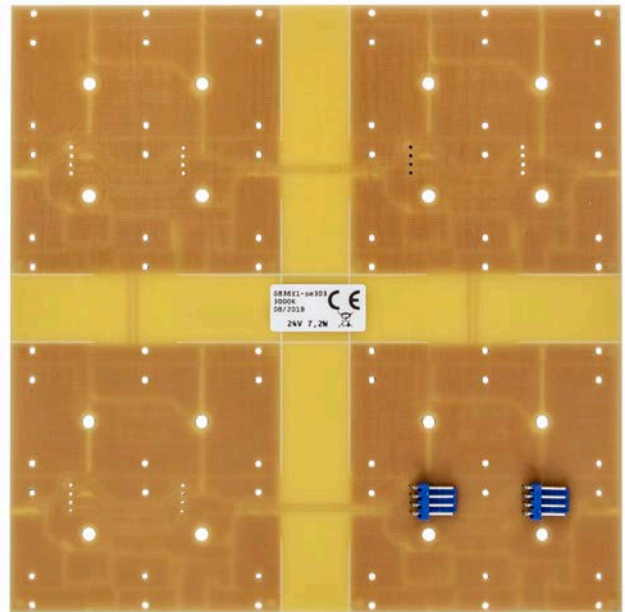
The LED-Tiles L33 MK2 are plug-compatible with the existing RGB LED system from Schnick-Schnack-Systems: Each of the three RGB channels is used to activate the LED-Tiles L. By using special cross cables*, each LED tile in a section can be assigned to a channel. So the structure is simple. Thanks to the cross principle RGB controller can be used sustainably for monochrome LED tile. Thanks to the integrated current regulator, even long power lines do not result in a decrease in brightness on the tile.

Mechanical data

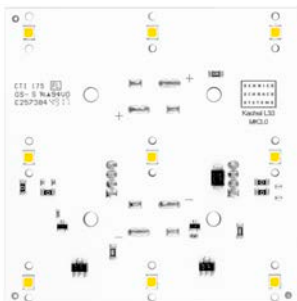
Features	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
Dimensions	180 mm × 180 mm	80 mm × 80 mm
Backlighted area	200 mm × 200 mm	100 mm × 100 mm
LED-Pitch	33 mm	33 mm
Number of LEDs	36	9
Pin connection and -colour	System connector blue	System connector blue
Safety class	IP00	IP00
Weight	102g	22g



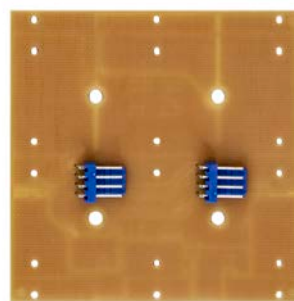
LED-Tile L33-6-6 (front view)



LED-Tile L33-6-6 (rear view)

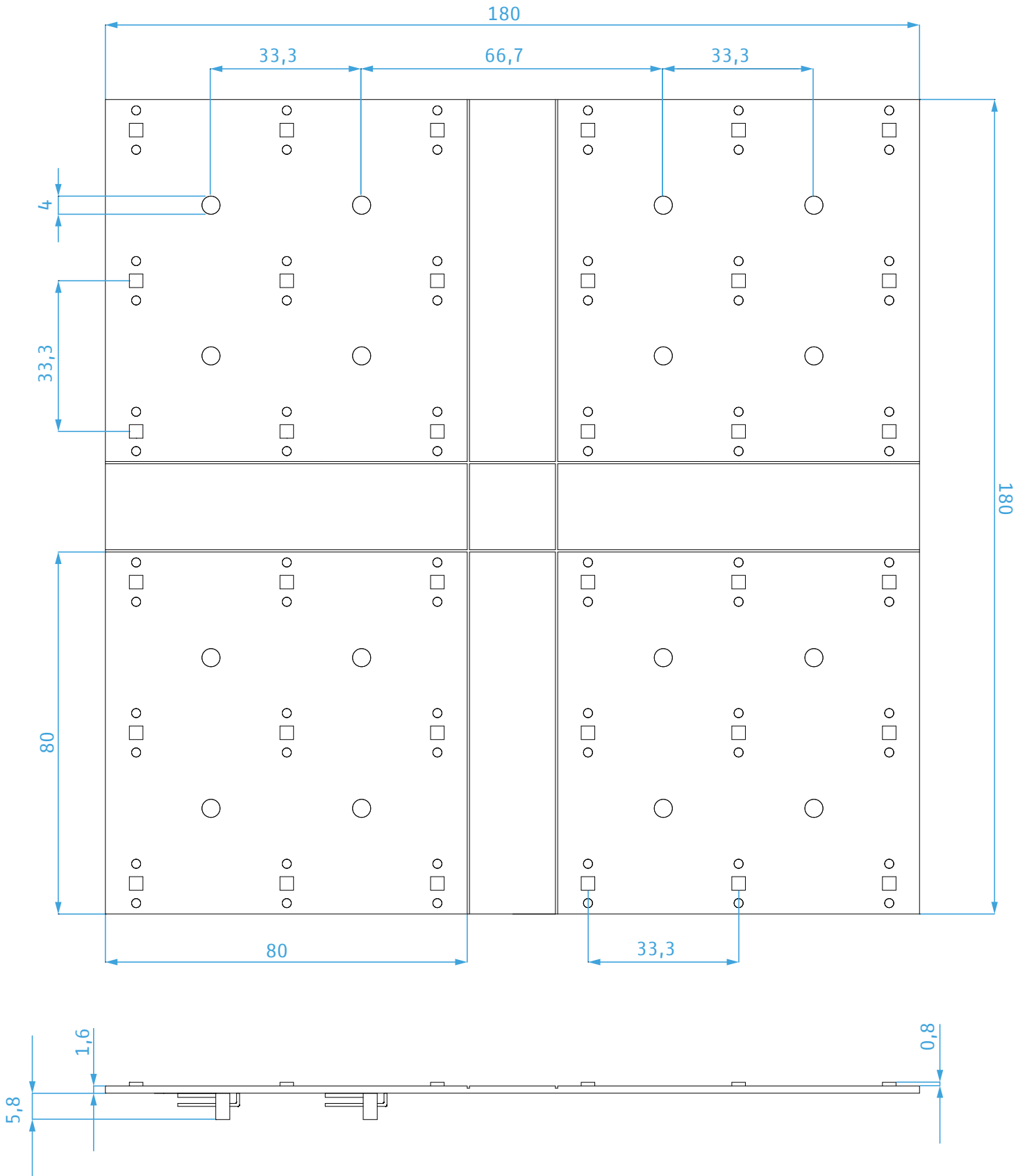


LED-Tile L33-3-3 (front view)

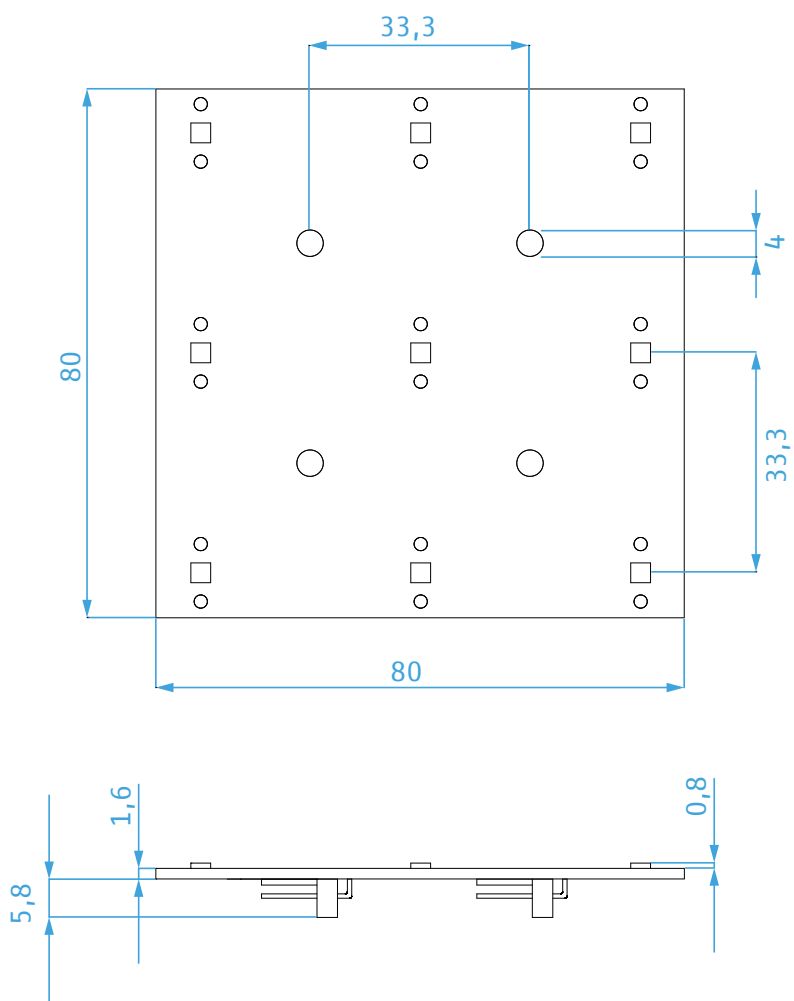


LED-Tile L33-3-3 (rear view)

CAD drawing*



* without scale / all units in mm



Optical data

	Emission angle	Colour	Luminous flux*	Efficiency (at 20V)	Colour Rendering Index R _a	Luminous intensity**
LED-Tile L33-6-6	115°	2000 K	350 lm	70 lm/W	84,4	123 cd
		2200 K	352 lm	70,4 lm/W	85,2	124 cd
		2500 K	411 lm	82,2 lm/W	85,4	141 cd
		2700 K	390 lm	78 lm/W	93,8	138 cd
		2700 K AS	254 lm	50,8 lm/W	73,1	91 cd
		3000 K	405 lm	81 lm/W	94,2	142 cd
		3000 K AS	267 lm	53,4 lm/W	74,1	94 cd
		3500 K	410 lm	82 lm/W	95,5	143 cd
		3500 K AS	289 lm	57,8 lm/W	76,1	102 cd
		4000 K	431 lm	86,2 lm/W	94,8	147 cd
		4000 K AS	299 lm	59,8 lm/W	77,3	104 cd
		4500 K	436 lm	87,2 lm/W	93,6	151 cd
		5000 K	430 lm	86 lm/W	95,2	150 cd
		5700 K	430 lm	86 lm/W	96,3	148 cd
		6500 K	438 lm	87,6 lm/W	95,9	151 cd
		Rot	165 lm	33 lm/W		56 cd
		Grün	434 lm	86,8 lm/W		147 cd
		Blau	112 lm	22,4 lm/W		38 cd
		Amber	509 lm	101,8 lm/W		177 cd
		Meat	303 lm	60,6 lm/W	72,4	106 cd
LED-Tile L33-3-3	115°	2000 K	88 lm	70 lm/W	84,4	31 cd
		2200 K	88 lm	70,4 lm/W	85,2	31 cd
		2500 K	103 lm	82,2 lm/W	85,4	35 cd
		2700 K	98 lm	78 lm/W	93,8	35 cd
		2700 K AS	64 lm	50,8 lm/W	73,1	23 cd
		3000 K	101 lm	81 lm/W	94,2	35 cd
		3000 K AS	67 lm	53,4 lm/W	74,1	24 cd
		3500 K	103 lm	82 lm/W	95,5	36 cd
		3500 K AS	72 lm	57,8 lm/W	76,1	26 cd
		4000 K	108 lm	86,2 lm/W	94,8	37 cd
		4000 K AS	75 lm	59,8 lm/W	77,3	26 cd
		4500 K	109 lm	87,2 lm/W	93,6	38 cd
		5000 K	108 lm	86 lm/W	95,2	38 cd
		5700 K	108 lm	86 lm/W	96,3	37 cd
		6500 K	110 lm	87,6 lm/W	95,9	38 cd
		Rot	41 lm	33 lm/W		14 cd
		Grün	109 lm	86,8 lm/W		37 cd
		Blau	28 lm	22,4 lm/W		9 cd
		Amber	127 lm	101,8 lm/W		44 cd
		Meat	76 lm	60,6 lm/W	72,4	26 cd

Distance/Lux table***

Distance	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
0,5 m	604 lx	151 lx
1 m	151 lx	38 lx
2 m	38 lx	10 lx

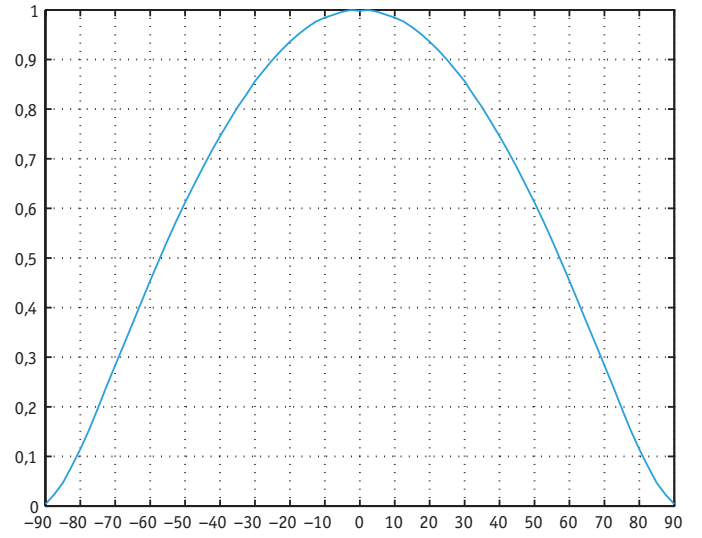
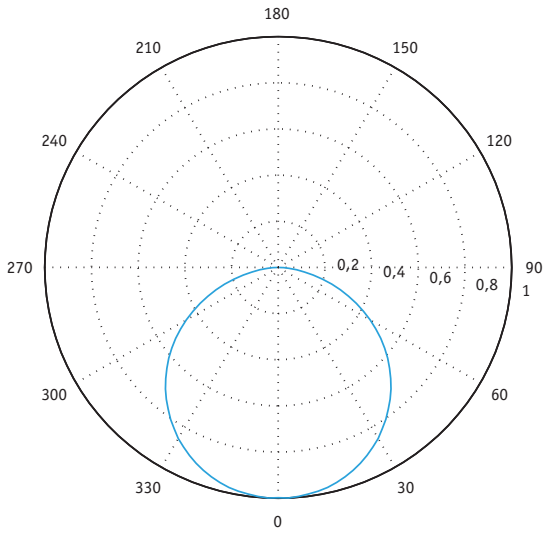
* Luminous flux is measured after at least 60 seconds of power-on time. Measuring is according according to DIN 5032-1 (1999) „Light measurement Photometric methods“ 9.5.4 „[luminous flux] determination with a sphere photometer according to Ulbricht“. Sphere diameter is 1000mm. Comparison lamp is a halogen lamp. The system has been calibrated in a laboratory accredited to DIN17025.

** Spectrum and intensity are measured after a minimum of 60 seconds of power-on time. Measuring is according to CIE127 (2007) “Measure of LEDs” 4.3 “averaged LED intensity – condition B” by means of a cooled high-end “Back Illuminated” CCD spectrometer with a fibre optic probe based on an Ulbricht sphere with 25mm inner diameter and 1cm² measurement port. The system has been calibrated in a DIN17025-accredited laboratory.

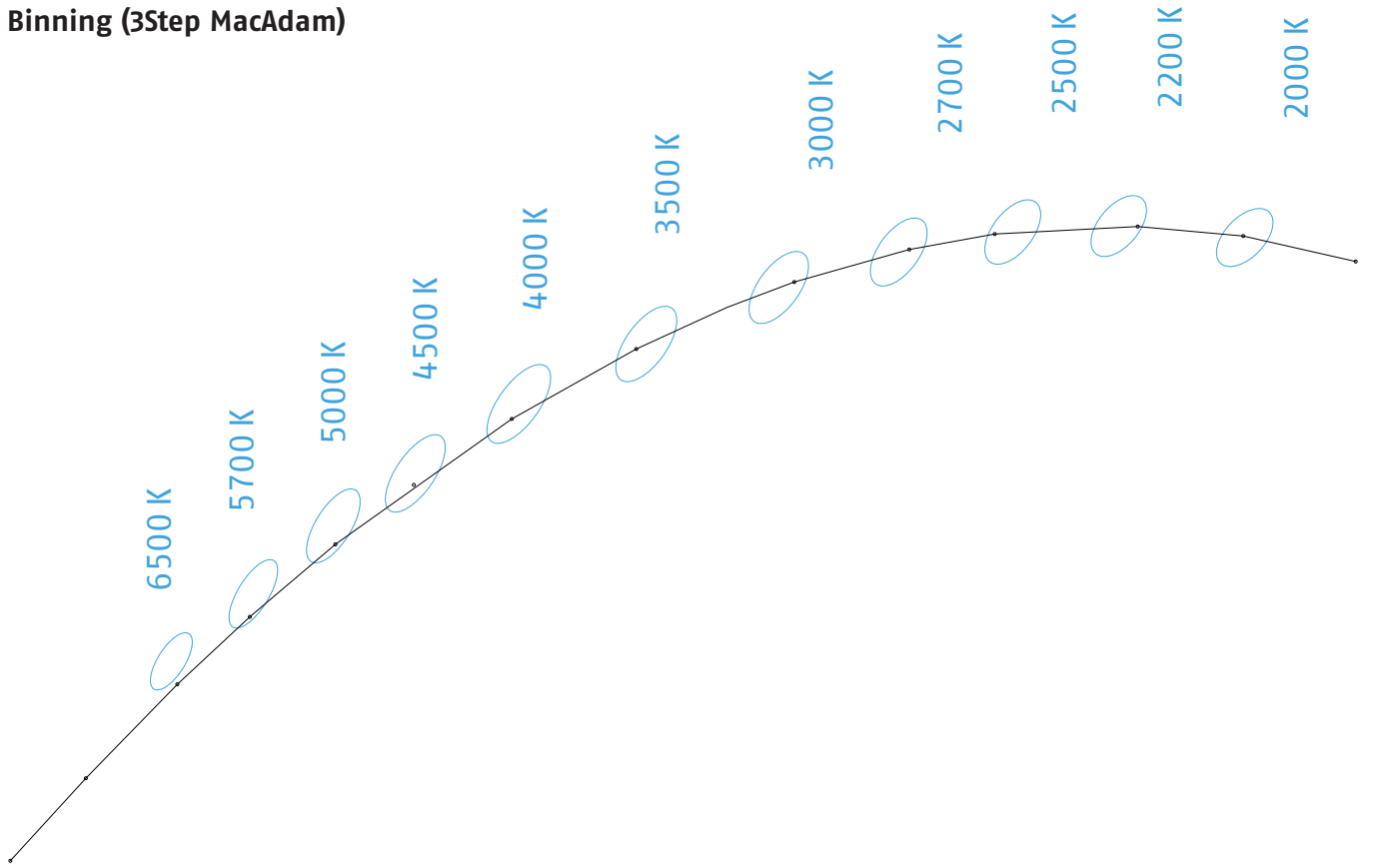
*** The values are measured with a LED-Tile L33-6-6 and L33-3-3 in the colour temperature 6500K (others on request).

Regarding the measurements, it's a matter of actual measurements. Due to the typical LED manufacturing tolerance deviations may occur. Each individual product may vary from this data. We reserve the right of error and technical modifications.

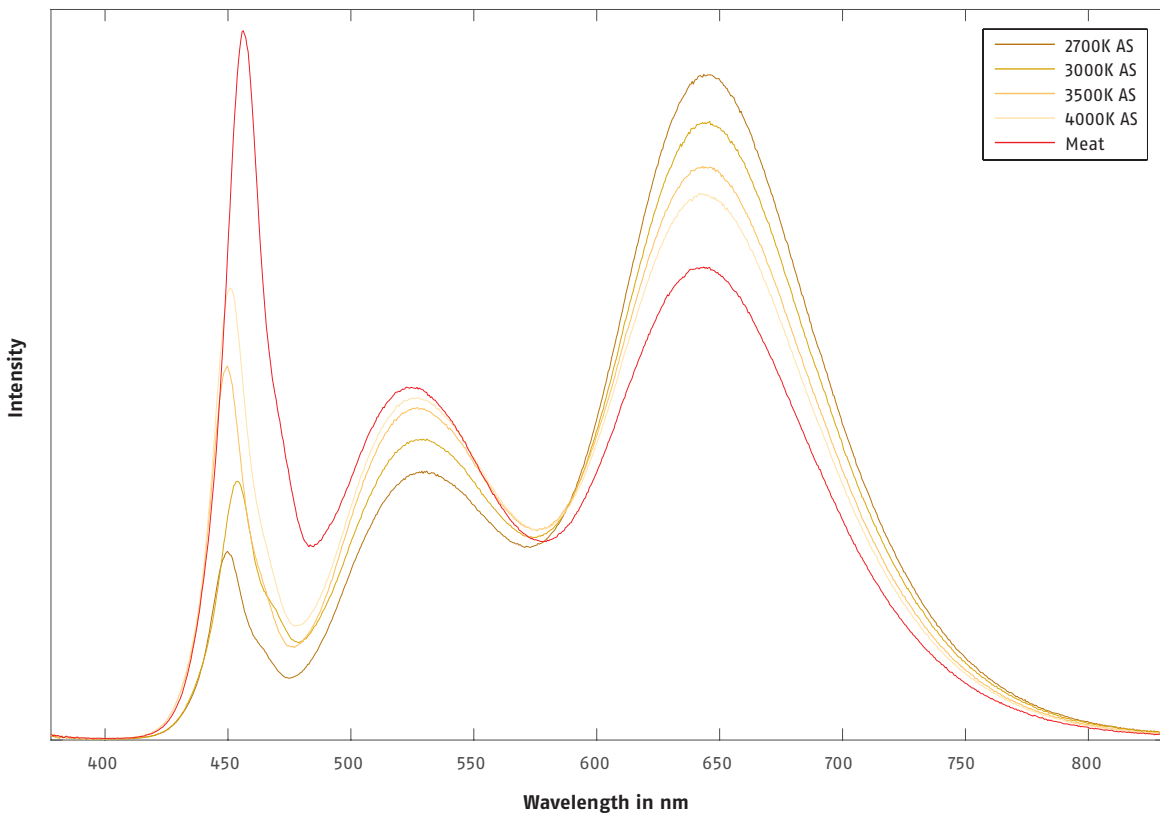
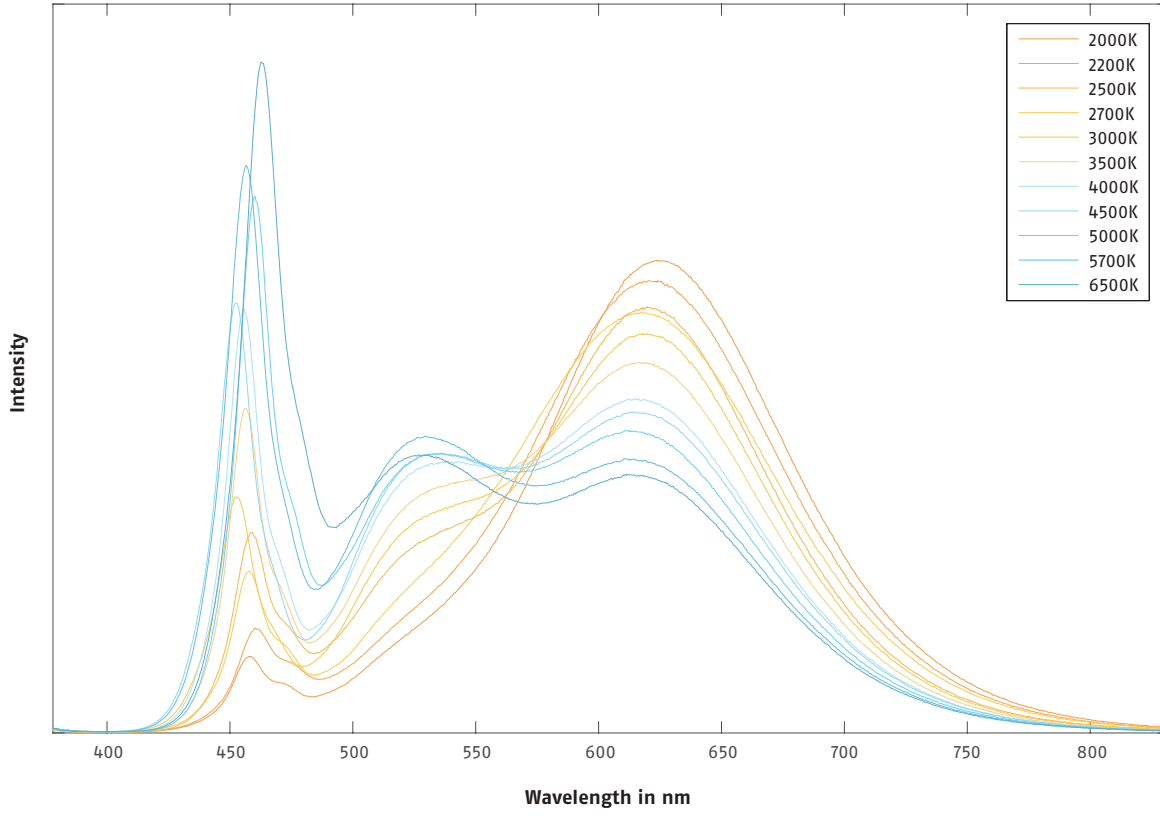
Light distribution curves

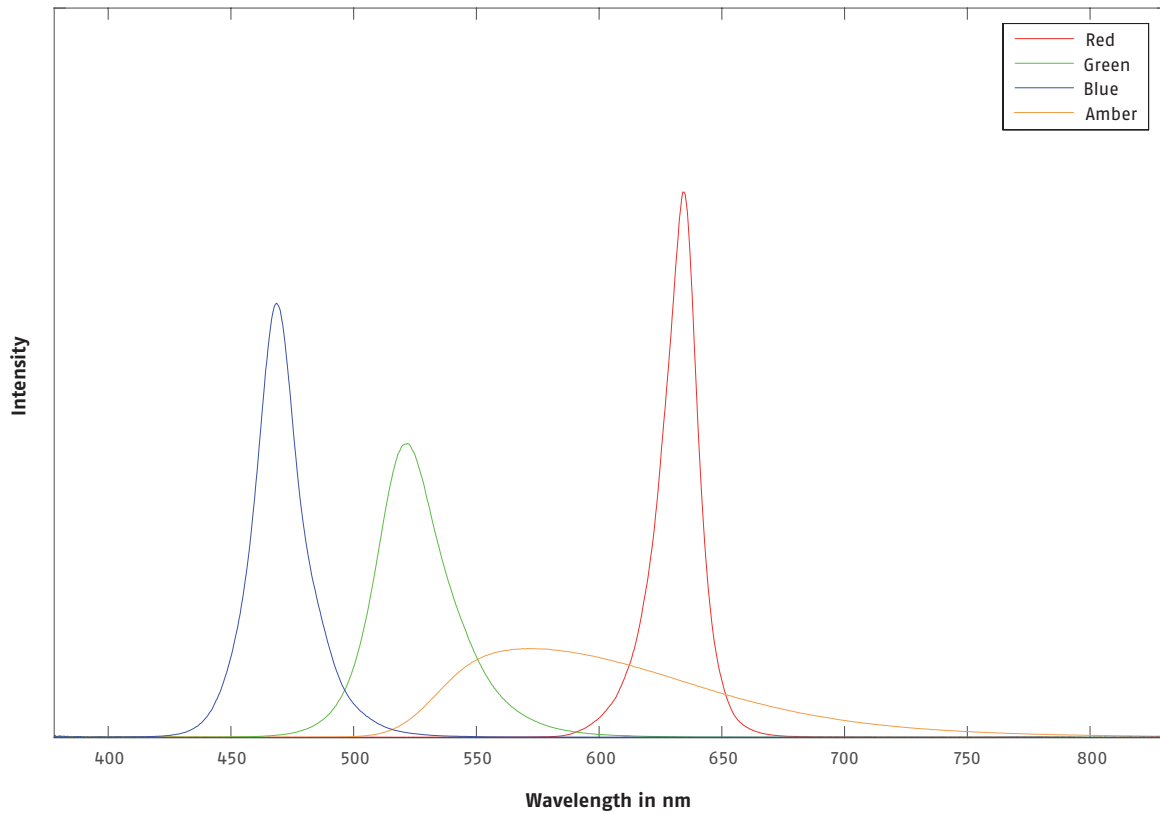


Binning (3Step MacAdam)



Spectral distribution





Electrical data

Features	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
Voltage range	20-27V	20-27V
Current (I_{max})	0,3A	0,075A

Pin Connection

System connector blue



Control options for LED-Tile L33 MK3

Long Distance Controller



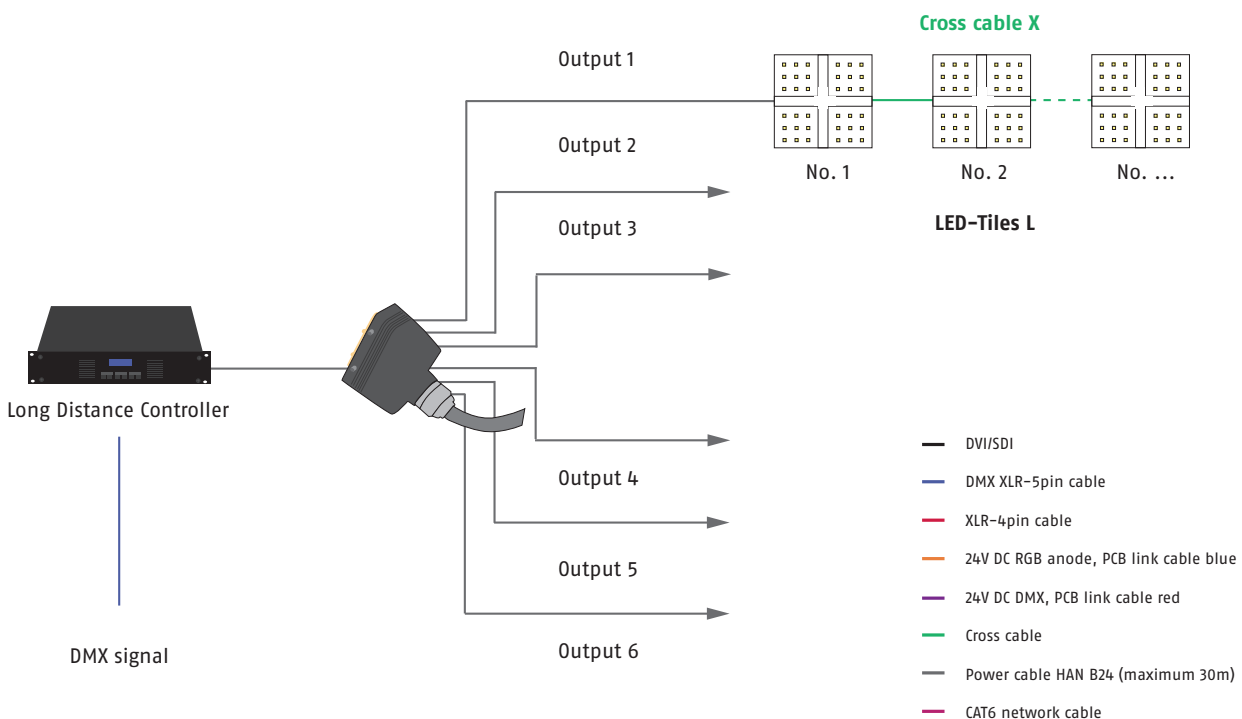
LED-Tile L33-6-6 MK3

maximum 54 LED-Tiles per Power Supply
 maximum 9 LED-Tiles per output
 maximum 3 LED-Tiles per channel

LED-Tile L33-3-3 MK3

maximum 216 LED-Tiles per Power Supply
 maximum 36 LED-Tiles per output
 maximum 12 LED-Tiles per channel

Cabling example Long Distance Controller with LED-Tile L33 MK3



Sys One

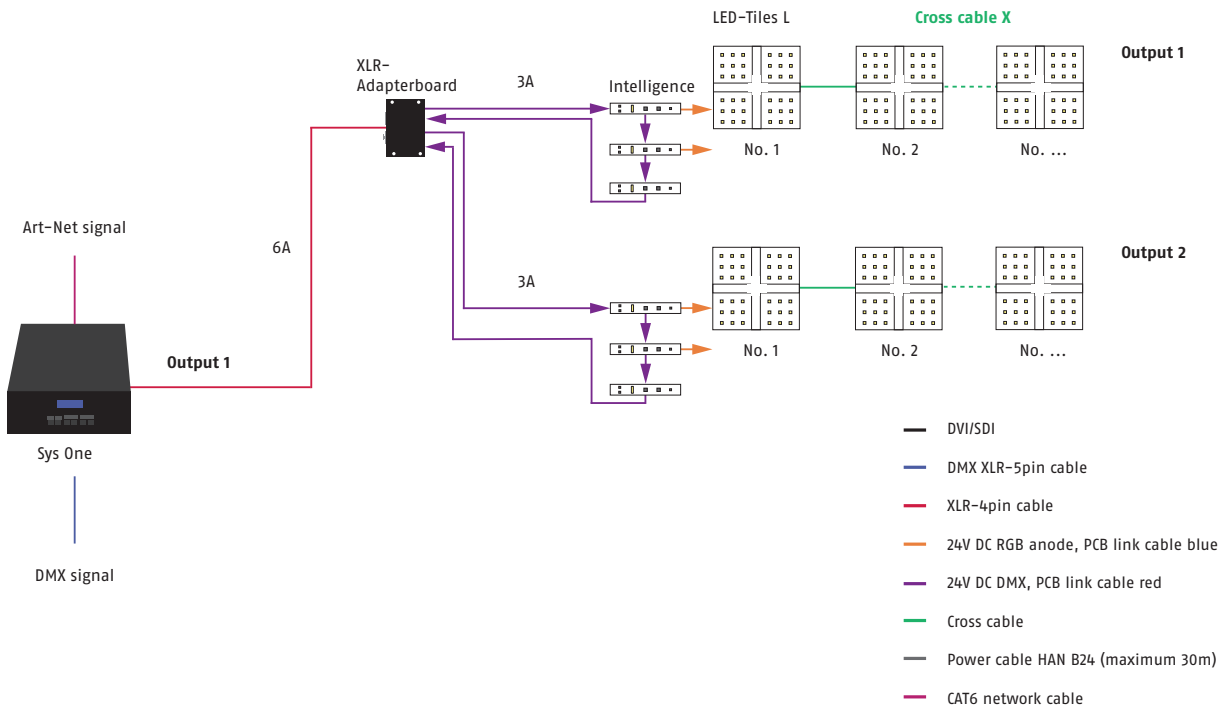
Specific feature: fanless operating



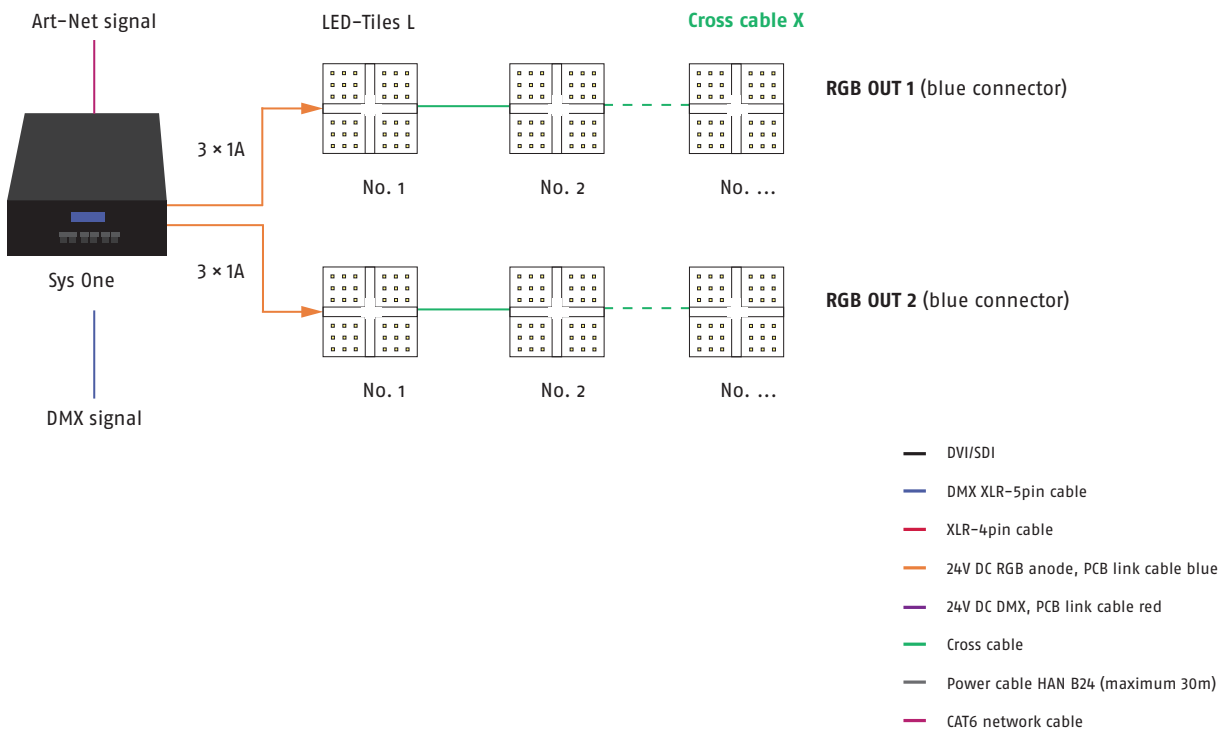
Power Data Out	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
Output XLR-4pin and Intelligence, 1 LED tile per control channel	maximum 18 LED-Tiles per controller 1 LED-Tile per channel	maximum 60 LED-Tiles per controller 1 LED-Tile per channel
Output XLR-4pin and Intelligence, maximum number of LED tiles per Intelligence	maximum 18 LED-Tiles per controller 1 LED-Tile per channel	maximum 72 LED-Tiles per controller 4 LED-Tiles per channel
Output system connector blue	maximum 18 LED-Tiles per controller maximum 9 LED-Tiles per system connector blue maximum 3 LED-Tiles per channel	maximum 78 LED-Tiles per controller maximum 39 LED-Tiles per system connector blue maximum 13 LED-Tiles per channel

Please note: connect only one output variable (XLR-4pin or System connector blue)!

Cabling example Sys One (XLR-4pin connector) with Intelligence and LED-Tile L33 MK3



Cabling example Sys One (System connector blue) with LED-Tile L33 MK3



System Power Supply 4E and System Power Supply 4**

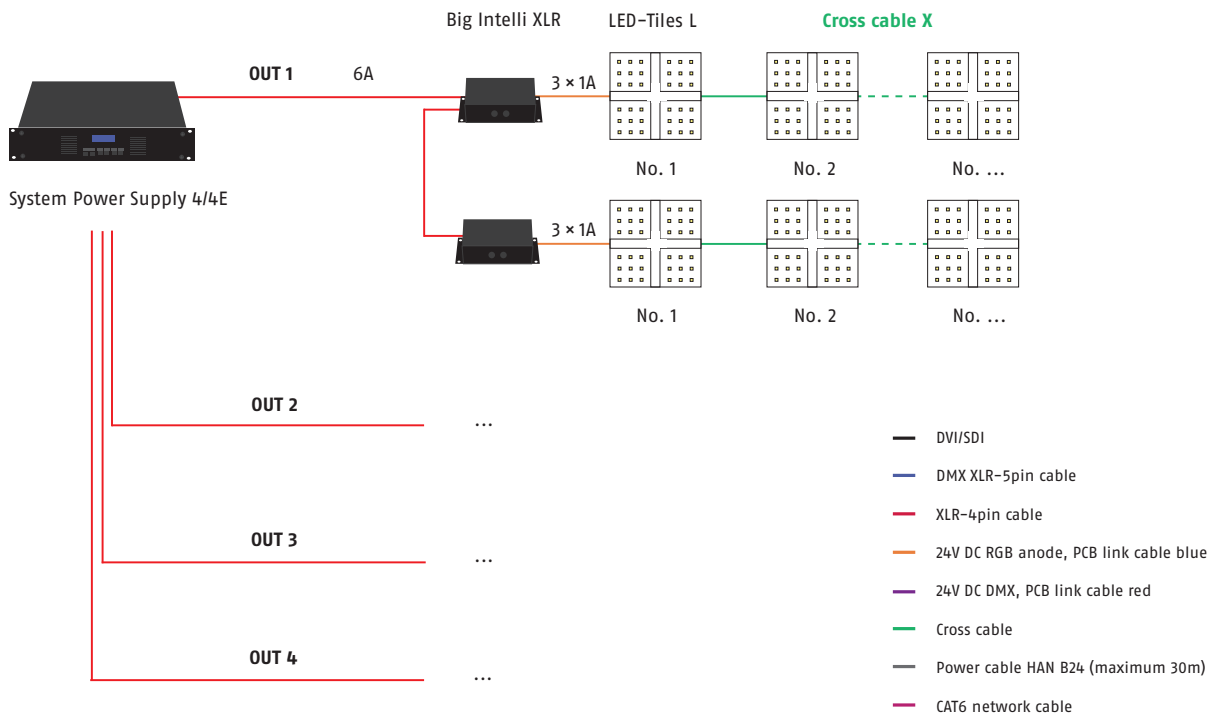


	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
with Big Intelli XLR*, two Big Intellis per output	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 3 LED-Tiles per channel	maximum 312 LED-Tiles per controller maximum 78 LED-Tiles per output 13 LED-Tiles per channel
with Intelligence* 1 LED tile per control channel	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 1 LED-Tile per channel	maximum 240 LED-Tiles per controller maximum 60 LED-Tiles per output 1 LED-Tile per channel
with Intelligence*, maximum number of LED tiles per Intelligence	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 1 LED-Tile per channel	maximum 288 LED-Tiles per controller maximum 72 LED-Tiles per output 4 LED-Tile per channel

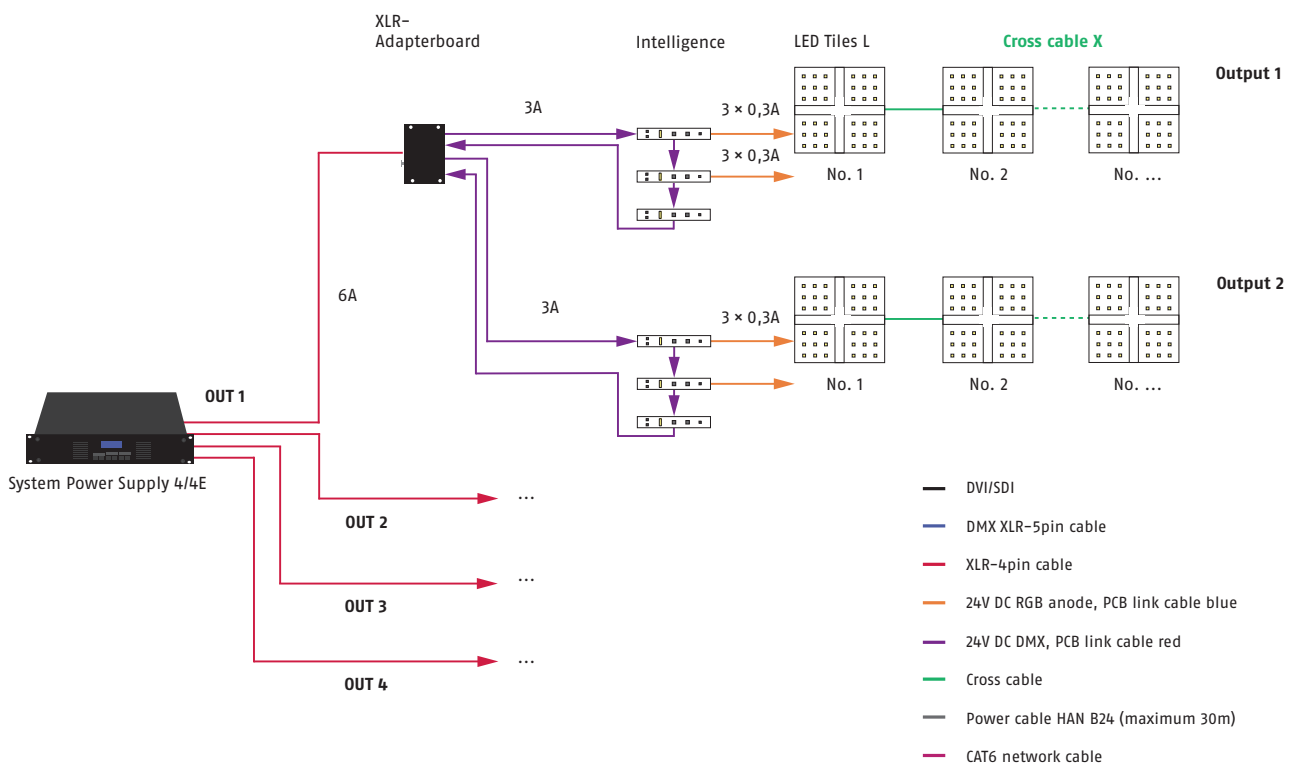
* The System Power Supplies 4 and 4E can only control the LED-Tiles L with an additional Intelligence.

** A System Power Supply 4 cannot control more than 60 channels per output.

Cabling example System Power Supply 4 or 4E and Big Intelli XLR with LED-Tile L33 MK3



Cabling example System Power Supply 4 or 4E and Intelligence with LED-Tile L33 MK3



DPB Pixel-Router Pro

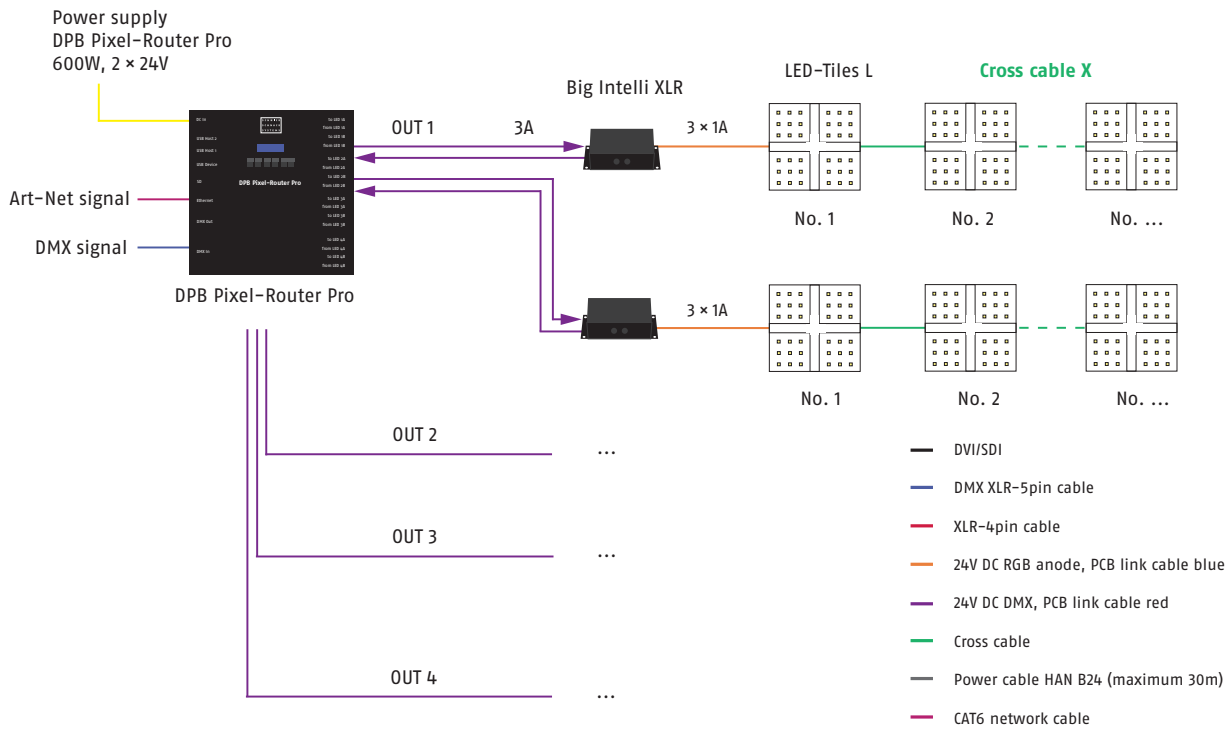
Specific feature: fanless operating



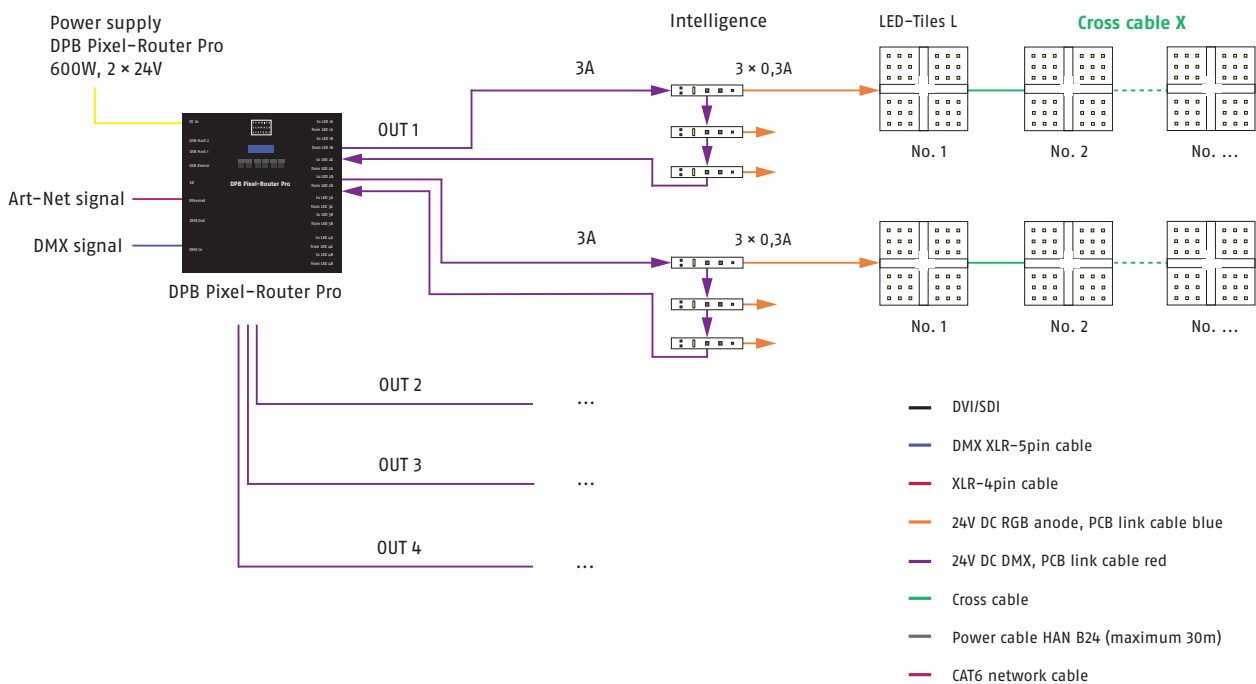
	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
with Big Intelli XLR*, two Big Intellis per output	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 3 LED-Tiles per channel	maximum 312 LED-Tiles per controller maximum 78 LED-Tiles per output 13 LED-Tiles per channel
with Intelligence* 1 LED tile per control channel	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 1 LED-Tile per channel	maximum 240 LED-Tiles per controller maximum 60 LED-Tiles per output 1 LED-Tile per channel
with Intelligence*, maximum number of LED tiles per Intelligence	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 1 LED-Tile per channel	maximum 288 LED-Tiles per controller maximum 72 LED-Tiles per output 4 LED-Tile per channel

*The DPB Pixel-Router Pro can only control the LED tiles of the L MK3 series with additional intelligence.

Cabling example DPB Pixel-Router Pro and Big Intelli XLR with LED-Tile L33 MK3



Cabling example DPB Pixel-Router Pro and Intelligence with LED-Tile L33 MK3



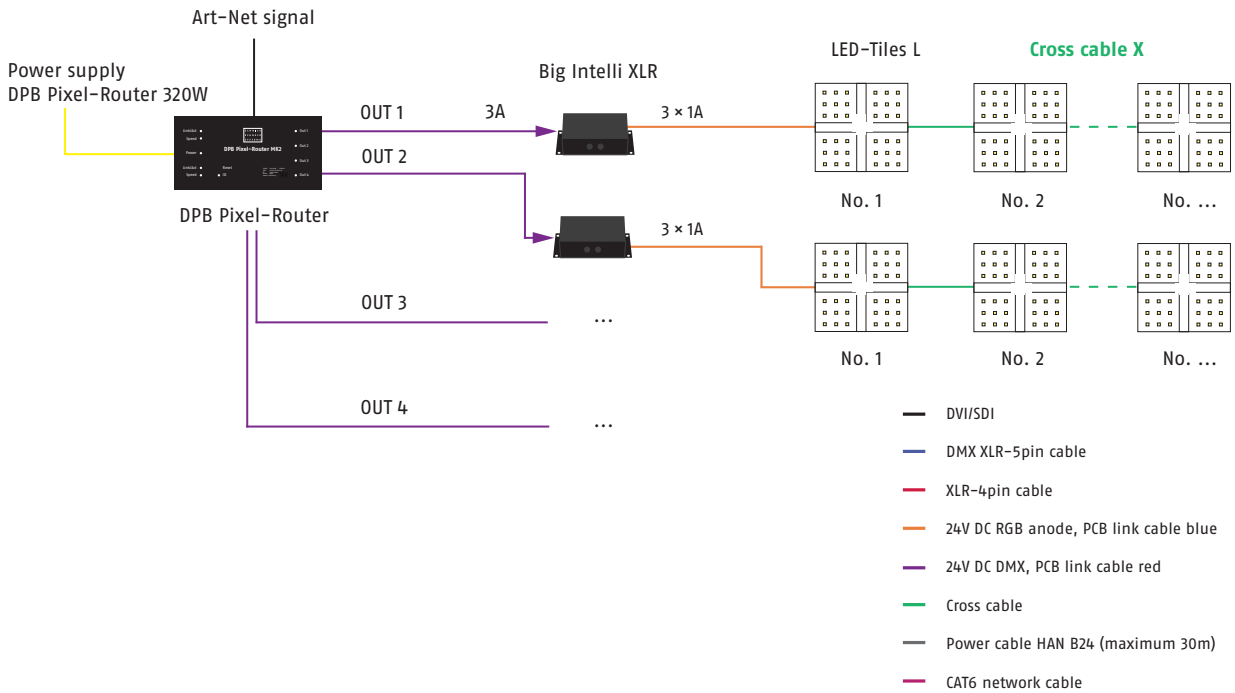
DPB Pixel-Router



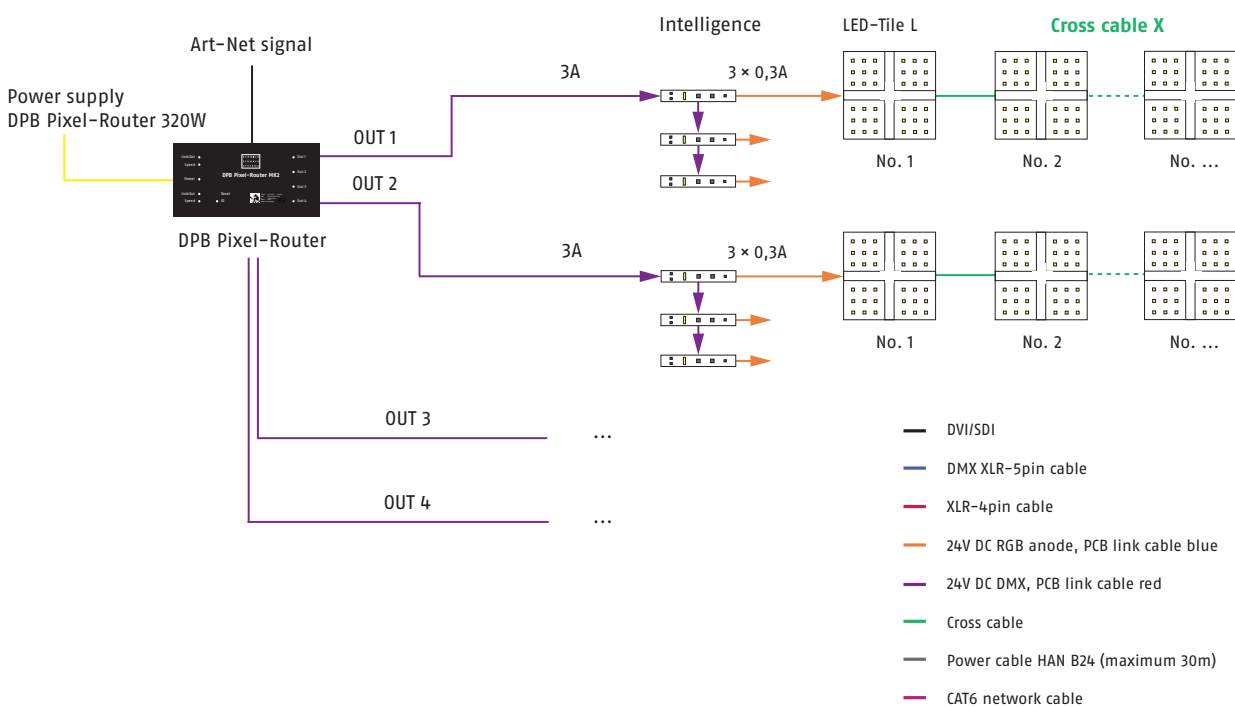
	LED-Tile L33-6-6 MK3	LED-Tile L33-3-3 MK3
with Big Intelli XLR*, two Big Intellis per output	maximum 36 LED-Tiles per controller maximum 9 LED-Tiles per output 3 LED-Tiles per channel	maximum 156 LED-Tiles per controller maximum 39 LED-Tiles per output 13 LED-Tiles per channel
with Intelligence* 1 LED tile per control channel	maximum 36 LED-Tiles per controller maximum 9 LED-Tiles per output 1 LED-Tiles per channel	maximum 120 LED-Tiles per controller maximum 30 LED-Tiles per output 1 LED-Tiles per channel
with Intelligence*, maximum number of LED tiles per Intelligence	maximum 36 LED-Tiles per controller maximum 9 LED-Tiles per output 1 LED-Tiles per channel	maximum 144 LED-Tiles per controller maximum 36 LED-Tiles per output 4 LED-Tiles per channel

The DPB Pixel Router can only control the LED tiles of the L MK3 series with additional intelligence.

Cabling example DPB Pixel-Router and Big Intelli XLR with LED-Tile L33 MK3



Cabling example DPB Pixel-Router and Intelligence with LED-Tile L33 MK3



70W Power Supply and Big Intelli (dimmable)



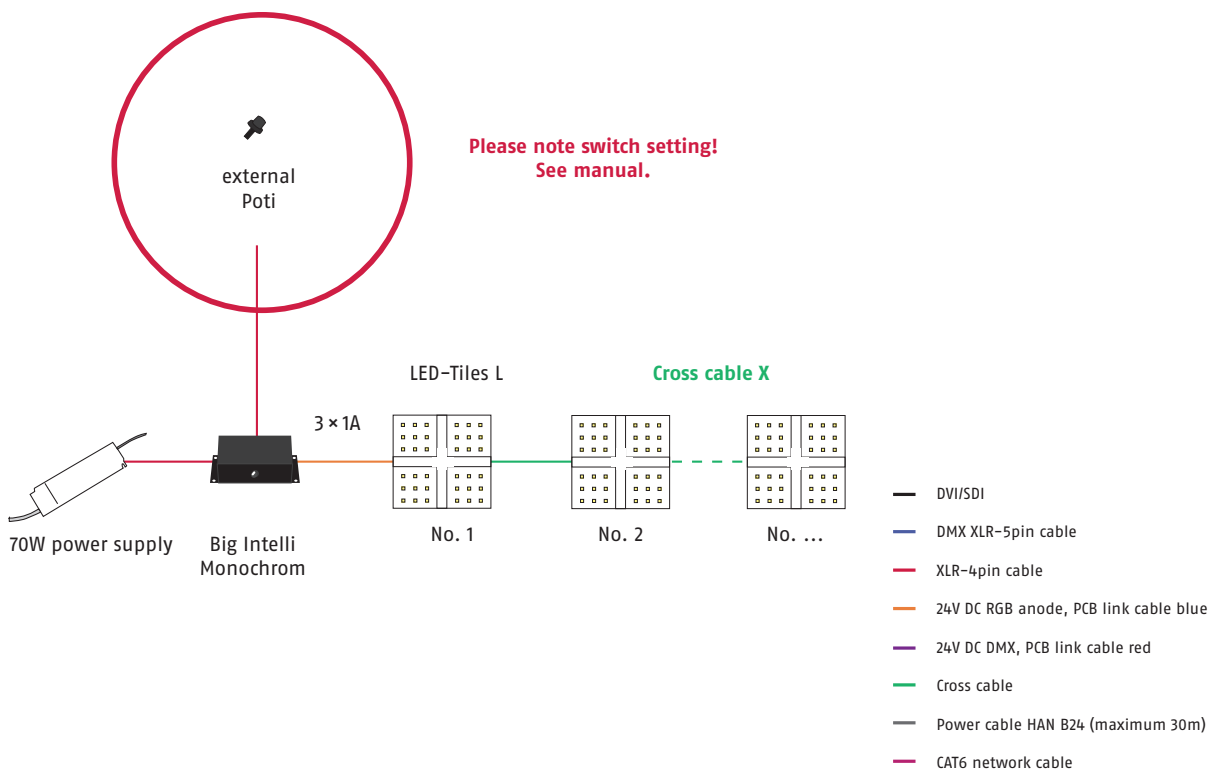
LED-Tile L33-6-6 MK3

maximum 9 LED-Tiles per Power Supply
 maximum 9 LED-Tiles per channel

LED-Tile L33-3-3 MK3

maximum 39 LED-Tiles per Power Supply
 maximum 39 LED-Tiles per channel

Cabling example for 70W Power Supply and Big Intelli with LED-Tile L33 MK3



60W Power Supply (undimmed)



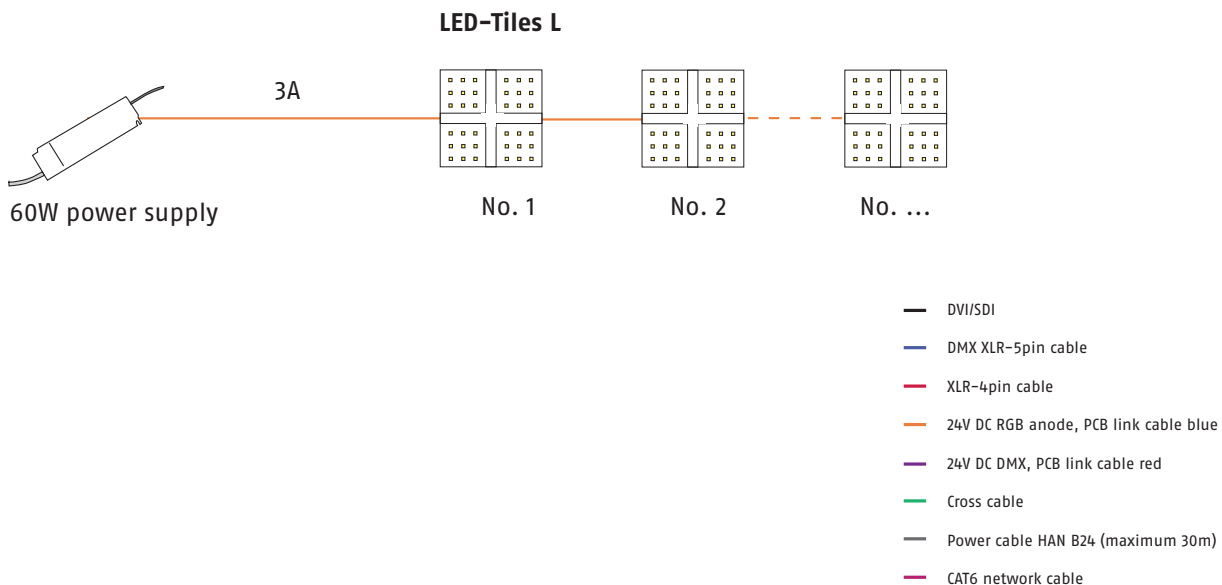
LED-Tile L33-6-6 MK3

maximum 10 LED-Tiles per Power Supply

LED-Tile L33-3-3 MK3

maximum 40 LED-Tiles per Power Supply

Cabling example 60W Power Supply with LED-Tile L33 MK3



Example of calculation

Calculation example for System Power Supply 4E with Intelligence and LED-Tile L33-6-6

1. requirement: One control channel per LED tile

One Intelligence can control $3 \times 0,3A$ (three control channels per Intelligence)

$3 \times 0,3A (I_{\max} \text{ L33-6-6}) =$	0,9A
Requirement for Intelligence	0,07A
Total	0,97

$3A$ per system plug / **0,97A** = **3 Intelligences, each with three LED tiles**

$2 \times 3A$ per Output $\triangleq 2 \times 9$ LED tiles = **18 LED tiles per output**

4 Outputs per System Power Supply 4E $\triangleq 4 \times 18 =$ **72 LED tiles per System Power Supply 4E**

2. requirement: As few Intelligences as possible should be used.

One Intelligence can control $3 \times 0,3A$

$0,3A$ per channel / $0,3A$ per LED tile = **1 LED tiles per channel**

Corresponds to $3 \times 1 = 3$ LED tiles per Intelligence

$3 \times 0,3A (I_{\max} \text{ L33-6-6}) =$	0,9A
Requirement for Intelligence =	0,07A
Total	0,97A

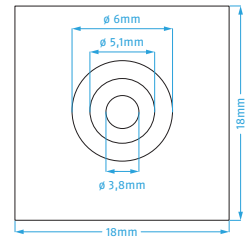
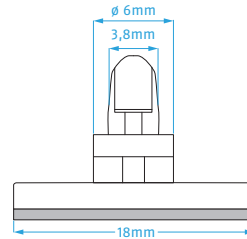
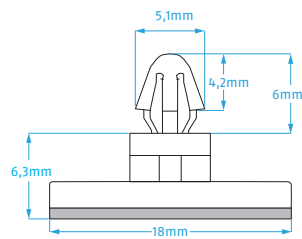
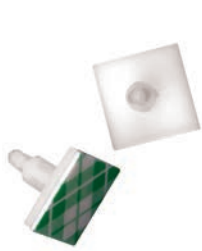
$3A$ per system plug $\triangleq 3A / 0,97A = 3$ Intelligences per system plug

$\triangleq 6$ Intelligences per output

$\triangleq 24$ Intelligences per System Power Supply 4(E)

$\triangleq 24 \times 3 =$ **LED tiles per System Power Supply 4E**

Mounting

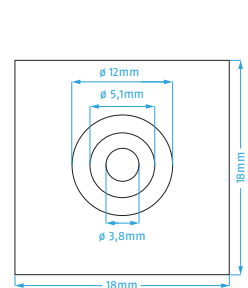
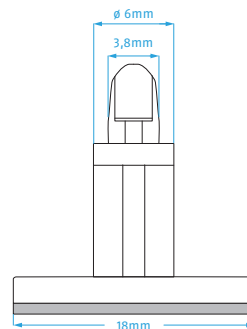
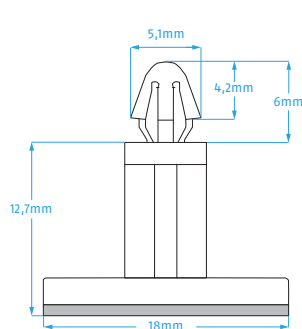


Description

PCB holder 6mm, self-adhesive version

Item number

802.0001

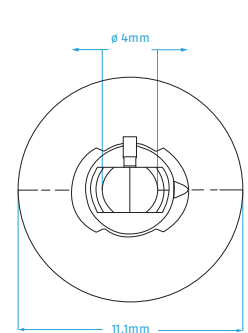
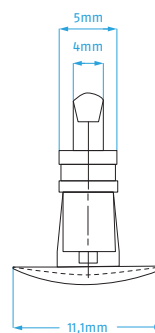
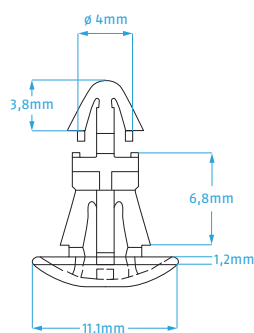


Description

PCB holder 12mm, self-adhesive version

Item number

802.0002



Description

PCB holder 6mm, plug-in version (for plates)

Item number

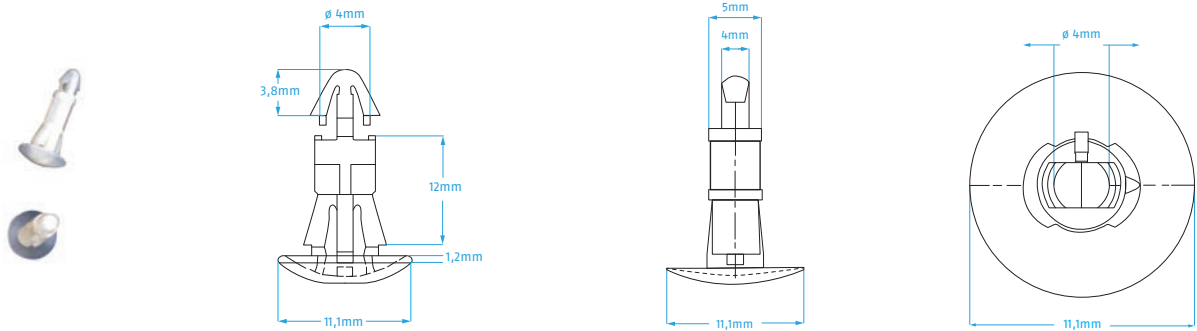
802.0003

Drill hole

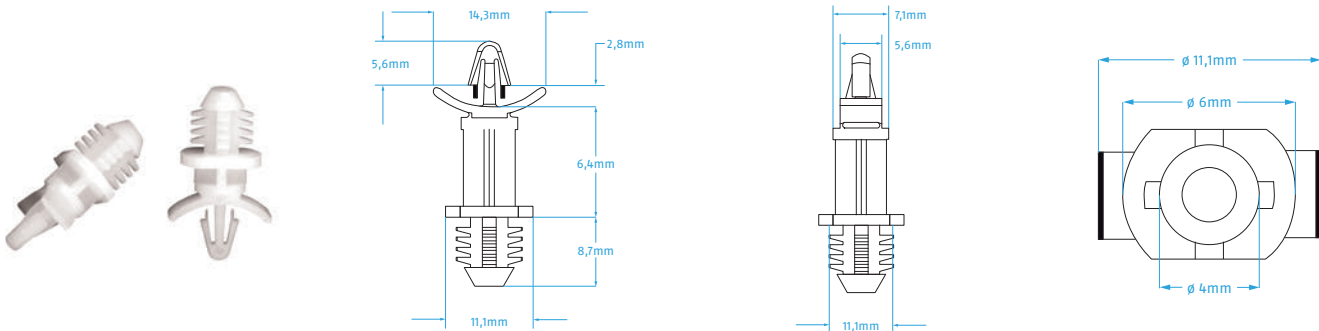
5,4mm

Material thickness

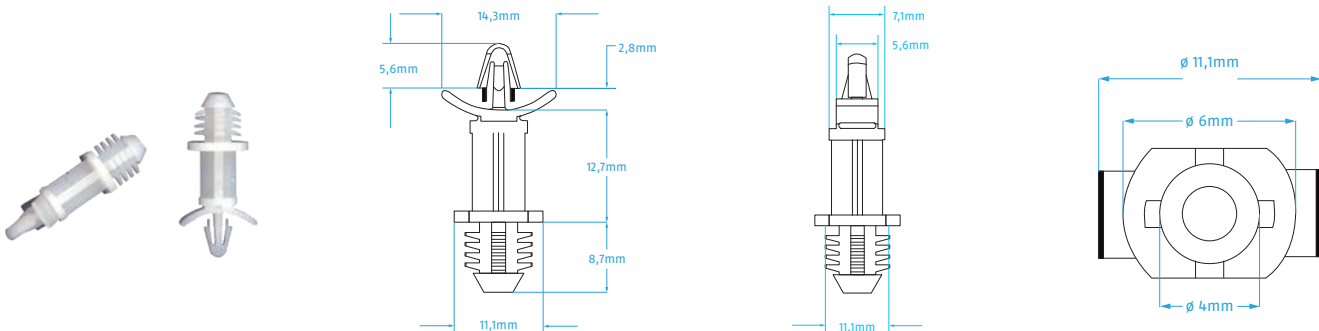
1,5-1,6mm



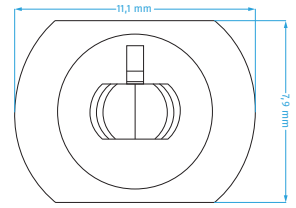
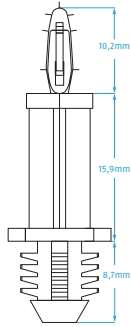
Description	Item number	Drill hole	Material thickness
PCB holder 12mm, plug-in version (for plates)	802.0004	5,4mm	1,5-1,6mm



Description	Item number	Drill hole	Material thickness
PCB holder 6mm, drill version (for wood or plastic)	802.0006	7,9mm	minimum 6,4mm



Description	Item number	Drill hole	Material thickness
PCB holder 12mm, drill version (for wood or plastic)	802.0007	7,9mm	minimum 6,4mm



Description	Item number	Drill hole	Material thickness
PCB holder 16mm, drill version (for wood or plastic)	802.0008	7,9mm	minimum 6,4mm

Accessories

Lenses



1 Lens Spot (19°)



2 Lens Spot frost (30°)



3 Lenses Medium (35°)



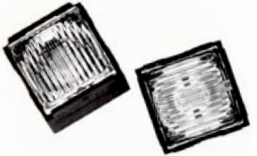
4 Lenses Wide (45°)



5 Lenses X-Wide (50°)



6 Oval Lenses (40° × 22°)



7 Oval Lenses (22° × 40°)

	Anzahl Linsen	Artikelnummer
Lens spot (approx. 19°) for LED-Tile L33-3-3 MK3 1	9	720.2206
Lens spot frost (approx. 30°) for LED-Tile L33-3-3 MK3 2	9	720.2306
Lenses Medium (approx. 35°) for LED-Tile L33-3-3 MK3 3	9	720.2406
Lenses Wide (approx. 45°) for LED-Tile L33-3-3 MK3 4	9	720.2506
Lenses X-Wide (approx. 50°) for LED-Tile L33-3-3 MK3 5	9	720.2606
Oval Lenses (approx. 40° × 22°) for LED-Tile L33-3-3 MK3 6	9	720.2706
Oval Lenses (approx. 22° × 40°) for LED-Tile L33-3-3 MK3 7	9	720.2806
Lens spot (approx. 19°) for LED-Tile L33-6-6 MK3	36	720.2207
Lens spot frost (approx. 30°) for LED-Tile L33-6-6 MK3	36	720.2307
Lenses Medium (approx. 35°) for LED-Tile L33-6-6 MK3	36	720.2407
Lenses Wide (approx. 45°) for LED-Tile L33-6-6 MK3	36	720.2507
Lenses X-Wide (approx. 50°) for LED-Tile L33-6-6 MK3	36	720.2607
Oval Lenses (approx. 40° × 22°) for LED-Tile L33-6-6 MK3	36	720.2707
Oval Lenses (approx. 22° × 40°) for LED-Tile L33-6-6 MK3	36	720.2807

The lenses are firmly mounted to the boards and the assembly is included in the price.

Order numbers

	LED-Pitch	Backlighted surface	Channels	Power (I _{max})	Colour	Item number
LED-Tile L33-3-3 MK3 S ²	33mm	100mm × 100mm	0/1 ¹	0,075A	2000K	115.8201
					2200K	115.8301
					3000K (R _a >90)	115.8601
					3500K (R _a >90)	115.8701
					6500K (R _a >90)	115.9201
					2500K	115.8401
					2700K (R _a >90)	115.8501
					4000K (R _a >90)	115.8801
					4500K (R _a >90)	115.8901
					5000K (R _a >90)	115.9001
					5700K (R _a >90)	115.9101
					2700K AS	115.8505
					3000K AS	115.8605
					3500K AS	115.8705
					4000K AS	115.8805
					Meat	115.9801
					Rot	115.9401
					Grün	115.9501
					Blau	115.9601
					Amber	115.9701
LED-Tile L33-6-6 MK3 S ²	33mm	200mm × 200mm	0/1 ¹	0,3A	2000K	115.8202
					2200K	115.8302
					3000K (R _a >90)	115.8602
					3500K (R _a >90)	115.8702
					6500K (R _a >90)	115.9202
					2500K	115.8402
					2700K (R _a >90)	115.8502
					4000K (R _a >90)	115.8802
					4500K (R _a >90)	115.8902
					5000K (R _a >90)	115.9002
					5700K (R _a >90)	115.9102
					2700K AS	115.8506
					3000K AS	115.8606
					3500K AS	115.8706
					4000K AS	115.8806
					Meat	115.9802
					Rot	115.9402
					Grün	115.9502
					Blau	115.9602
					Amber	115.9702

1) The product can be controlled individually or in groups with an Intelligence.

2) Connector version. The products are also available as solder versions.

	Operating voltage	Power (I_{max})	Power (auxiliary power)	Channels	Connection	Item number
LED-Intelligence	24V DC	3 × 0,3A	0,07A	3	System connector red/blue	302.0015
Big Intelli XLR (in case)	24V DC	3 × 1A	0,07A	3	System connector red/blue XLR-4pin	203.0030
Big Intelli Monochrome (in case)	24V DC	3 × 1A		1	System connector red/blue	203.0031

	Operating voltage	Power (I_{max})	Channels	Input	Output	Item number
System Power Supply 4E	110-240V AC	4 × 6A*	4 × 3072 channels (DPB) 4 × 512 channels (DMX)	Ethercon RJ 45 XLR-5pin IN/Through	4 × XLR-4pin	203.0003
System Power Supply 4	110-240V AC	4 × 6A	4 × 60	XLR-5pin IN/Through	4 × XLR-4pin	203.0002
DPB Pixel-Router Pro	100-240 V AC	4 × 2 × 3A	4 × 3072 channels (DPB) 4 × 512 channels (DMX)	Ethercon RJ 45 XLR-5pin IN/Through	System connector red	203.0023
DPB Pixel-Router MK2.6	24V DC	4 × 3A	4 × 3072 channels	RJ 45	4 × System connector red	203.0021
DPB Pixel-Router POE MK2.6	24V DC	4 × 3A	4 × 3072 channels	RJ 45	4 × System connector red	203.0022
Sys One	110-240V AC	1 × 6A oder 2 × 3A oder 2 × (3 × 1A)	1 × 512** or 2 × 512**	XLR-5pin IN/Through	1 × XLR-4pin 2 × System connector red 2 × System connector blue	203.0007
Long Distance Controller	110-240V AC	6 × (R: 0,9A + G: 1,1A + B: 1,1A)	18	XLR-5pin IN/Through	Multicore-24pin	203.0001
70W-Power Supply (24V DC)	220-240V AC				System connector red	204.0151
60W-Power Supply (20V DC)	100-240V AC				System connector blue (L-Series)	204.0653

* Note: american version only 4 × 4A at 110V

** depending on the output configuration

ESD warning

Please be aware that electrostatic discharges can destroy LED boards, and our experience shows that this does happen. During assembly, we recommend wearing at least one antistatic wrist strap and avoiding static discharges – such as those that arise when removing protective film or dry cleaning acrylic glass, for example – near LEDs! Antistatic materials should be used when packaging the LED boards. Normal bubble wrap or other plastic bags are not suitable.

For reasons of safety and radio shielding, please only use systems we have approved to provide a power supply for our LED components. All technical information is based on the version at the time of printing.

We reserve the right to make technical specifications in terms of a product improvement without prior notice. Printing – even excerpts – requires the written consent of Schnick-Schnack-Systems GmbH.

Why Schnick Schnack Systems?

As installation times become increasingly shorter the complexity of systems simultaneously increases as do the requirements of customers.

We are a supplier who delivers high-quality reliable systems – under tight deadline constraints that are not only quick to install but also simple to operate and service.

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