



Decorative Light/ **Light Chains**

LED lightchain 100

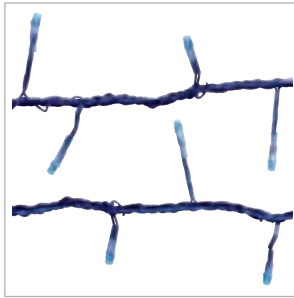


120~ 24~	trans. incl.		IP44
		LED 100 pce	 2.4lb
length conn. lead: 39 inch with plug length chain: 32.8ft. (10m) head-Ø: 0.12 inch			

LED lightchain 100	
white	226801
blue	226807
cable black	



LED Twinkle Light lightchain

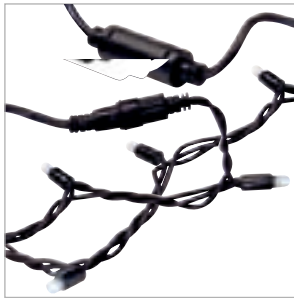


120~ 24~	trans. incl.		IP44
LED 75 pce	8 progr.	controller incl.	 1.4lb
length conn. lead: 16.4ft. (5m) with plug length chain: 19.7ft. (6m)			

LED Twinkle Light lightchain	
white	226781
blue	226787



Expand master LED lightchain



120~			IP44
	conn. lead 4.9ft	LED 100 pce	 2.0lb
length chain: 32.8ft. (10 m)			

Expand master LED lightchain 100 LED, 10 m	
white	225221
blue	225227
total power	7.7W
accessories: Expand slave-light-chain. Connection of max. 9 light-chains possible. Connection box at the end of the master lightchain.	



Expand module LED lightchain



120~			IP44
		LED 100 pce	 2.0lb
length chain: 32.8ft. (10 m)			

Expand module LED lightchain 100 LED, 10 m	
white	225231
blue	225237
total power	7.7W
to extend the expand master light-chain. Connection of max. 9 light-chains possible. Connection box at the end of the master lightchain.	



Expand light curtain 300 LED



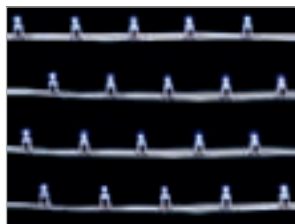
120~			IP44
	conn. lead 4.9ft	LED 300 pce	 5.3lb
L: 6.6ft.			

Expand light curtain 300 LED	
12x25 LED white	225241
total power	45.5W
light curtain 2 m long with 12 outlets each 1,6 m.	
Max. 10 light curtains can be operated with one feed-in.	





LED Starlight 2"



12~	trans. excl.		
	1.84W incl.	LED 1000 pce per 39"	
length chain: 13.6ft. (50m) W/H: 0.5/0.8 inch			

LED Starlight 2 inch (5cm) distance
white 220001

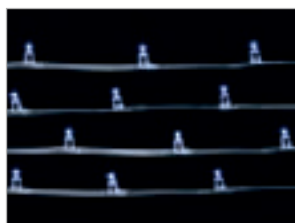
price per 39.4" (1m)

per LED 20mA.
only available in 50m 13.6ft. rolls

spare-LED 50 pce
591281

Note: operate with magnetic transformer only

LED Starlight 4"



12~	trans. excl.		
	0.92W incl.	LED 500 pce per 39"	
length chain: 13.6ft. (50m) W/H: 0.5/0.8 inch			

LED Starlight 4 inch (10cm) distance
white 220011

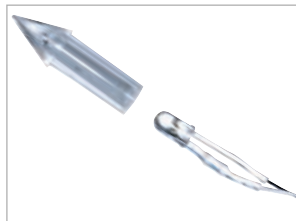
price per 39.4" (1m)

per LED 20mA.
only available in (50m) 13.6ft. rolls

spare-LED 50 pce
591281



**Multi LED Kit
with plug**



12~	trans. a. terminal excl.		
endcaps incl.	12 LEDs per string		
total-L: 5.25ft. head-L/Ø: 1.3/0.39 inch			

Multi LED Kit
LED 5 mm with plug

12 white LED	631201
12 green LED	631205
12 blue LED	631207
12 yellow LED	631204
12 red LED	631206

operate only with transformer and coupler 631200! fitting dimension for application with caps.

436



**Transformer & coupler
for Multi LED Kit**



120~	6-pce coupler incl.		
18VA	conn. lead prim. 6ft. sec. 6.5ft.		
L/W/H: 3.4/2.8/2.2 inch			

Transformer & coupler
631200U

transformer and coupler for up to 6x 12 LED (see above mentioned choice) fitting dimension for application with caps.

**Ledi Light®
Fiber Set LED**



head-L/Ø: 3,3/1 cm

120~ 6~	trans. incl.		
		0,8	2,5
	incl.	core-Ø 0,086	caps incl. 0,89

Fiber Set LED

NA

can also be used without caps. fitting dimension for application with caps.

80 approx. 2 m fibre veins, which are fed in over a 4 channel fibre-generator, based on LED technology, with which necessary luminous intensity is supplied. 80 transparent, conical plastic caps as well as a suitable power unit are included.
prim.: 120V/60Hz
sec.: 6V/250HZ
L: approx. 2 m

**Mini LED
module-chain**



12V=	power unit excl.		IP55
	incl.	25 modules à 3 LED	PC+ resin 0.8lb

L: 9.45ft.
module-L/W/H: 2.0/0.4/0.4 inch

seperable after every module. Max. 4 chains can be hooked together

**Mini LED module-chain
25x 3 Superflux LED**

white, 6W total 550401
yellow, 9W total 550404
green, 6W total 550405
red, 9W total 550406
blue, 6W total 550407

75 Superflux LED

**RGB Mini LED
module-chain
3in 1**



12V=	power unit excl.		IP55
			controller excl.
	incl.	3in1 25 modules à 3 LED	PC+ resin 0.8lb

L: 9.4ft.
module-L/W/H: 2/0.4/0.4 inch

**RGB Mini LED module-chain
25x 3 Superflux
3in1 LED**

RGB 550403

75 Superflux 3in1 RGB-LED
total power 15W

seperable after every module.
Max. 3 chain hooked up together
controllable with EasyLIM® control-
ler 470503 on page 453.

**power unit for
Mini LED module-
chain 12W**



120~ 12V=			
			0.1lb

**power unit for Mini
LED module-chain 12W**
12V, 12W 470507U

L/W/H: 3.4/1.2/0.9 inch

**power unit for
Mini LED module-
chain 60W**



120~ 12V=			
			1.4lb

**power unit for Mini
LED module-chain 60W**
12V, 60W 470508U

L/W/H: 7.2/3.5/1.4 inch



**LED PenLight® Pro
120V/32.8ft.**

LED-distance: 10.9"
separable every 4.9ft.
power: 4.6W/4.9ft.
LED per 4.9ft.: 54 pce
Ø: 0.5"(13mm)/length: 32.8ft.

120~

IP44



**LED PenLight® Pro
120V, 32.8ft.**

round, white 232711U
round, blue 232717U

Incl. feed-in set with 4.9ft. connection lead.



**LED PenLight® Pro
120V/11ft.**

LED-distance: 1.1"
separable every 4.9ft.
power: 4.6W/4.9ft.
LED per 4.9ft.: 54 pce
Ø: 0.5"(13 mm)/length: 11ft.

120~

IP44



**LED PenLight® Pro
120V, 11ft.**

round, white 232741U
round, blue 232747U

Incl. feed-in set with 4.9ft. connection lead.



**feed-in set for
LED PenLight® Pro**



120~

IP44

Ø/L: 0.5/3.0", conn. lead: 4.9ft.

**feed-in set for LED
PenLight® Pro 120V**

clear 232700U

Incl. endcap and glue.
IP44 reached after glueing.
Incl. rectifier.

**PenLight® 120V
Ø 0.5"/32.8ft**

bulb interval: 1.1"
separation after 36 bulbs
360 bulbs / 10 m length
current: 0.7A
power: 161W

120~

IP44



**PenLight®
120V, 32.8ft.**

clear NA
yellow NA
green NA
red NA
blue NA

Incl. feed-in set

**PenLight® 120V
Ø 0.5"/131ft.**

bulb interval: 1.1"
separation after 36 bulbs
1440 bulbs / 131" length
current: 2.8A
power: 644W

120~

IP44





**PenLight®
120V, 131ft.**

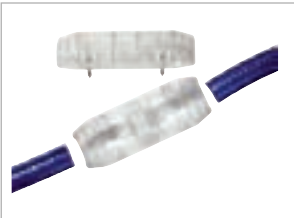

clear NA
yellow NA
green NA
red NA
blue NA

Incl. feed-in set

feed-in set

	120~			IP44	<p>feed-in set 120V with endcap 232611</p> <p>for PenLight® 120V.</p> <p>IP44 after glueing with vinegar-free silicon.</p>
	<p>Ø/L: 1.2/2.8 inch, conn. lead: 5ft.</p>				

connector

	120~			IP44	<p>connector 232641</p> <p>for LED PenLight®Pro 120V and PenLight® 120V.</p> <p>IP44 after glueing with vinegar-free silicon.</p>
	<p>Ø/L: 1.0/2.6 inch</p>				

gutter clips

					<p>gutter clips 10 pce 232681</p> <p>for LED PenLight®Pro 120V and PenLight® 120V.</p>

fastening clips

					<p>fastening clips 100 pce 232651</p> <p>for LED PenLight®Pro 120V and PenLight® 120V.</p>

endcap

					<p>endcap 232691</p> <p>for LED PenLight®Pro 120V and PenLight® 120V.</p> <p>IP44 after glueing with vinegar-free silicon.</p>

PenLight® track

					<p>PenLight® track 39" (1m) 232661</p> <p>for LED PenLight®Pro 120V and PenLight® 120V.</p>
	<p>W/H 0.63/0.43 inch</p>				

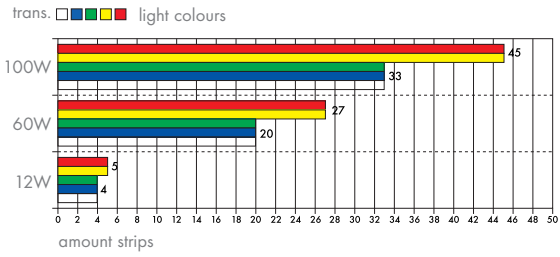
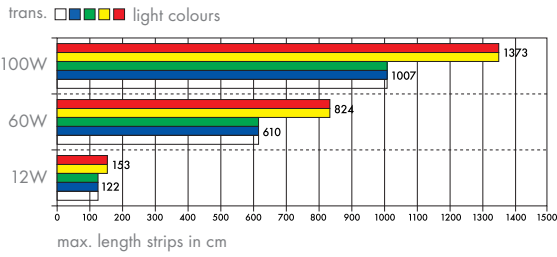
LED strips

441

Application example: LED strips, white, Art.-Nr. 550181, mounted with fastening clips, Art.-Nr. 550191. "Tunnel"-effect via multiple reflection.

Design by Mücke-Manufaktur.

Decorative Light/ LED strips, single colour



Note: Due to production-technical reasons, the colour of the LEDs can deviate amongst each other. Detailed technical data sheets pertaining to our LED strips are available on request!

LED strips



24V=

power unit excl.

LED 24 pce.

L/W/H: 12/0.28/0.28 inch

Note: by a load of >50W you will need a new feed-in.

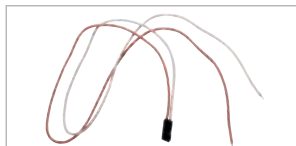
24=V power units see page 445.

- LED strips with 24 LED**
seperable every 3 inch
- white 3W/strip 550181
 - warm-white 3W/strip 550182
 - green 3W/strip 550185
 - blue 3W/strip 550187
 - yellow 2.2W/strip 550184
 - red 2.2W/strip 550186



connector cable

for single colour LED strips



max. 50VA

L: 19.7 inch

connector cable
for single colour LED strips
2 pce 550192

connector strip

for single colour LED strips



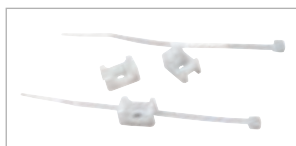
max. 50VA

L: 3.9 inch

connector strip
for single colour LED strips
10 pce 550190

fastening clips

for single colour LED strips



max. 50VA

L: 3.9 inch

fastening clips
for single colour LED strips
100 pce 550191





LED Multiflex strips

444



24V=	power unit excl.		
			LED 48 pcs.

L/W/H: 24/0.28/0.1 inch

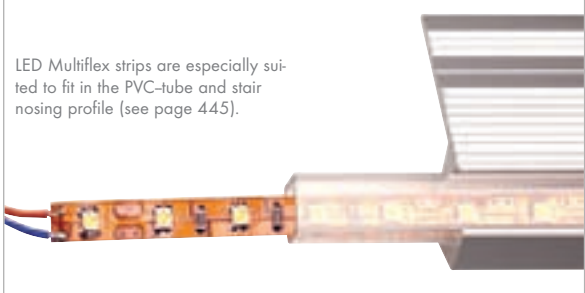
to layout with **double sided tape** transparent, 0.35" 9.8ft. (3m) 220000

the strips can be soldered together! by a load >50W a new feed-in must be made

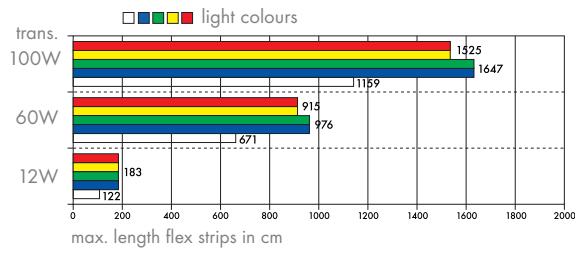
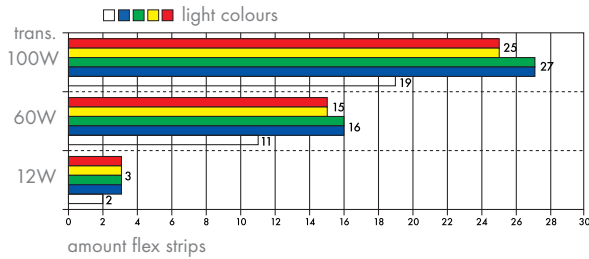
- LED Multiflex strips**
- white 5.2W/Strip 550231
 - warm white 5.2W/Strip 550232
 - green 3.6W/Strip 550235
 - blue 3.6W/Strip 550237
 - yellow 4W/Strip 550234
 - red 4W/Strip 550236

Strip-length 24"; seperable every 3 inch. min. bendingradius: 0.5 inch
24V power unit for LED Multiflex strips can be found on page 445.

Detailed data sheets pertaining to LED strips can be obtained on request!



LED Multiflex strips are especially suited to fit in the PVC-tube and stair nosing profile (see page 445).



stairnosing profile



←	↓	alu	

stairnosing profile
 alu/silber, anodised 213302
 alu/gold, anodised 213303
 per 39.4" (1m)

to take up our LED strips in a PVC tube. Only available in 2m or 4m pieces.

PVC tube



		PC	
W/H: 0.4/0.4"			

PVC tube
 211200
 per 39.4" (1m)

to lay out our LED strips in stairnosing profiles, available only in 2 m or (4 m piece special order)

power unit for LED strips 12W



120~ 24V=	VA 1-12		
	KEMA EUR	← ⁰⁵	
			0.13lb

power unit for LED strips
 24V, 12W 470502U

L/W/H: 3.4/1.6/0.9 inch

power unit for LED strips 60W



120~ 24V=	VA 1-60		
	KEMA EUR	← ⁰⁵	
			0.7lb

power unit for LED strips
 24V, 60W 470506U

L/W/H: 6.9/3.1/1.4 inch

power unit for LED strips 100W

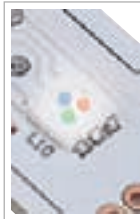


120~ 24V=	VA 1-100		
	KEMA EUR	← ⁰⁵	
			0.4lb

power unit for LED strips
 24V, 100W 470500U

L/W/H: 7.2/3.5/1.4 inch

RGB LED strips 3in1



24V=	power unit & controller excl.		

L/W/H: 9.8/0.6/0.24 inch
total power: 2.6W

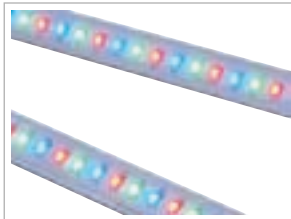
RGB LED strips, 3 in 1
10 RGB-LED 3in1,
9.8" (25cm)
550225

controllable with converter 24V=
ex: Easy LIM controller s. page 453.

3 in 1-technique for optimal lightblending!

Note: by a load >50W
you will need a new feed-
in.

RGB LED strips

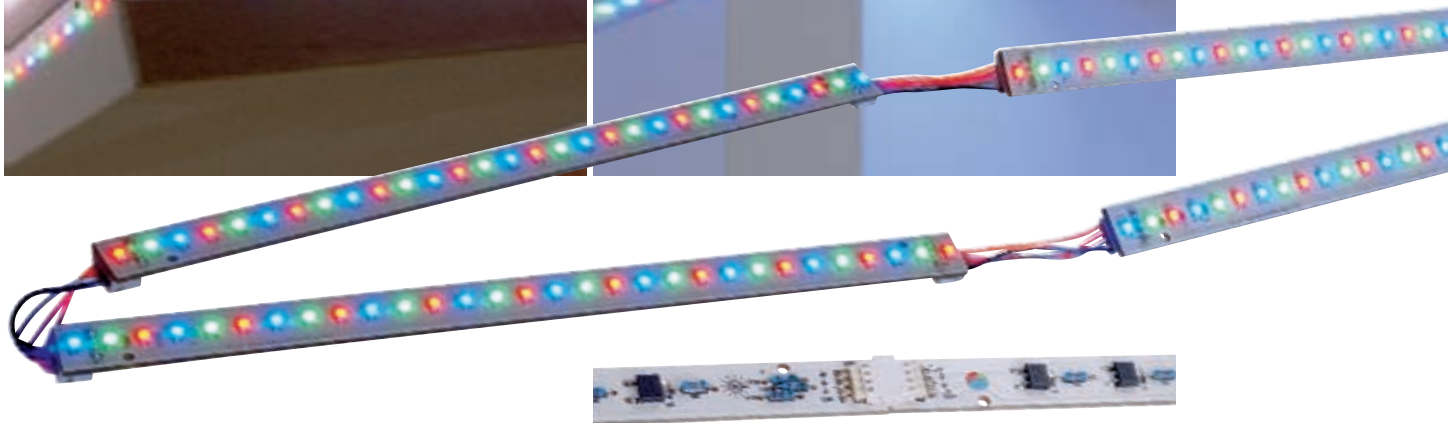
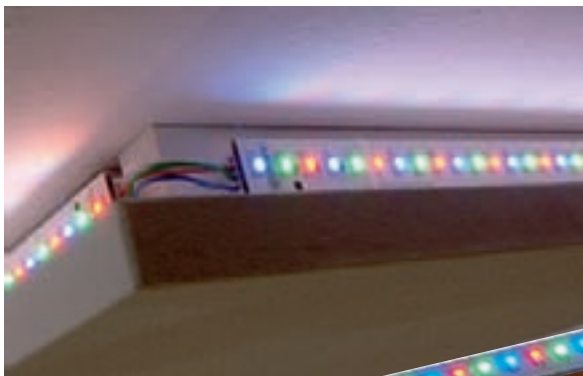


24V=	power unit & controller excl.		

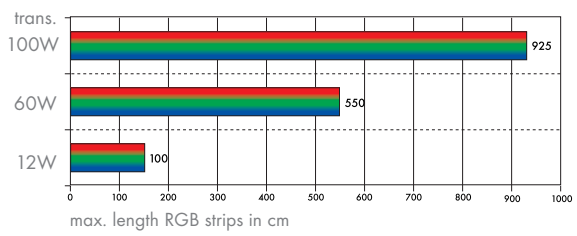
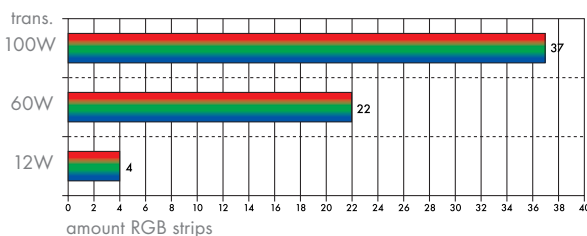
L/W/H: 9.8/0.6/0.24 inch
total power: 2.65W

RGB LED strips
with 30 LED,
9.8" (25cm)
550220

controllable with converter 24V=
ex: Easy LIM controller s. page 453.

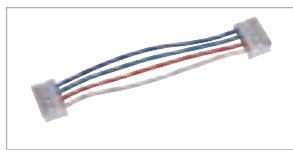


446





**connector
for RGB LED strips**



	max. 50VA		
			length: 2.0"

connector
for RGB LED strips
10 pce 550222

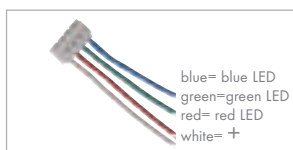
**direct connector
for RGB LED strips**



	max. 50VA		

direct connector
for RGB LED strips
10 pce 550224

**connection lead
for RGB LED strips**



	max. 50VA		
			length: 19.7"

connection lead
for RGB LED strips
2 pce 550223

**fitting track
for RGB LED strips**

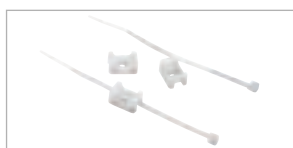


		plastic	

fitting track
for RGB LED strips
39.4 (1m) 220631

fitting with direct connectors
for LED strips!

**fastening strips
for RGB LED strips**



		plastic	

fastening strips
for RGB LED strips
100 pce 550191



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LED strips Outdoor 100, Superflux



24V=			IP55	LED strips Outdoor 72 SuperFlux LED, 39.4" (100cm)
power unit excl.		alu/ plastic		warm white 229812
L/W/H: 39.4/1.0/0.6 inch conn. lead: 3.9 inch power: 6W/strip emitting angle: 60°				blue 229817
				Strips in alu profile, sealed with synthetic resin including respective a plug and coupler! Controllable with convertor and power unit 24V= s. page 453 and 456.

RGB LED strips Outdoor 25



24V=			IP55
power unit excl.	controller excl.	alu/ plastic	0.4lb
L/W/H: 10/1.0/0.6 inch conn. lead: 3.9" power: 2.65W/strip			

RGB LED strips Outdoor
30 LED/10" (25cm)
▼ 229800

Strips in alu profile, sealed with synthetic resin including respective a plug and coupler! Controllable with converter and power unit 24V= s. page 453 and 456.

RGB LED strips Outdoor 100

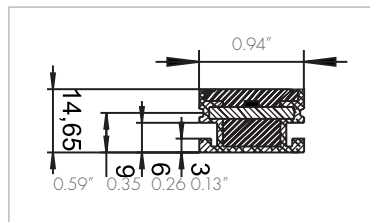
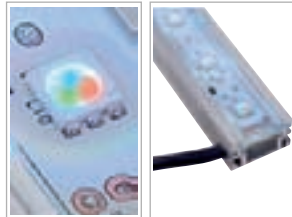


24V=			IP55
power unit excl.	controller excl.	alu/ plastic	1.6lb
L/W/H: 39.4/1.0/0.6" conn. lead: 3.9" power: 10.6W/strip			

RGB LED strips Outdoor
120 LED/39.4" (100cm)
▼ 229801

Strips in alu profile, sealed with synthetic resin including respective a plug and coupler! Controllable with converter and power unit 24V= s. page 453 and 456.

LED strips Outdoor 100 RGB 3in1



24V=			IP55
power unit excl.	controller excl.	alu/ syn. resin	1.6lb
L/W/H: 39.4/1.0/0.6" conn. lead: 3.9" power: 10.5W/Strip emitting angle: 120° operating temperature: 23 °F to 122 °F			

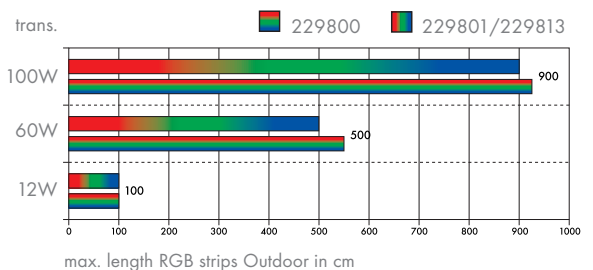
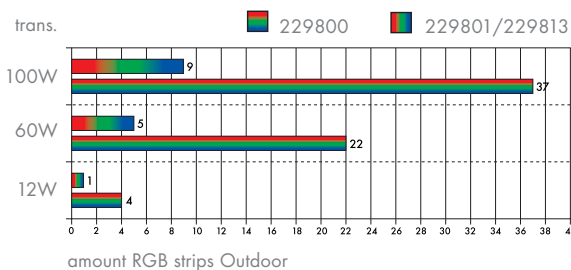
LED-strips Outdoor 100 RGB 3in1
40 RGB LED 3in1/39.4"
229813

Strips in alu profile, sealed with synthetic resin including respective a plug and coupler! Controllable with converter and power unit 24V= s. page 453 and 456.





fastening clip V2A



fastening clip V2A
for every LED strips Outdoor
25 pce 229802




feed-in cable

 for 229800, 229801 and 229813	24V=			IP65	feed-in cable for: RGB strips Outdoor 229800, 229801, 229813 5core 229803
		max. 50VA			
L: 16.4ft. (5m)					
 for 229811, 229812 and 229817	24V=			IP65	feed-in cable for: strips Outdoor Super Flux 229811, 229812, 229817 4core 229821
		max. 50VA			

connecting cable

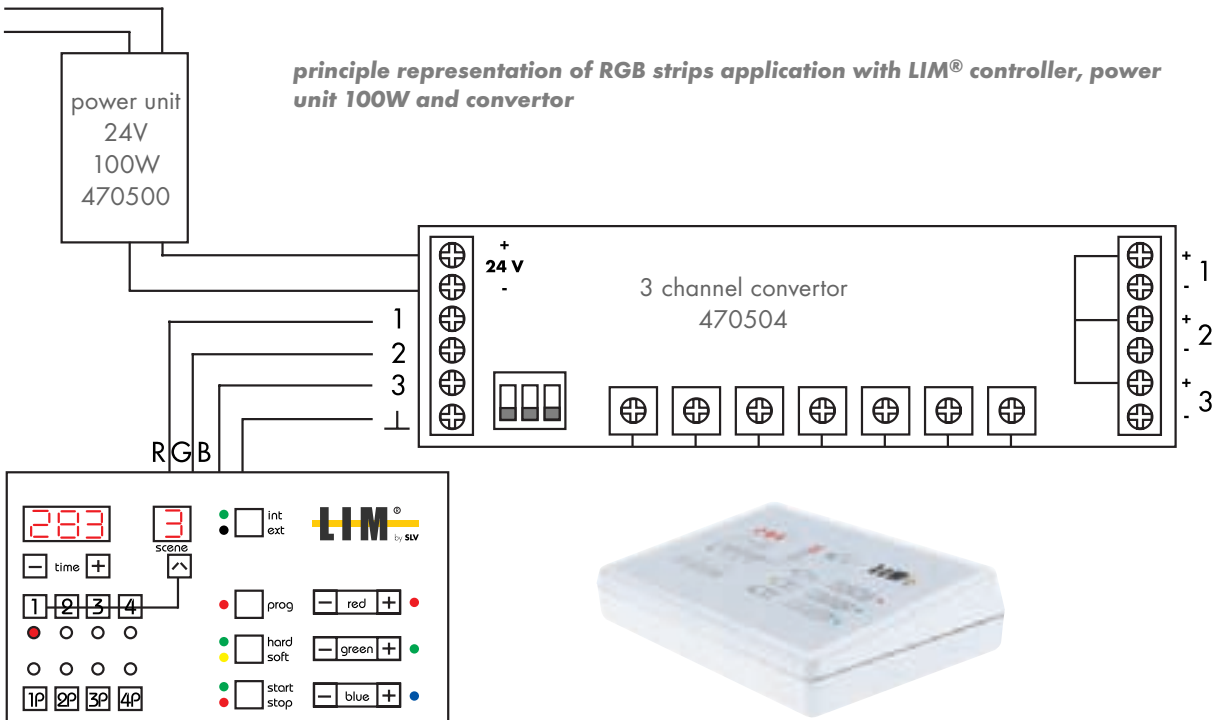
 for 229800, 229801 and 229813	24V=			IP65	connection cable for: RGB strips Outdoor 229800, 229801, 229813 5core 229804
		max. 50VA			
L: 3.3ft. (1m)					
 for 229811, 229812 and 229817	24V=			IP65	connection cable for: strips Outdoor Super Flux 229811, 229812, 229817 4core 229820
		max. 50VA			

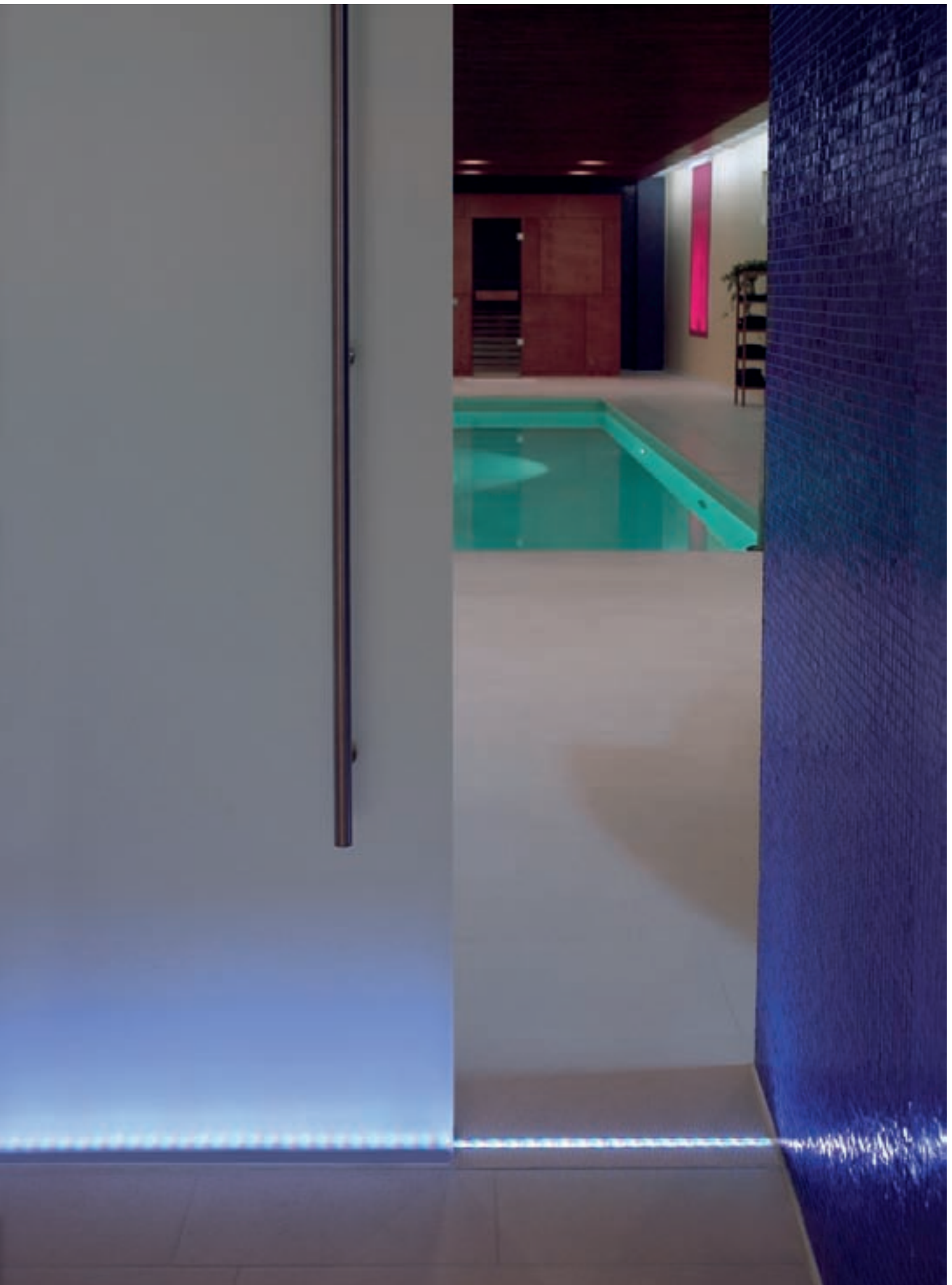
connection scheme 5-core:

white+black=(+) green=green LED brown=red LED blue=blue LED		Note! connection cable can carry a load of maximum 50W: example for RGB-strips: 18 strips à 9.8" (0,25 m) = 176 (4,5m) length, 4 strips à 39" (1m) = 156" (4m) length use an additional parallel feed-in for longer lengths!
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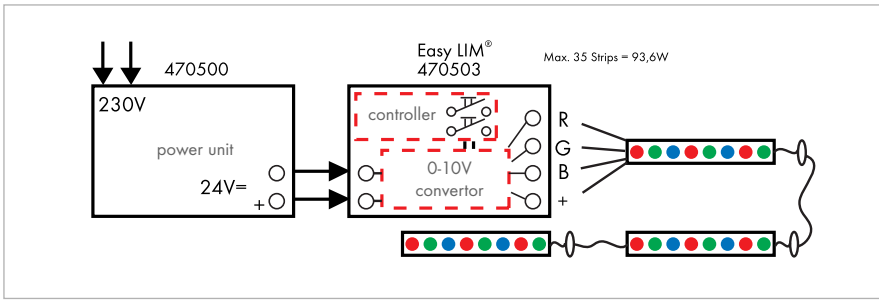
450

principle representation of RGB strips application with LIM® controller, power unit 100W and convertor

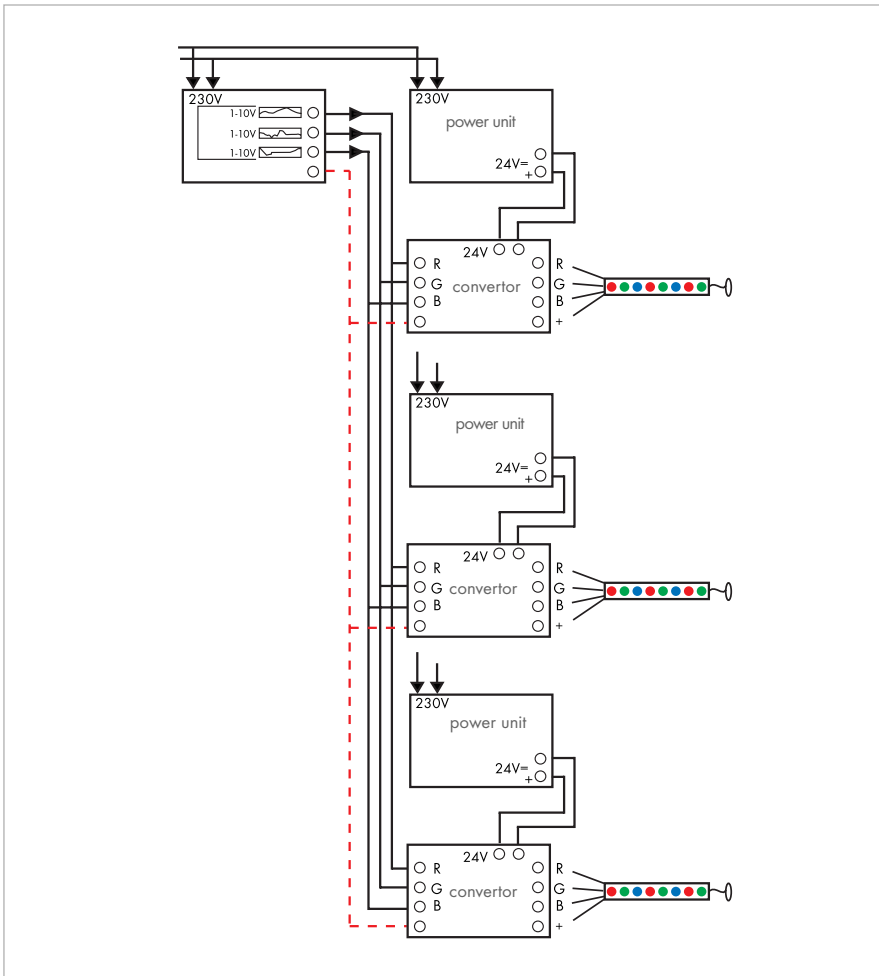




Decorative Light/ LED strips connection scheme

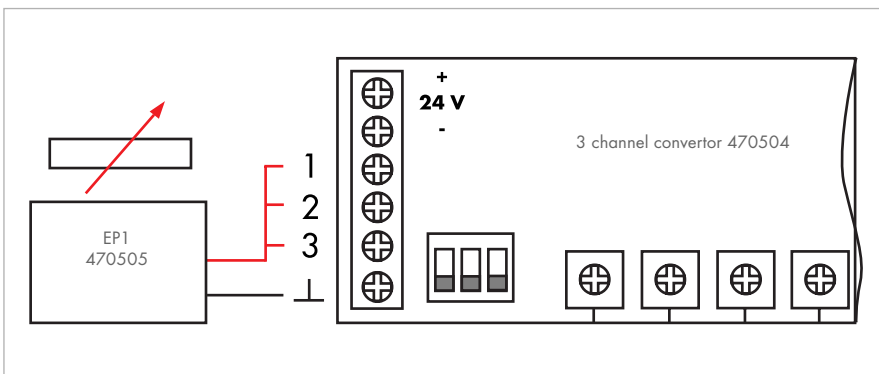


principle representation with Easy LIM® and power unit (230V or 120V)



principle representation of a parallel connection by larger loads. (230V or 120V)

452



principle representation for 3 channel-converter with EP1

Detailed technical data sheets pertaining to the theme LED-strips can be obtained on request!