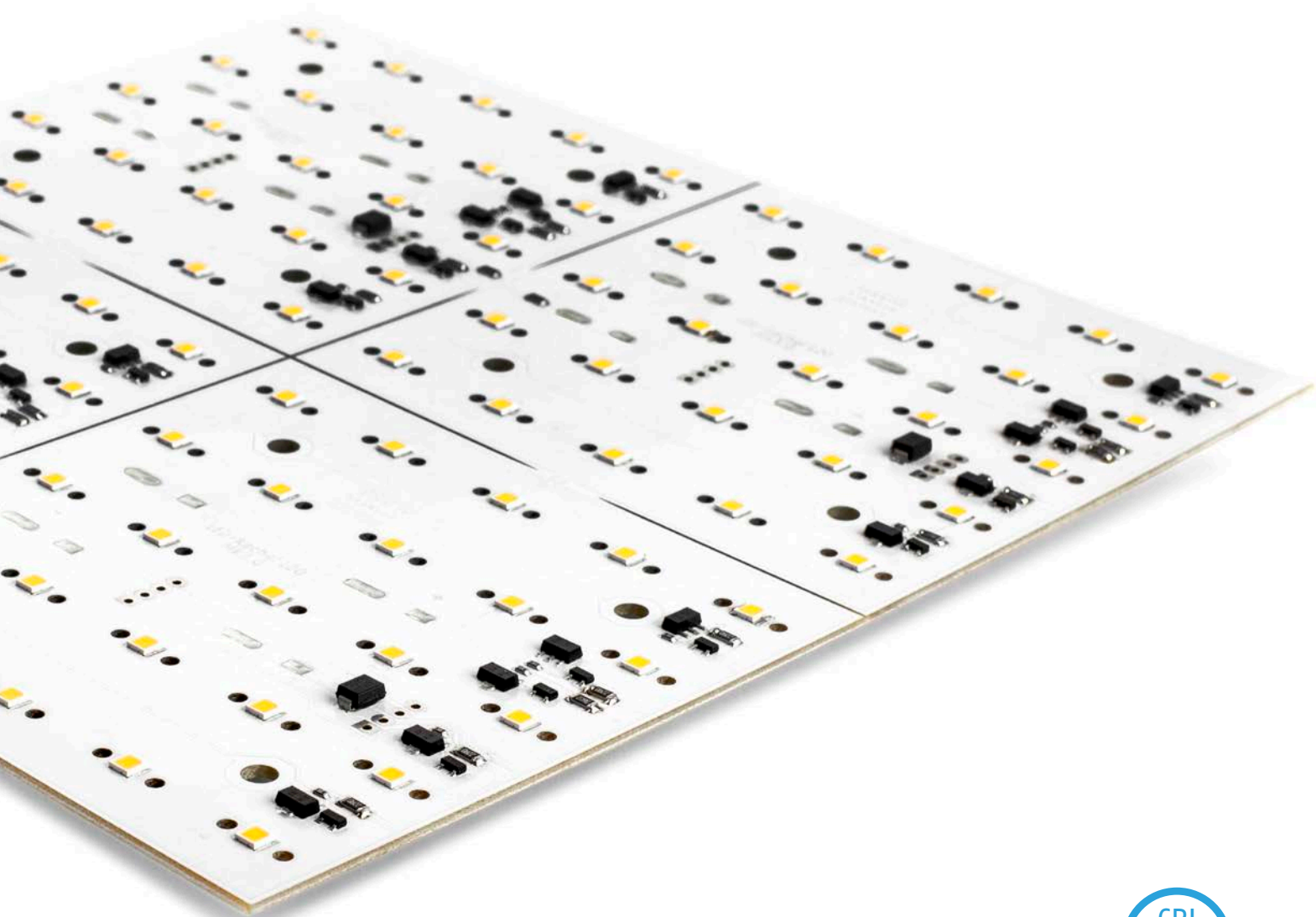


LED-Tile L20 MK3

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 L20-10-10 MK3	LED-Tile L20-5-5 MK3
Dimensions	199mm × 199mm	99,5mm × 99,5mm
Number of LEDs	100	25
Current (I _{max})	0,6A	0,15A
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*	982lm	246lm
Luminous intensity*	333cd	83cd

Overview of control options

	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
System Power Supply 4/4E	with Intelligence 1 LED tile per control channel	120 LED-Tiles per controller 1 LED-Tile per channel
	with Intelligence maximum number of LED tiles per Intelligence	144 LED-Tiles per controller 2 LED-Tiles per channel
	with Big Intelli XLR	36 LED-Tiles per controller 1 LED-Tile per channel
DPB Pixel-Router Pro	with Intelligence 1 LED tile per control channel	120 LED-Tiles per controller 1 LED-Tile per channel
	with Intelligence maximum number of LED tiles per Intelligence	144 LED-Tiles per controller 2 LED-Tiles per channel
	with Big Intelli XLR	24 LED-Tiles per controller 1 LED-Tile per channel
DPB Pixel-Router	with Intelligence 1 LED tile per control channel	60 LED-Tiles per controller 1 LED-Tile per channel
	with Intelligence maximum number of LED tiles per Intelligence	72 LED-Tiles per controller 2 LED-Tiles per channel
	with Big Intelli XLR	12 LED-Tiles per controller 1 LED-Tile per channel
Sys One	with Intelligence 1 LED tile per control channel	30 LED-Tiles per controller 1 LED-Tile per channel
	with Intelligence maximum number of LED tiles per Intelligence	36 LED-Tiles per controller 2 LED-Tiles per channel
	Output System connector blue	6 LED-Tiles per controller 1 LED-Tile per channel
Long Distance Controller		18 LED-Tiles per Power Supply 1 LED-Tile per channel
		108 LED-Tiles per controller 6 LED-Tiles per channel
Big Intelli Monochrom with 70W power supply		3 LED-Tiles per Power Supply 3 LED-Tiles per channel
		18 LED-Tiles per Power Supply 18 LED-Tiles per channel
60 W power supply (undimmed)		5 LED-Tiles per Power Supply 20 LED-Tiles per Power Supply

* The values are measured with a LED-Tile L20-10-10 and L20-5-5 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 L20 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 L20-10-10 is available in the dimensions of 199 mm × 199 mm equipped with 100 LEDs in a pitch of 20 mm. The LED-Tile can be easily disassembled by hand into four smaller tiles with dimensions 99,5 mm × 99,5 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 homogenous 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

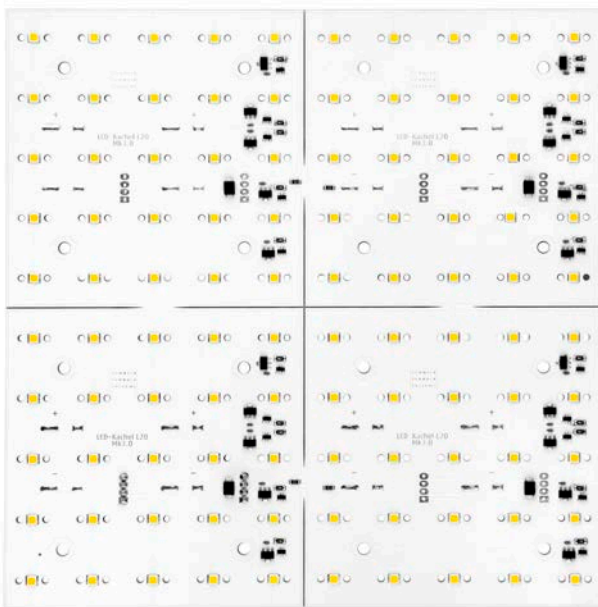
The LED-Tiles L20 can be controlled directly via the Long Distance Controller or the Sys One. Alternatively, they can also be controlled with the help of Intelligences or Big Intellis via the DPB Pixel-Router, the DPB Pixel-Router Pro, the System Power Supply 4E or the System Power Supply 4. For small 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.

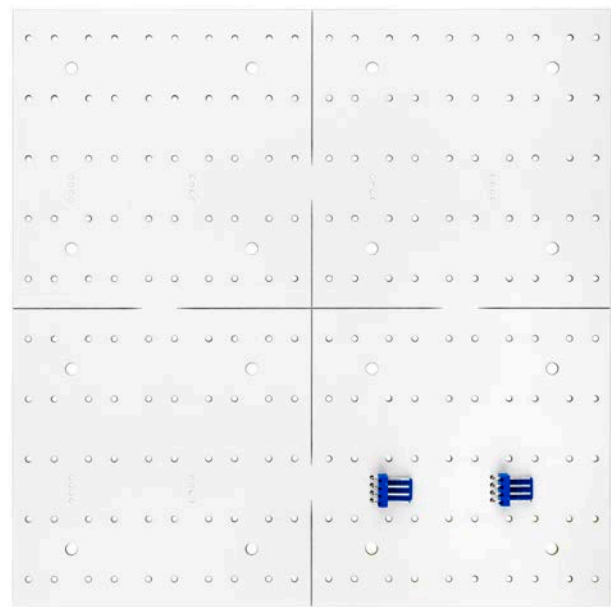
The LED-Tiles L33 MK2 are plug-compatible with the existing RGB LED system from Schnick-Schnack-Systems: Each of the three RGB channels is used to activate the LED-Tiles L. By using special cross cables*, each LED tile in a section can be assigned to a channel. So the structure is simple. Thanks to the 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

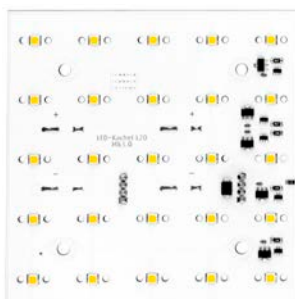
Features	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
Dimensions	199 mm × 199 mm	99,5 mm × 99,5 mm
Backlighted area	200 mm × 200 mm	100 mm × 100 mm
LED-Pitch	20 mm	20 mm
Number of LEDs	100	25
Pin connection and -colour	System connector blue	System connector blue
Safety class	IP00	IP00
Weight	127g	31g



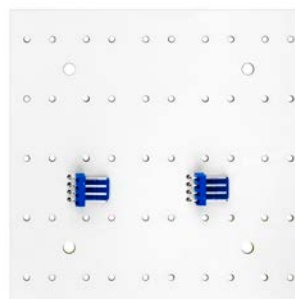
LED-Tile L20-10-10 (front view)



LED-Tile L20-10-10 (rear view)

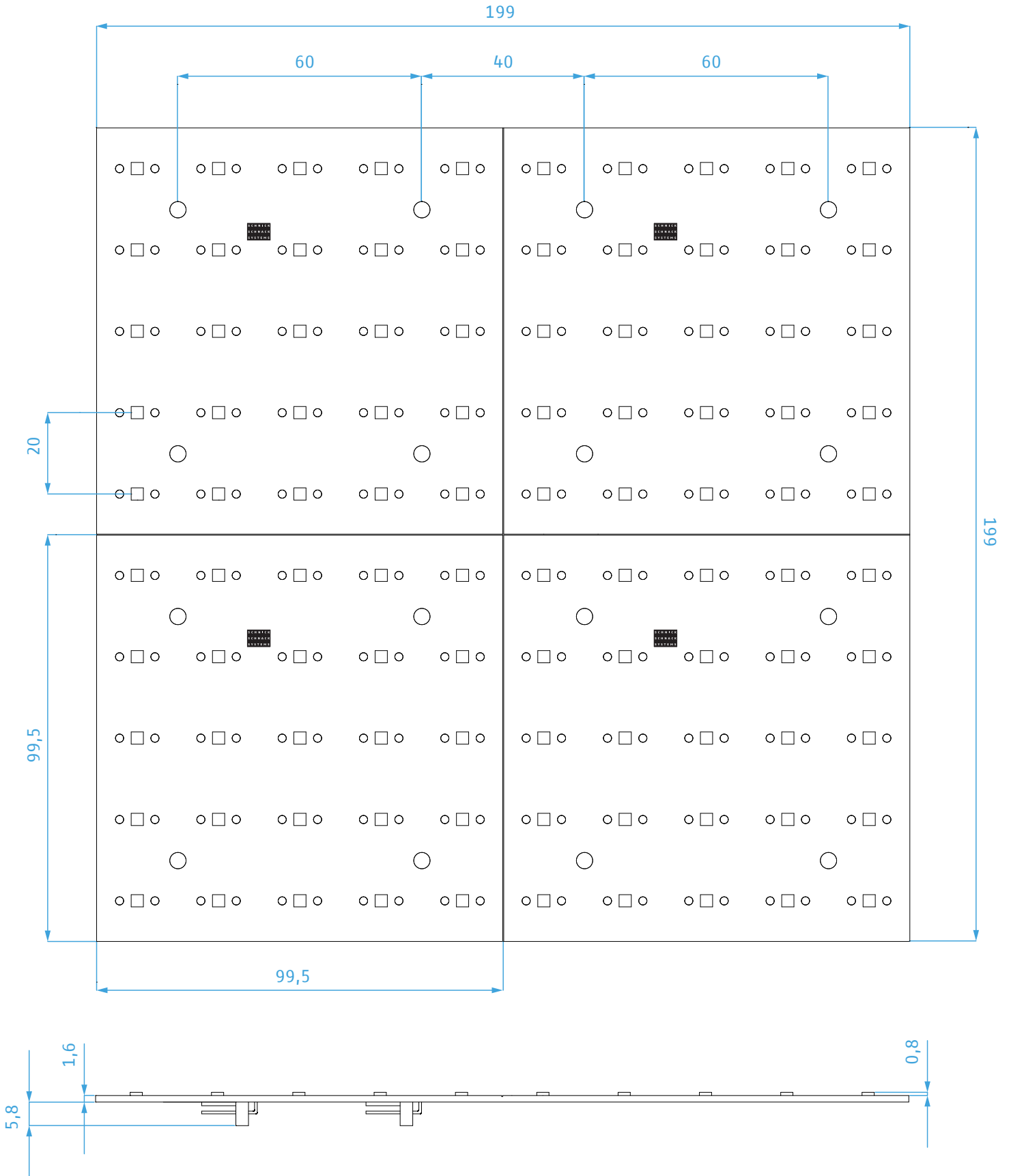


LED-Tile L20-5-5 (front view)

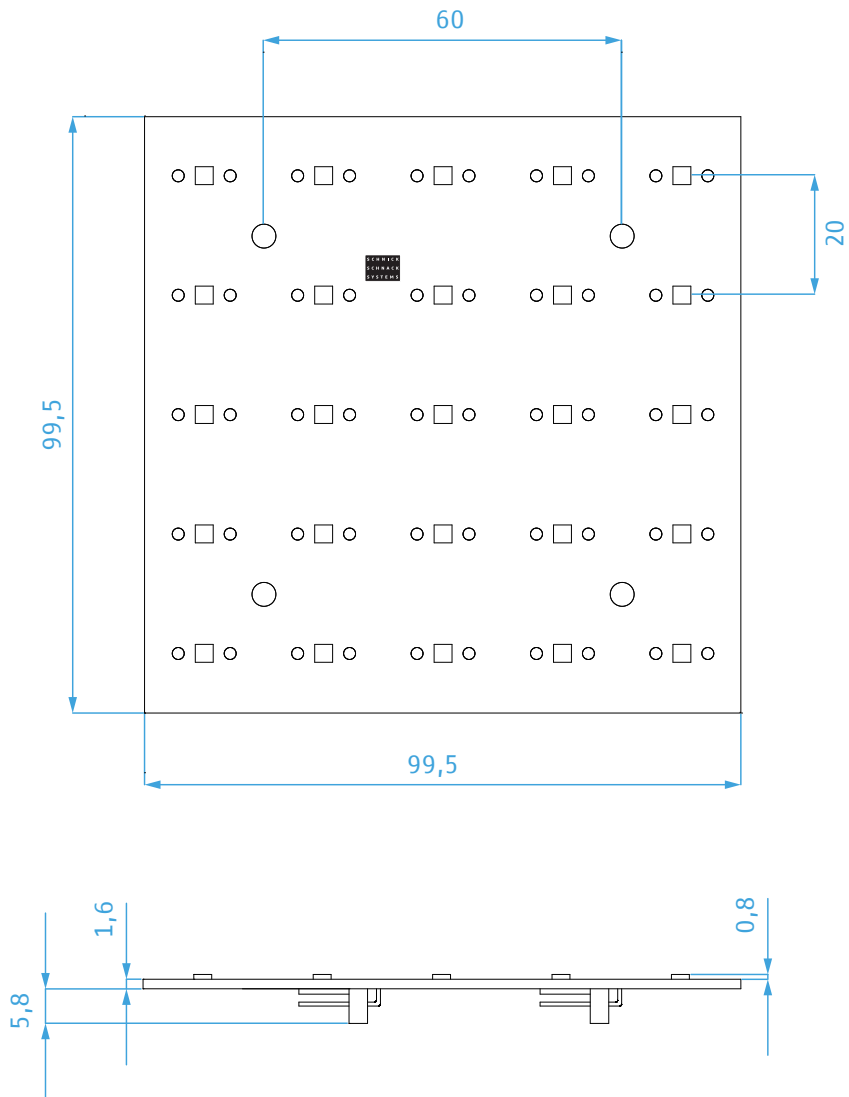


LED-Tile L20-5-5 (rear view)

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 L20-10-10 MK3	115°	2000K	784lm	76,9lm/W	84,4	273cd
		2200K	790lm	77,5lm/W	85,2	274cd
		2500K	921lm	90,3lm/W	85,4	311cd
		2700K	874lm	85,7lm/W	93,8	306cd
		2700K AS	570lm	55,9lm/W	73,1	201cd
		3000K	908lm	89,1lm/W	94,2	314cd
		3000K AS	598lm	58,6lm/W	74,1	208cd
		3500K	920lm	90,2lm/W	95,5	317cd
		3500K AS	647lm	63,4lm/W	76,1	226cd
		4000K	967lm	94,8lm/W	94,8	325cd
		4000K AS	671lm	65,8lm/W	77,3	231cd
		4500K	978lm	95,8lm/W	93,6	333cd
		5000K	965lm	94,6lm/W	95,2	332cd
		5700K	963lm	94,4lm/W	96,3	328cd
		6500K	982lm	96,3lm/W	95,9	333cd
		Red	369lm	36,2lm/W		123cd
		Green	972lm	95,3lm/W		324cd
		Blue	251lm	24,6lm/W		84cd
		Amber	1140lm	111,8lm/W		392cd
		Meat	680lm	66,7lm/W	72,4	234cd
LED-Tile L20-5-5 MK3	115°	2000K	196lm	76,9lm/W	84,4	68cd
		2200K	198lm	77,5lm/W	85,2	69cd
		2500K	230lm	90,3lm/W	85,4	78cd
		2700K	219lm	85,7lm/W	93,8	76cd
		2700K AS	143lm	55,9lm/W	73,1	50cd
		3000K	227lm	89,1lm/W	94,2	78cd
		3000K AS	150lm	58,6lm/W	74,1	52cd
		3500K	230lm	90,2lm/W	95,5	79cd
		3500K AS	162lm	63,4lm/W	76,1	56cd
		4000K	242lm	94,8lm/W	94,8	81cd
		4000K AS	168lm	65,8lm/W	77,3	58cd
		4500K	245lm	95,8lm/W	93,6	83cd
		5000K	241lm	94,6lm/W	95,2	83cd
		5700K	241lm	94,4lm/W	96,3	82cd
		6500K	246lm	96,3lm/W	95,9	83cd
		Rot	92lm	36,2lm/W		31cd
		Grün	243lm	95,3lm/W		81cd
		Blau	63lm	24,6lm/W		21cd
		Amber	285lm	111,8lm/W		98cd
		Meat	170lm	66,7lm/W	72,4	59cd

Distance/Lux table***

Distance	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
0,5m	1332lx	332lx
1m	333lx	83lx
2m	83lx	21lx

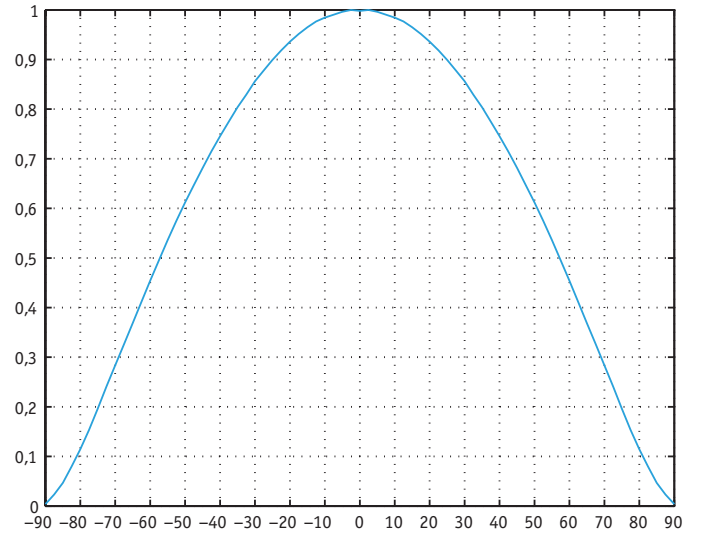
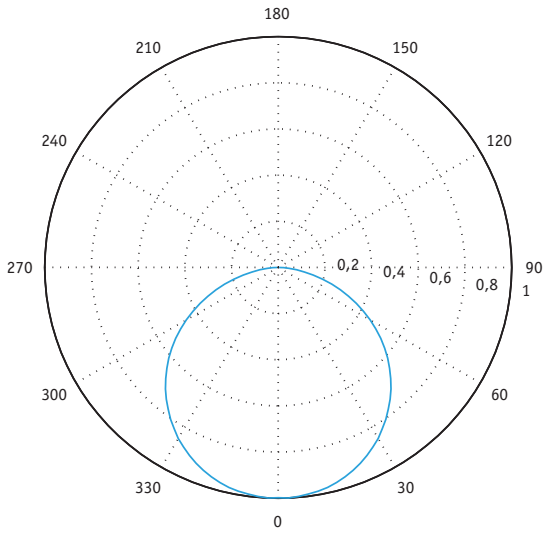
* Luminous flux is measured after at least 60 seconds of power-on time. Measuring is according according to DIN 5032-1 (1999) „Light measurement Photometric methods“ 9.5.4 „[luminous flux] determination with a sphere photometer according to Ulbricht“. Sphere diameter is 1000mm. Comparison lamp is a halogen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

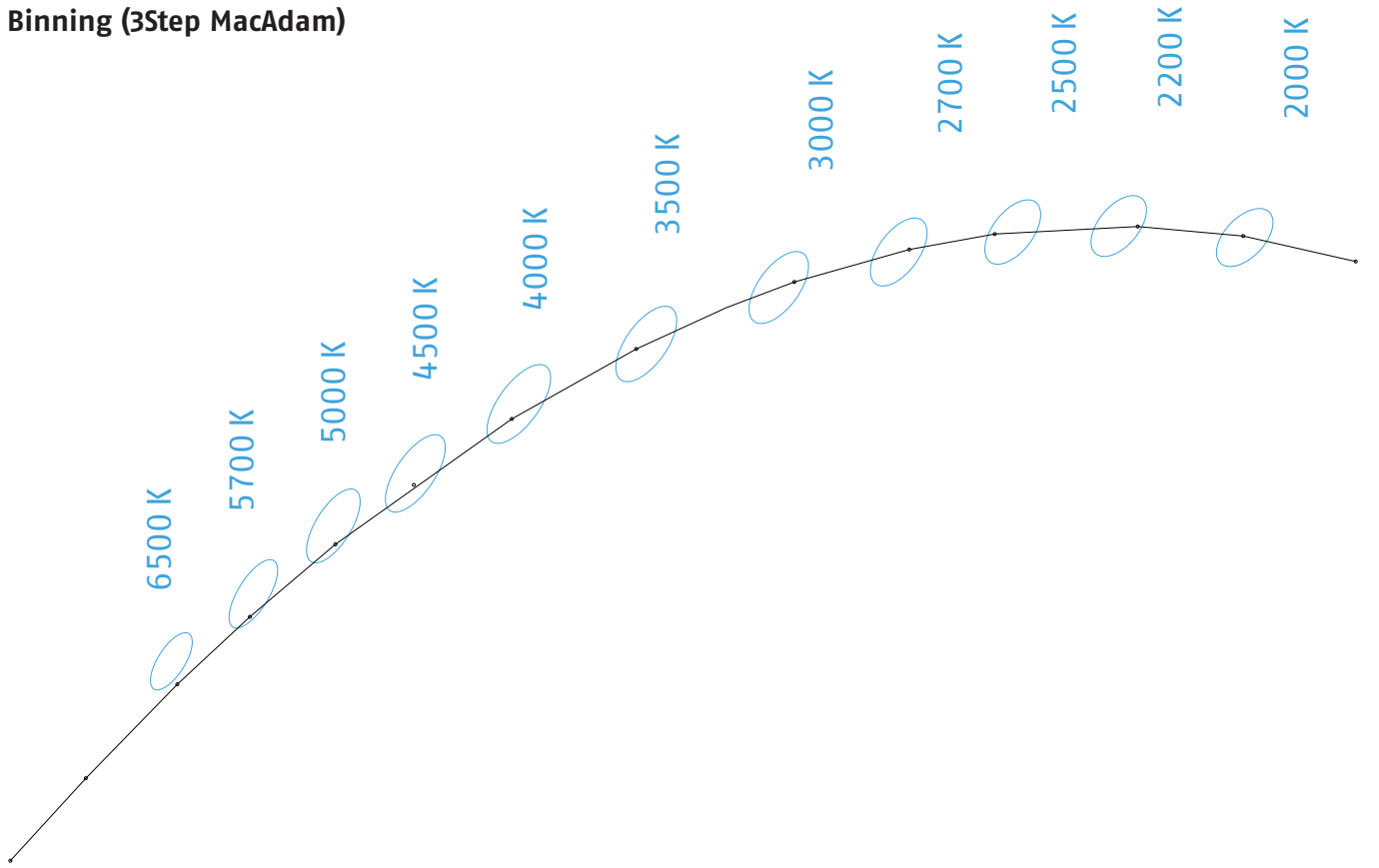
*** The values are measured with a LED-Tile L20-10-10 and L20-5-5 in the colour temperature 6500K (others on request).

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.

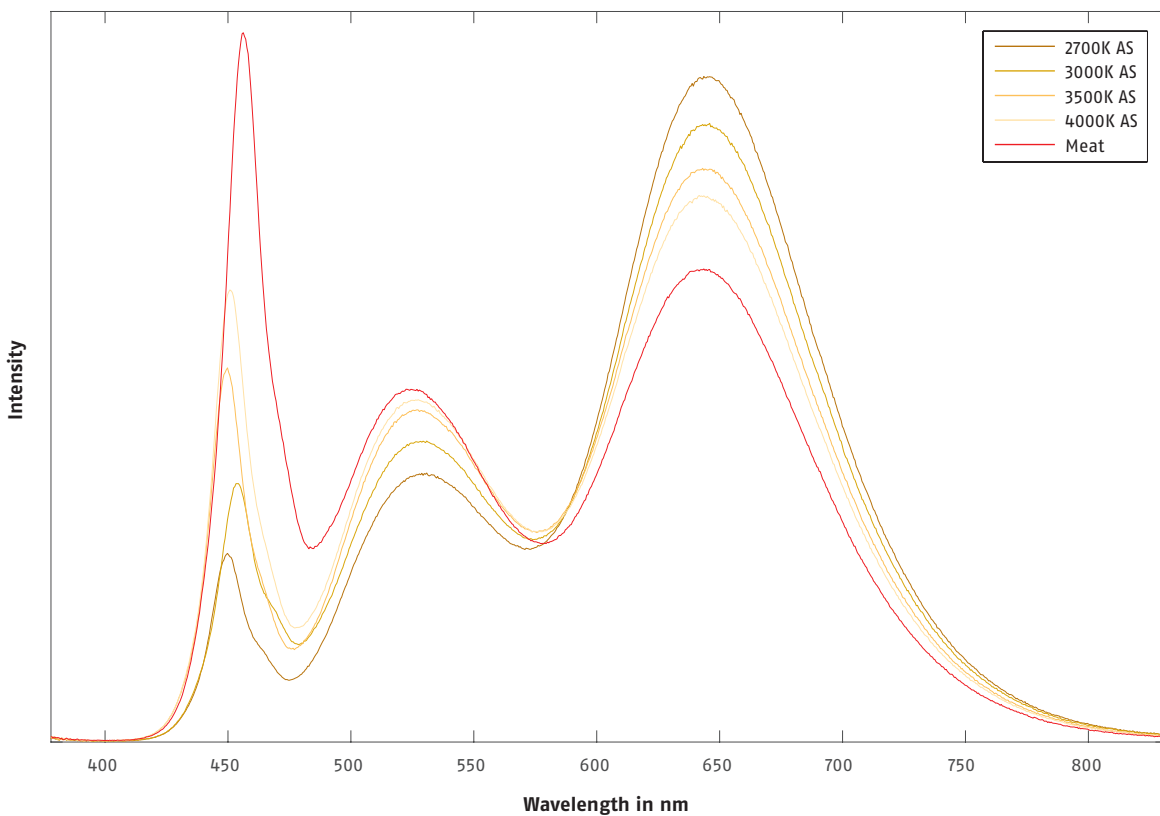
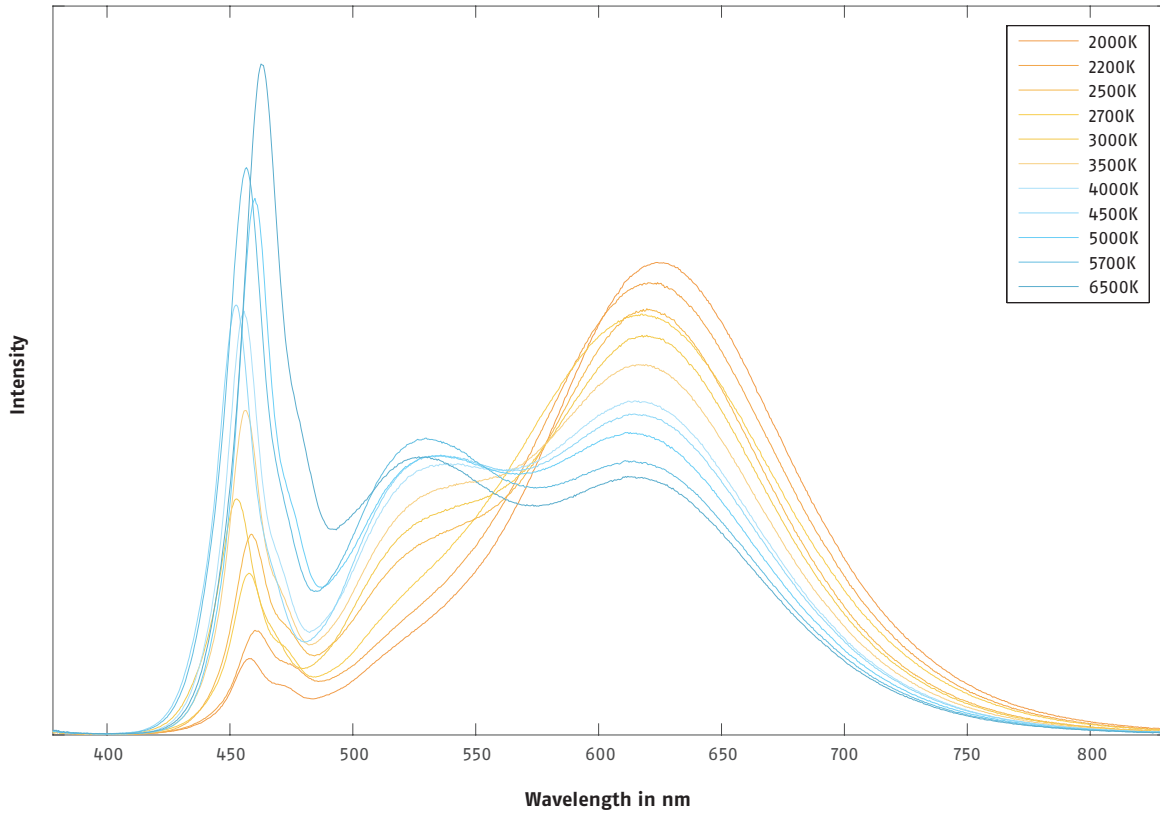
Light distribution curves

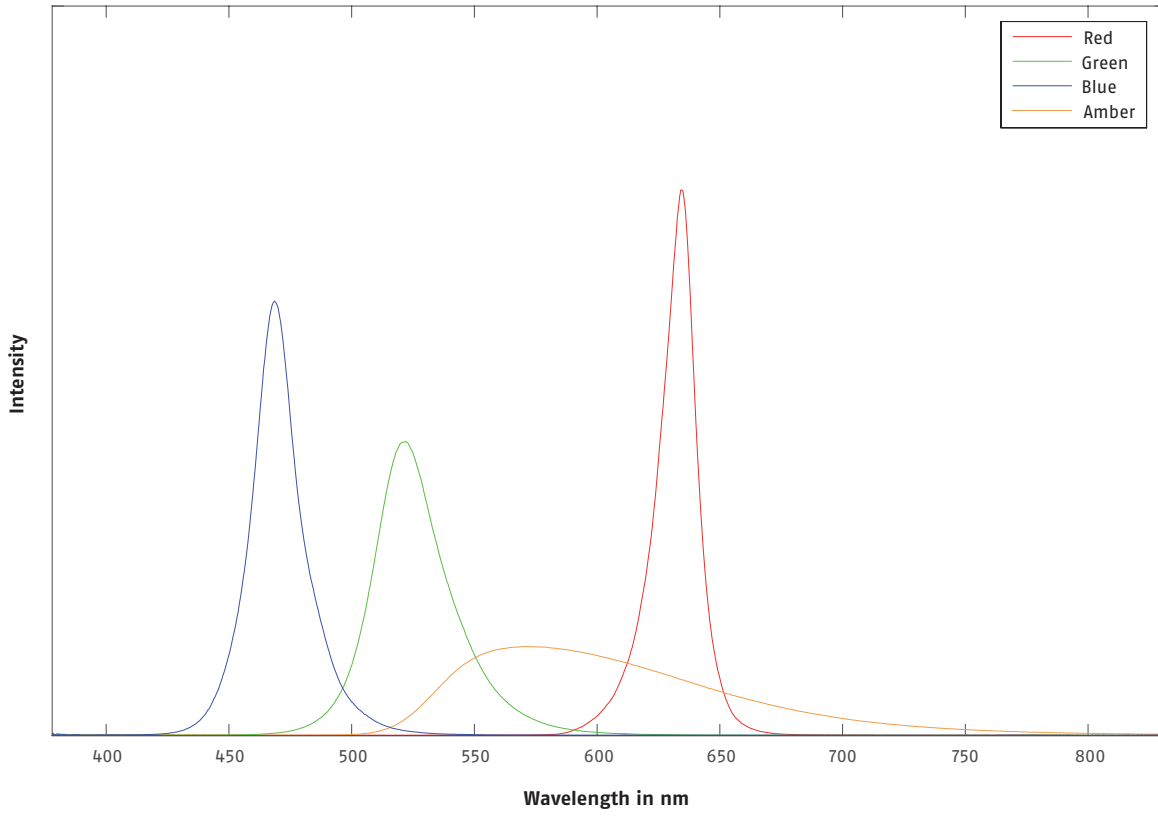


Binning (3Step MacAdam)



Spectral distribution





Electrical data

Features	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
Voltage range	20-27V	20-27V
Current (I_{max})	0,6A	0,15A

Pin Connection

System connector blue



Control options for LED-Tile L20 MK3

Long Distance Controller



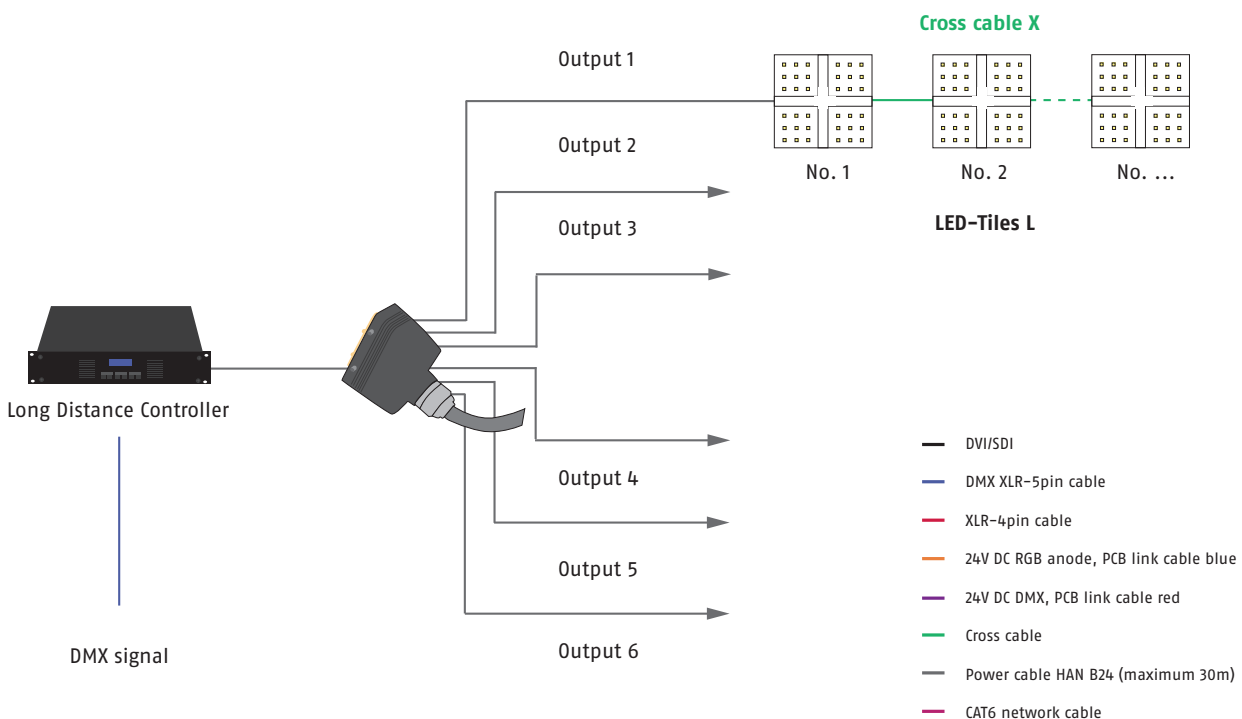
LED-Tile L20-10-10 MK3

maximum 18 LED-Tiles per controller
 maximum 3 LED-Tiles per output
 maximum 1 LED-Tile per channel

LED-Tile L20-5-5 MK3

maximum 108 LED-Tiles per controller
 maximum 18 LED-Tiles per output
 maximum 6 LED-Tiles per channel

Cabling example Long Distance Controller with LED-Tile L20 MK3



Sys One

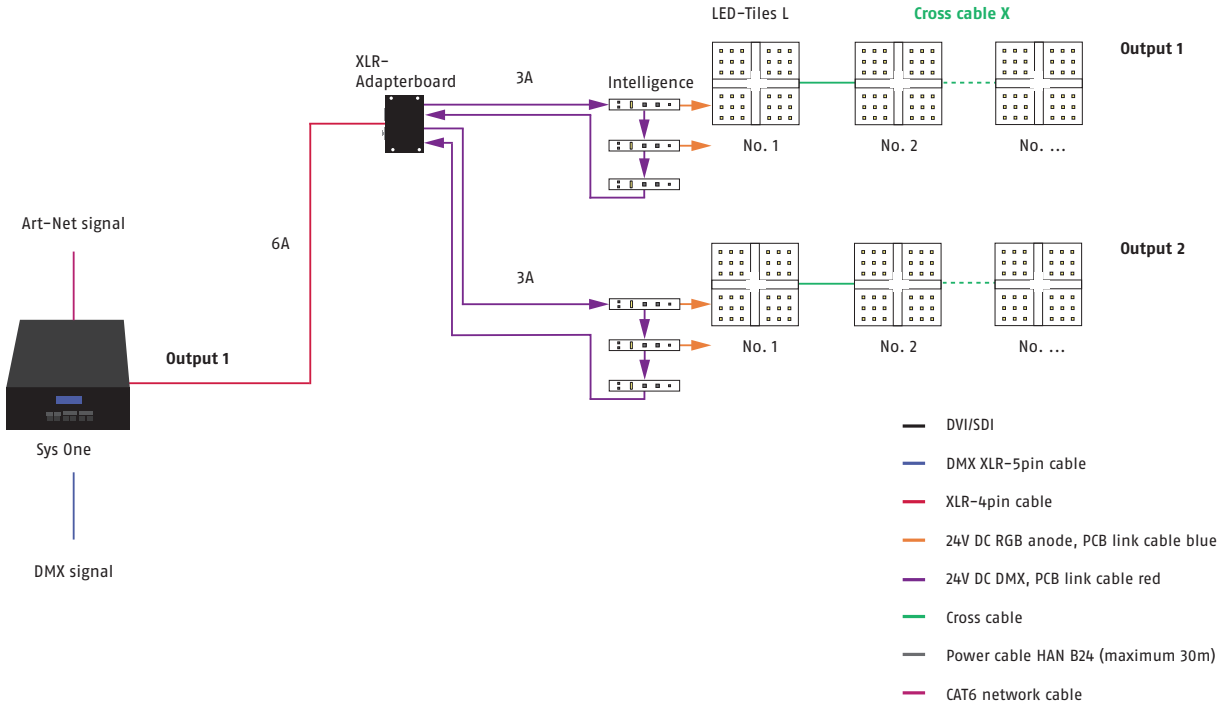
Specific feature: fanless operating



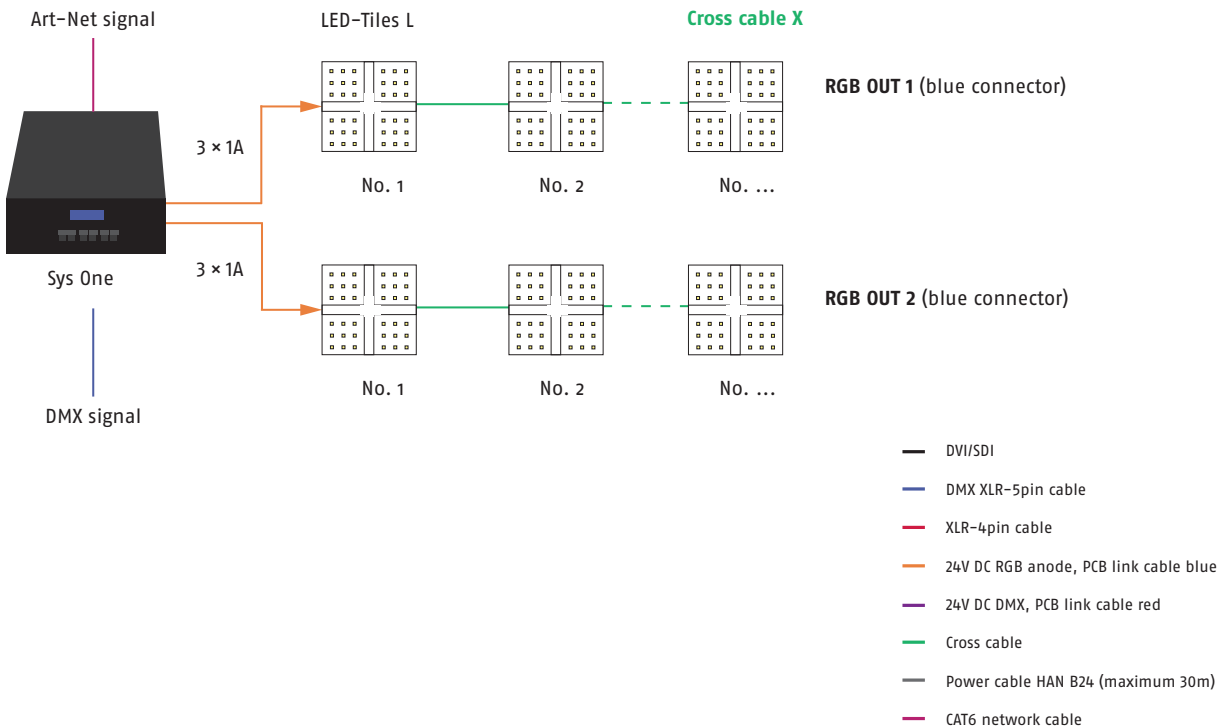
Power Data Out	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
Output XLR-4pin and Intelligence, 1 LED tile per control channel		maximum 30 LED-Tiles per controller 1 LED-Tiles per channel
Output XLR-4pin and Intelligence, maximum number of LED tiles per Intelligence		maximum 36 LED-Tiles per controller 2 LED-Tiles per channel
Output system connector blue	maximum 6 LED-Tiles per controller maximum 3 LED-Tiles per system connector blue maximum 1 LED-Tile per channel	maximum 36 LED-Tiles per controller maximum 18 LED-Tiles per system connector blue maximum 6 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 L20 MK3



Cabling example Sys One (System connector blue) with LED-Tile L20 MK3



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

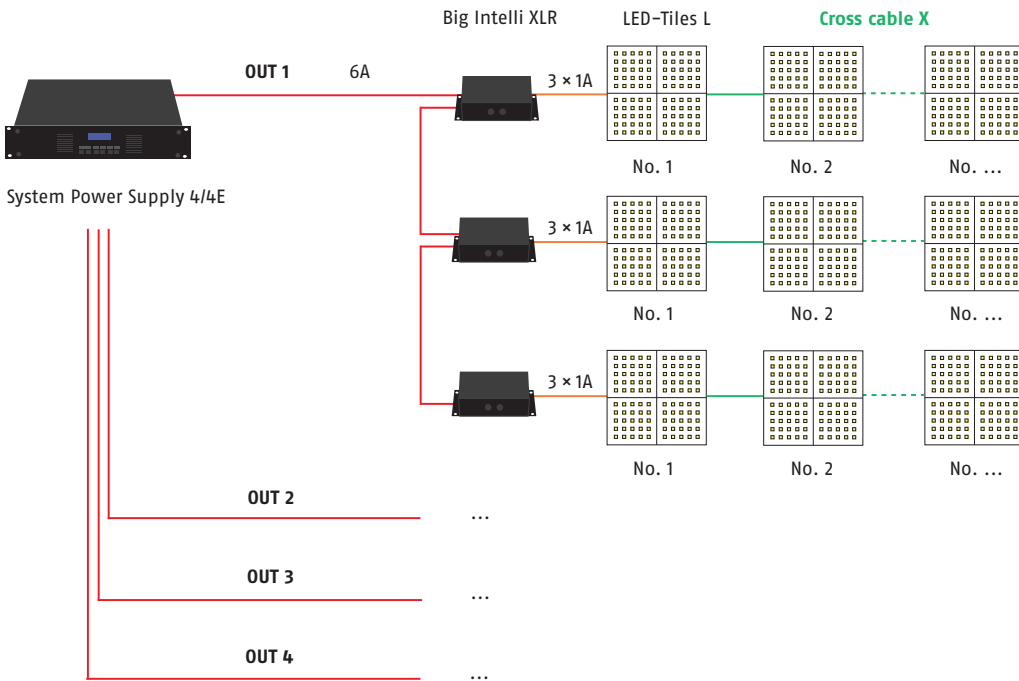


	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
with Big Intelli XLR*, three Big Intellis per output	maximum 36 LED-Tiles per controller maximum 9 LED-Tiles per output 1 LED-Tile per channel	maximum 144 LED-Tiles per controller maximum 36 LED-Tiles per output 6 LED-Tiles per channel
with Intelligence* 1 LED tile per control channel		maximum 120 LED-Tiles per controller maximum 30 LED-Tiles per output 1 LED-Tile per channel
with Intelligence*, maximum number of LED tiles per Intelligence		maximum 144 LED-Tiles per controller maximum 36 LED-Tiles per output 2 LED-Tiles per channel

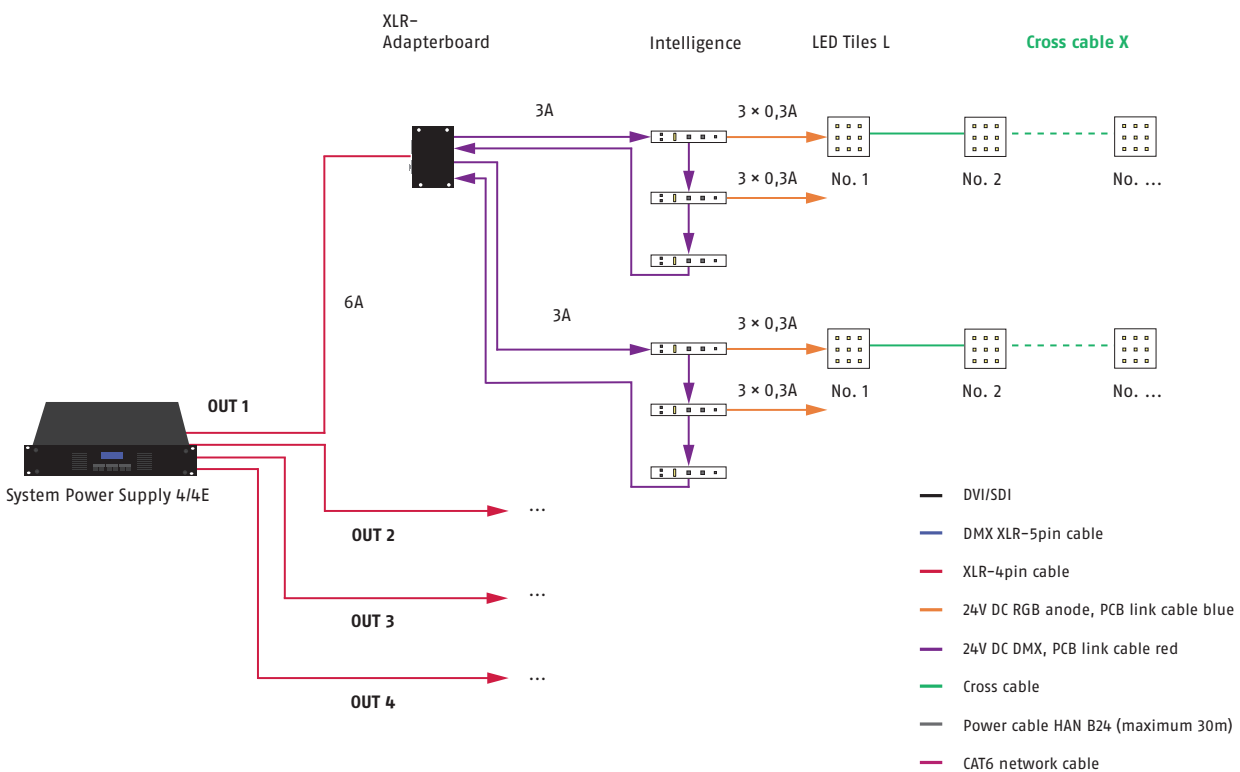
* The System Power Supplies 4 and 4E can only control the LED-Tiles L with an additional Intelligence.

** 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 L20 MK3



Cabling example System Power Supply 4 or 4E and Intelligence with LED-Tile L20 MK3



DPB Pixel-Router Pro

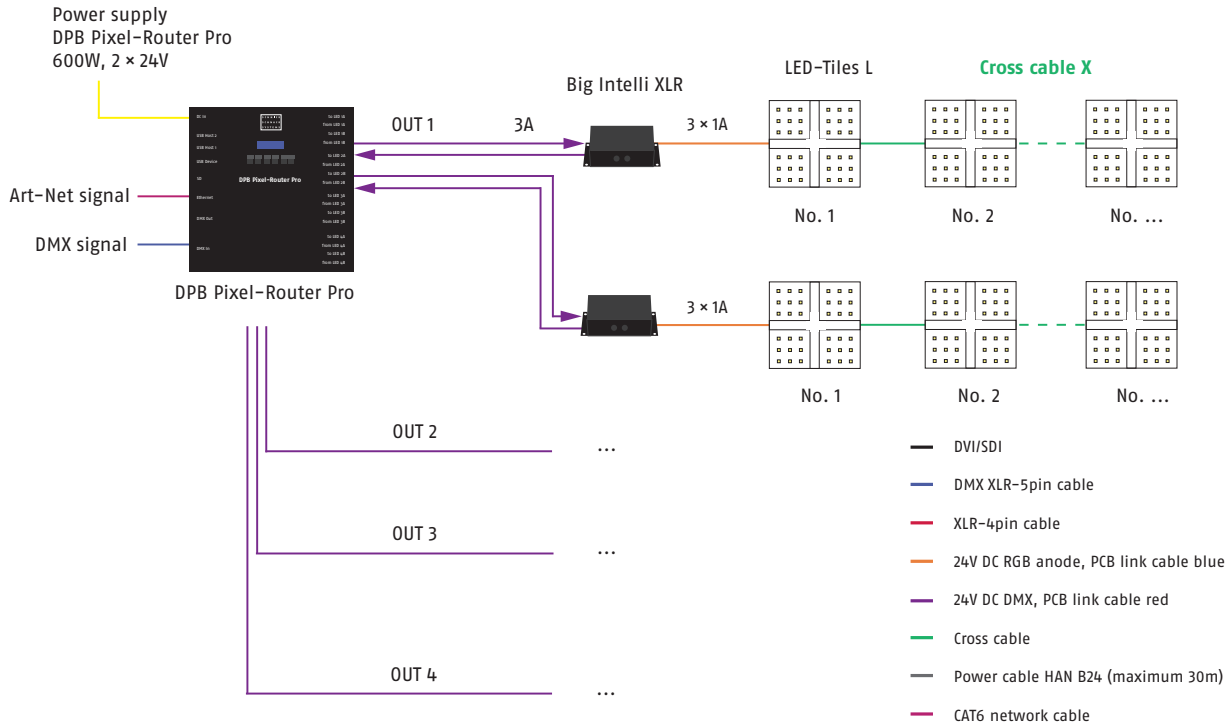
Specific feature: fanless operating



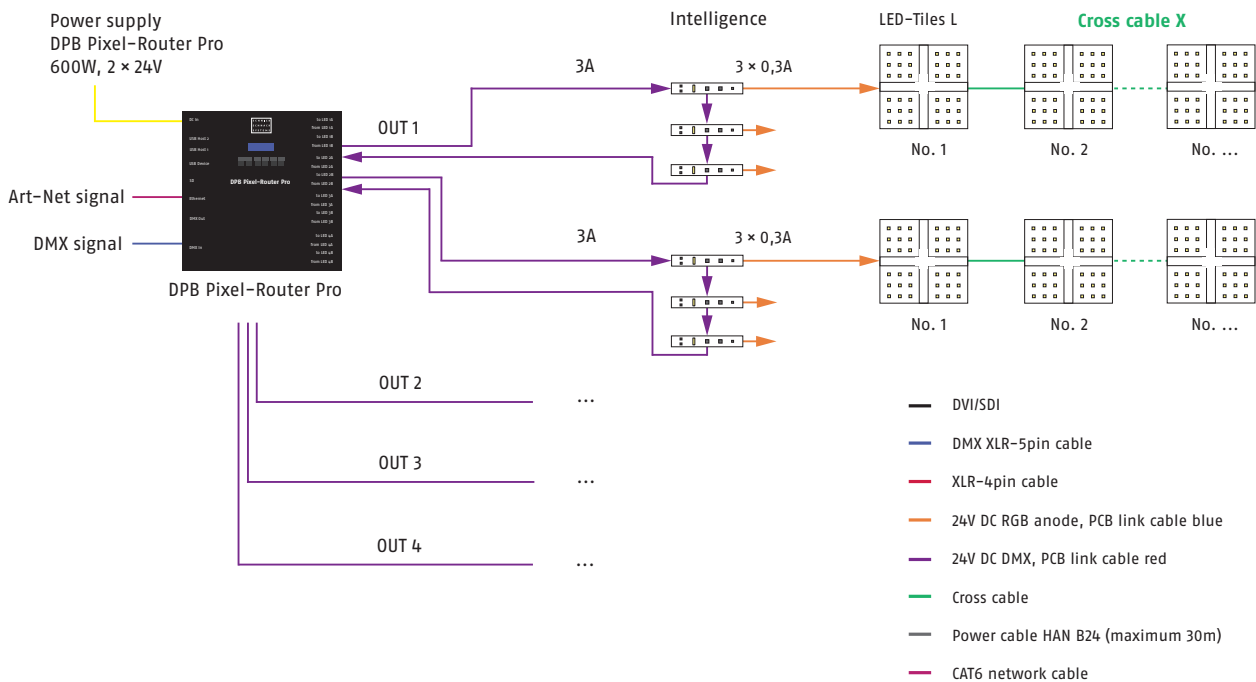
	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
with Big Intelli XLR*, two Big Intellis per output	maximum 24 LED-Tiles per controller maximum 6 LED-Tiles per output 1 LED-Tile per channel	maximum 144 LED-Tiles per controller maximum 36 LED-Tiles per output 6 LED-Tiles per channel
with Intelligence* 1 LED tile per control channel		maximum 120 LED-Tiles per controller maximum 30 LED-Tiles per output 1 LED-Tile per channel
with Intelligence*, maximum number of LED tiles per Intelligence		maximum 144 LED-Tiles per controller maximum 36 LED-Tiles per output 2 LED-Tiles 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 L20 MK3



Cabling example DPB Pixel-Router Pro and Intelligence with LED-Tile L20 MK3



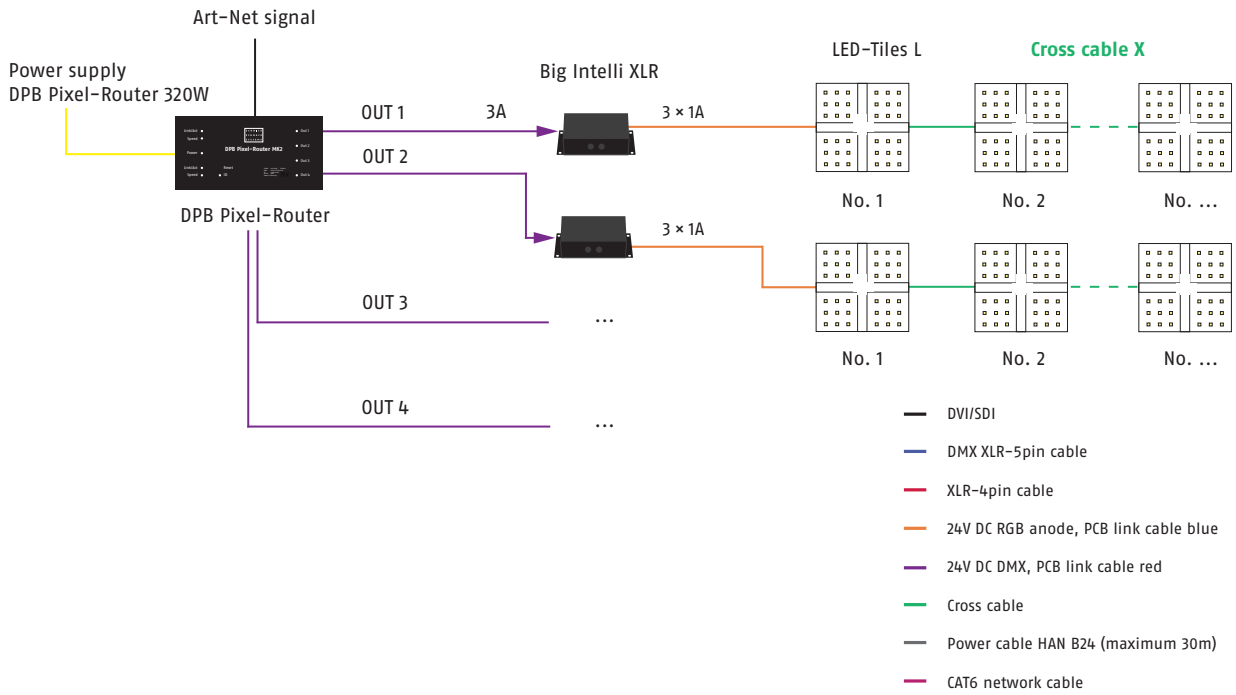
DPB Pixel-Router



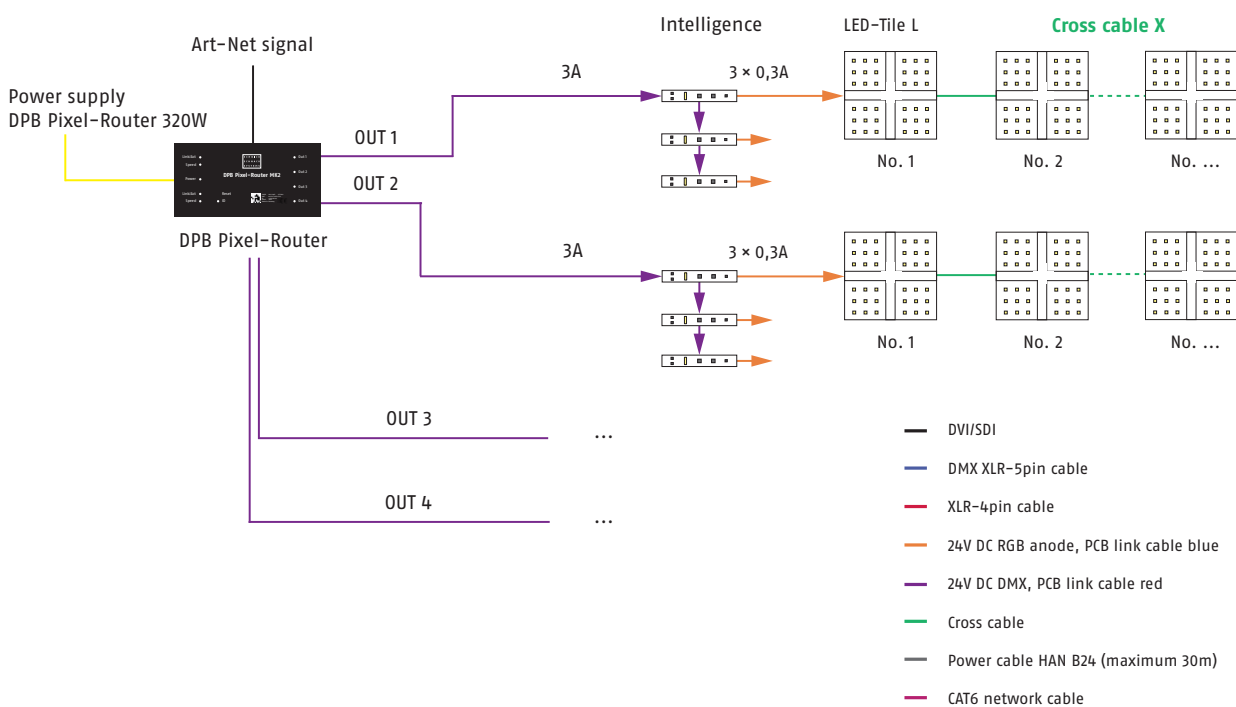
	LED-Tile L20-10-10 MK3	LED-Tile L20-5-5 MK3
with Big Intelli XLR*, two Big Intellis per output	maximum 12 LED-Tiles per controller maximum 3 LED-Tiles per output 1 LED-Tile per channel	maximum 72 LED-Tiles per controller maximum 18 LED-Tiles per output 6 LED-Tiles per channel
with Intelligence* 1 LED tile per control channel		maximum 60 LED-Tiles per controller maximum 15 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 2 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 L20 MK3



Cabling example DPB Pixel-Router and Intelligence with LED-Tile L20 MK3



70W Power Supply and Big Intelli (dimmable)



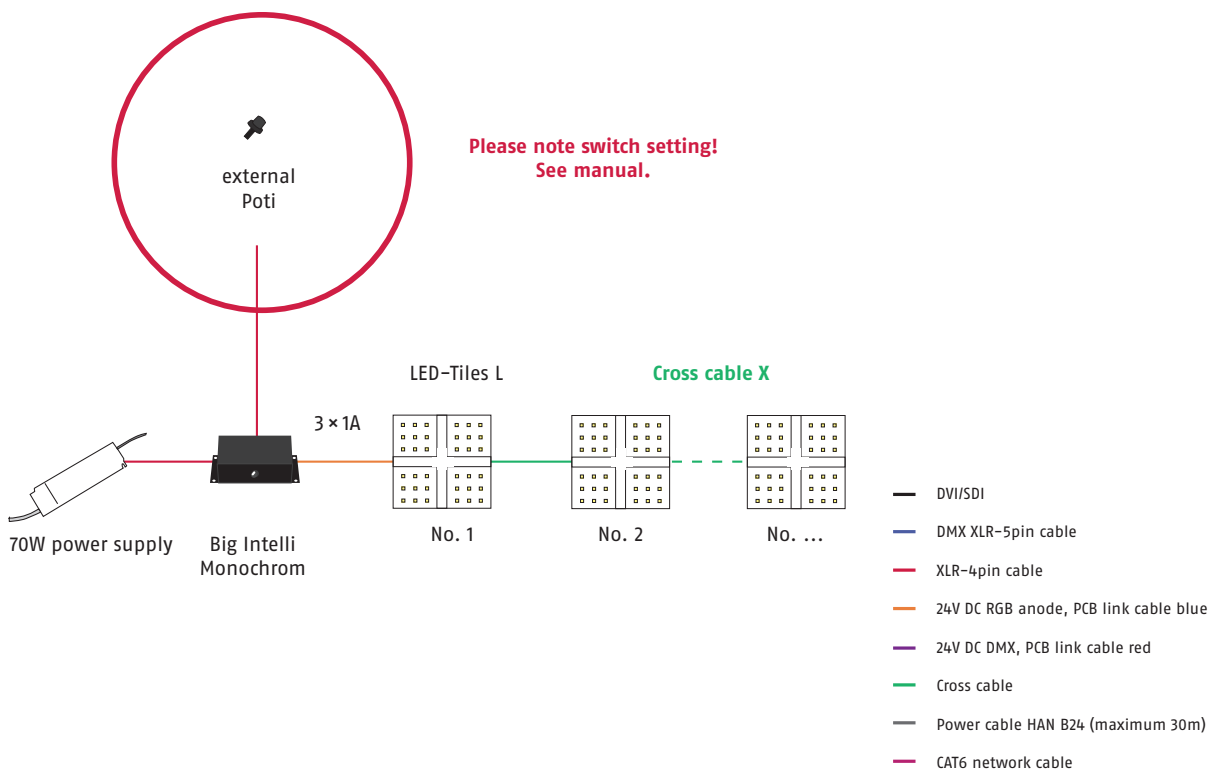
LED-Tile L20-10-10 MK3

maximum 3 LED-Tiles per controller
 maximum 3 LED-Tiles per channel

LED-Tile L20-5-5 MK3

maximum 18 LED-Tiles per controller
 maximum 18 LED-Tiles per channel

Cabling example for 70W Power Supply and Big Intelli with LED-Tile L20 MK3



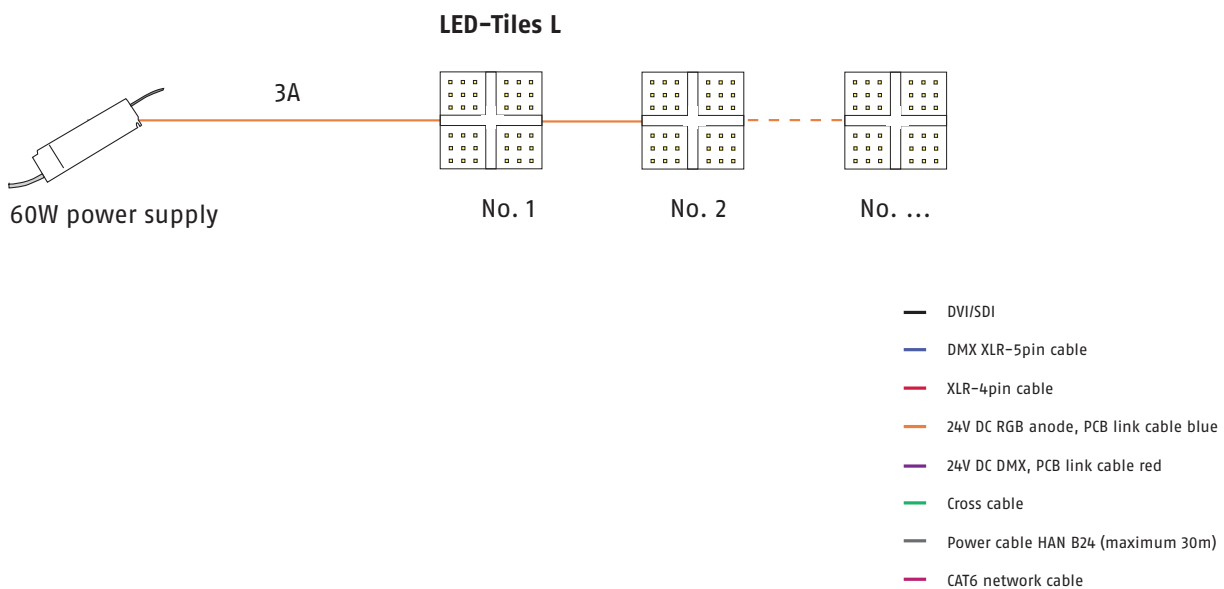
60W Power Supply (undimmed)



LED-Tile L20-10-10 MK3
maximum 5 LED-Tiles per controller

LED-Tile L20-5-5 MK3
maximum 20 LED-Tiles per controller

Cabling example 60W Power Supply with LED-Tile L20 MK3



Example of calculation

Calculation example for System Power Supply 4E with Intelligence and LED-Tile L20-5-5

1. requirement: One control channel per LED tile

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

$3 \times 0,15A (I_{\max} \text{ L20-5-5}) =$	0,45A
Requirement for Intelligence	0,07A
Total	0,52A

3A per system plug / **0,52A = 5 Intelligences, each with three LED tiles**

$2 \times 3A$ per Output $\triangleq 2 \times 15$ LED-Tiles = **30 LED tiles per output**

4 Outputs per System Power Supply 4E $\triangleq 4 \times 30 =$ **120 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 / $0,15A$ per LED tile = **2 LED tiles per channel**

Corresponds to $3 \times 2 = 6$ LED tiles per Intelligence

$6 \times 0,15A (I_{\max} \text{ L20-5-5}) =$	0,9A
Requirement for Intelligence =	0,07A
Total	0,97A

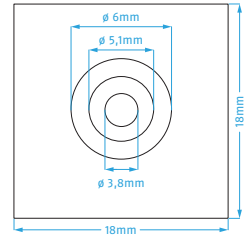
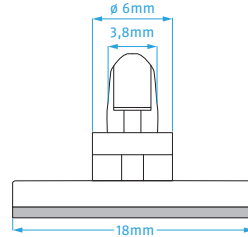
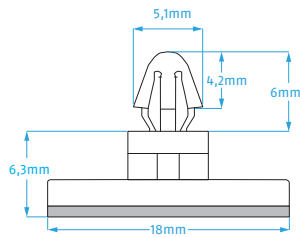
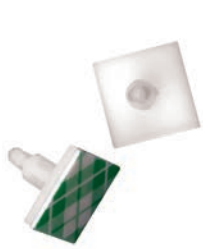
3A per system plug $\triangleq 3A / 0,97A = 3$ Intelligences per system plug

$\triangleq 6$ Intelligences per output

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

$\triangleq 24 \times 6 =$ **144 LED tiles per System Power Supply 4E**

Mounting

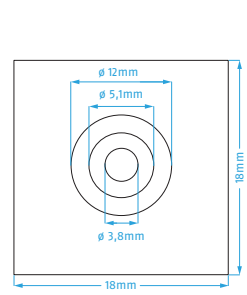
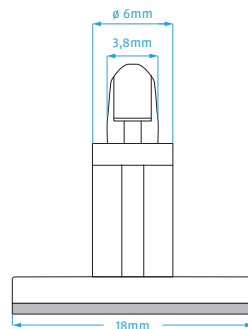
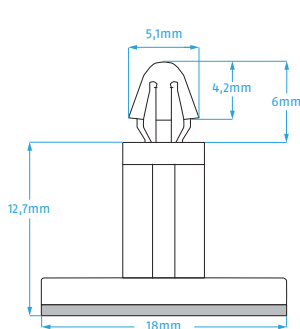


Description

PCB holder 6mm, self-adhesive version

Item number

802.0001

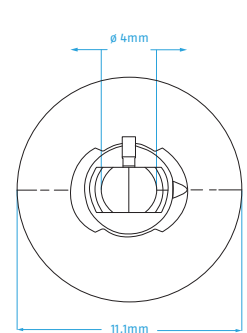
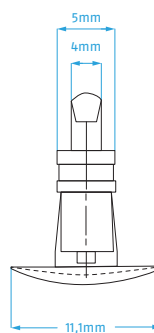
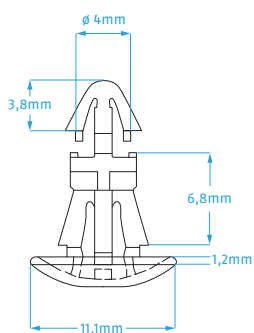


Description

PCB holder 12mm, self-adhesive version

Item number

802.0002



Description

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

Item number

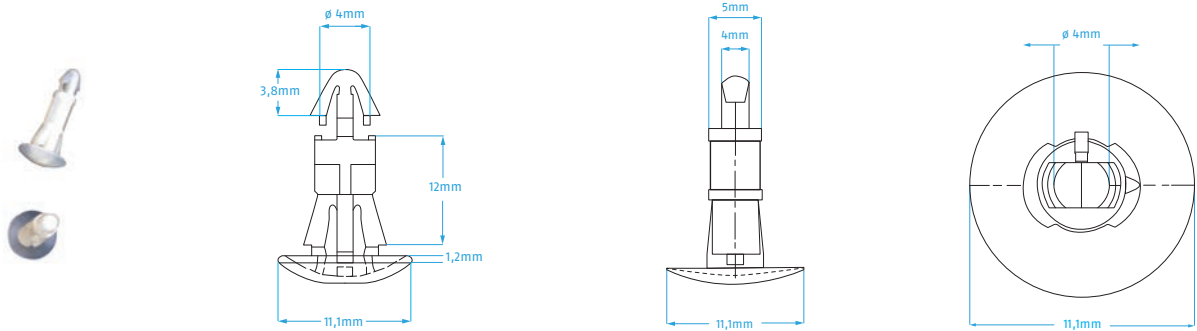
802.0003

Drill hole

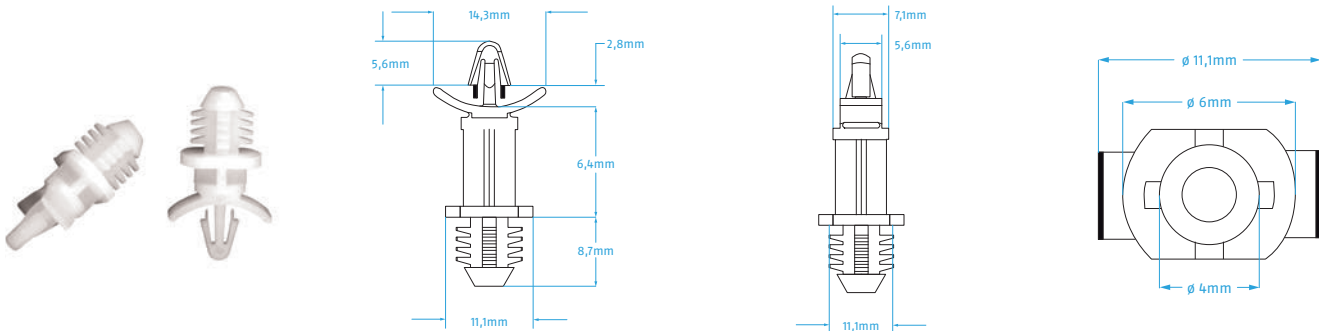
5,4mm

Material thickness

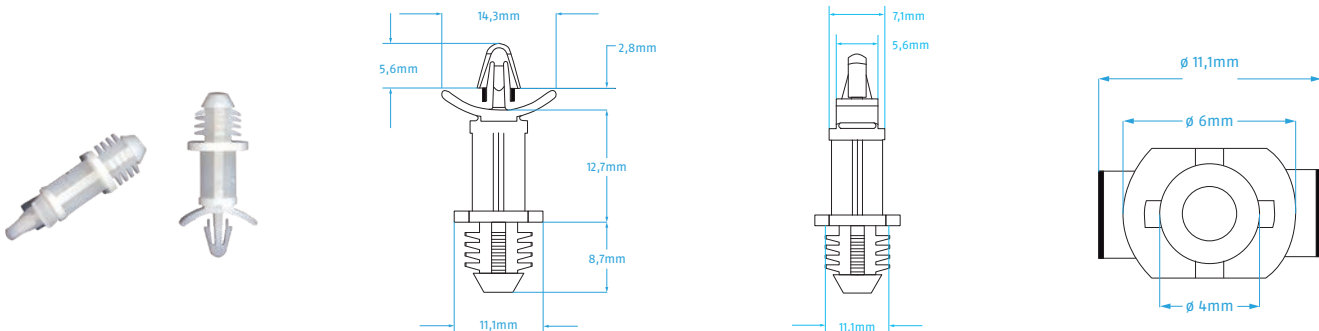
1,5-1,6mm



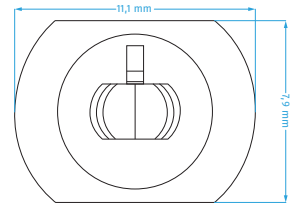
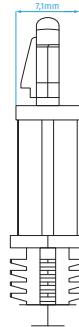
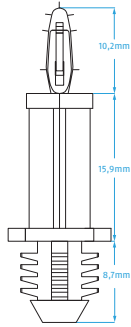
Description	Item number	Drill hole	Material thickness
PCB holder 12mm, plug-in version (for plates)	802.0004	5,4mm	1,5-1,6mm



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°)



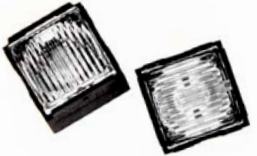
4 Lenses Wide (45°)



5 Lenses X-Wide (50°)



6 Oval Lenses (40° × 22°)



7 Oval Lenses (22° × 40°)

	Number of lenses	Item number
Lens Spot (ca. 19°) for LED-Tiles L20-5-5 MK3 1	25	720.2204
Lens Spot frost (ca. 30°) for LED-Tiles L20-5-5 MK3 2	25	720.2304
Lenses Medium (ca. 35°) for LED-Tiles L20-5-5 MK3 3	25	720.2404
Lenses Wide (ca. 45°) for LED-Tiles L20-5-5 MK3 4	25	720.2504
Lenses X-Wide (ca. 50°) for LED-Tiles L20-5-5 MK3 5	25	720.2604
Oval Lenses (ca. 40° × 22°) for LED-Tiles L20-5-5 MK3 6	25	720.2704
Oval Lenses (ca. 22° × 40°) for LED-Tiles L20-5-5 MK3 7	25	720.2804
Lens Spot (ca. 19°) for LED-Tiles L20-10-10 MK3	100	720.2205
Lens Spot frost (ca. 30°) for LED-Tiles L20-10-10 MK3	100	720.2305
Lenses Medium (ca. 35°) for LED-Tiles L20-10-10 MK3	100	720.2405
Lenses Wide (ca. 45°) for LED-Tiles L20-10-10 MK3	100	720.2505
Lenses X-Wide (ca. 50°) for LED-Tiles L20-10-10 MK3	100	720.2605
Oval Lenses (ca. 40° × 22°) for LED-Tiles L20-10-10 MK3	100	720.2705
Oval Lenses (ca. 22° × 40°) for LED-Tiles L20-10-10 MK3	100	720.2805

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 L20-5-5 MK3 S ²	20mm	100mm × 100mm	0/1 ¹	0,15A	2700K	115.8503
					3000K	115.8603
					3500K	115.8703
					4000K	115.8803
					6500K	115.9203
					2000K	115.8203
					2200K	115.8303
					2500K	115.8403
					4500K	115.8903
					5000K	115.9003
					5700K	115.9103
					2700K AS	115.8507
					3000K AS	115.8607
					3500K AS	115.8707
					4000K AS	115.8807
					Meat	115.9803
					Red	115.9403
					Green	115.9503
					Blue	115.9603
					Amber	115.9703
LED-Tile L20-10-10 MK3 S ²	20mm	200mm × 200mm	0/1 ¹	0,6A	2700K	115.8504
					3000K	115.8604
					3500K	115.8704
					4000K	115.8804
					6500K	115.9204
					2000K	115.8204
					2200K	115.8304
					2500K	115.8404
					4500K	115.8904
					5000K	115.9004
					5700K	115.9104
					2700K AS	115.8508
					3000K AS	115.8608
					3500K AS	115.8708
					4000K AS	115.8808
					Meat	115.9804
					Red	115.9404
					Green	115.9504
					Blue	115.9604
					Amber	115.9704

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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