lightwolf®

Ihr spezielles Licht

CHRISTMAS LIGHT SERIES

Pro System Modular 230V | Main Cables

MAIN CABLES FOR STRING LIGHTS

Connectable Main Cables for light curtains (power cable not included).

- The first step is to determine the cable colors of your system. Tronix offers choice between a white or black rubber cable.

- Then determine the quantity and size of the main cables you would need to reach the desired width for your light curtain.

Input voltage: 230V
IP rate: IP65
Material: Rubber

INPUT 230V | **IP RATE** IP65 | **CERTIFICATE** RoHS | **WARRANTY** 2 years | **CERTIFICATE** CE

proSYSTEM LED MODULAR 230V

36V Modular Lighting System

Need to light a public area? Check out the possibilities with our 36V Modular Lighting System!

Create your light design with the safe, low voltage lighting components of Pro System Modular 36V. With transparent, black or white wire and choice between warm white (3000K), warm white+ (2400K) or cold white (6500K)

proSYSTEM LED MODULAR 36V

MAIN CABLES - SMALL

60 cm - 6 sockets

MAIN CABLES - MEDIUM

100 cm - 5 sockets

MAIN CABLES - MEDIUM

120 cm - 12 sockets

MAIN CABLES - LARGE

240 cm - 24 sockets

MAIN CABLES - XL

500 cm - 5 sockets

WHICH POWER CABLES DO YOU NEED?

How much power and which power cables you need all depends on the amount and length of light strings that you need for your light design.

The first step is to make your selection of strings; the next is to determine how much power you need based on the total nr. of LED's. Have a look at the calculation examples and the complete overview of power-, extention cables and accessories on page 24-25.

ART. NR.	DESCRIPTION	LENGTH	COLOR	SOCKETS	SOCKET DISTANCE	CARTON QTY.
010-113	Main cable - small	60 cm	○ White	6	10 cm	40
010-114	Main cable - small	60 cm	● Black	6	10 cm	40
010-007	Main cable - medium	100 cm	○ White	5	20 cm	20
010-006	Main cable - medium	100 cm	● Black	5	20 cm	20
010-105	Main cable - medium	120 cm	○ White	12	10 cm	20
010-106	Main cable - medium	120 cm	● Black	12	10 cm	20
010-107	Main cable - large	240 cm	○ White	24	10 cm	10
010-108	Main cable - large	240 cm	● Black	24	10 cm	10

MAIN CABLE DIVIDER FOR CONE TREES
Connectable divider for light decoration of cone shaped trees.

INPUT	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	IP65	5	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

- This connectable main cable tree divider makes it possible to easily decorate one or more cone shaped trees as part of your lighting project.
- For larger or wider cone shaped trees, you can connect a second or third divider and expand the connections by ten pieces at a time.
- Make sure to close off any unused connections with an end cap (check accessories). When decorating trees, the recommended cable color is black.
- Excluding power cable and Light Strings.

Input voltage: 230V
Outlets: 10
IP rate: IP65
Material: Rubber (black)

Connectable: Yes (other dividers/main cables)
Power cable: Not included
End caps: Not included

Cone tree divider - 10 outlets
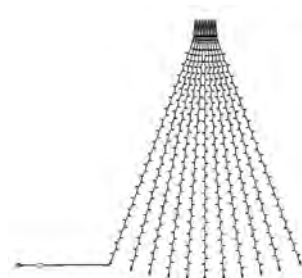Connectable with more dividers
or other Main Cables

Illustration of divider with
connected strings (10)

Visual impression using 1 divider with strings.
Connect more dividers & strings for larger trees.

ART. NR.	DESCRIPTION	OUTLETS	CARTON QUANTITY
010-109	Cone light string divider	10	5

rope
buckle
male
rubber cable
2x1x0.5mm
15cm
30cm
female

LIGHT STRINGS 10 PER DIVIDER		LIGHT COLOR (CCT)		6M - 1 STRING 60 LED'S P/S	PER DIVIDER	3M - 1 STRING 30 LED'S P/S	PER DIVIDER
Light string	● Cold white	○	6500K	011-211	10 pcs (600 LED's)	-	-
Light string	● Warm white	○	3000K	011-218	10 pcs (600 LED's)	011-118	10 pcs (300 LED's)
Light string	● Warm white+	○	2400K	011-232	10 pcs (600 LED's)	011-125	10 pcs (300 LED's)
Light string	● Warm white & flash	○	3000K/3000K	011-220	10 pcs (600 LED's)	011-120	10 pcs (300 LED's)

* For a complete overview of available light string sizes and colors - see page 14-15

ART. NR.	POWER CABLES & ACCESSORIES*	MAX. NR. LED'S
010-013	LED power cable black EU - 2 Ampère	6.000
010-019	LED power cable black EU - 5 Ampère	15.000
010-195	End cap black (to close of unused sockets)	

* For a complete overview of Pro System 230V accessories - see page 24-25

CALCULATION EXAMPLES:

- To decorate 5 medium-sized cone-shaped trees you need 5 dividers and 50 * 3M strings (30 LED's per string). For a total of 1.500 LED's you need 1* power supply 2 Ampère.
- To decorate 5 small sized cone-shaped trees you need 5 dividers and 25 * 1,5M strings (set of 2 - 15 LED's per string). For a total of 750 LED's you need 1* power supply 2 Ampère.
- To decorate 10 large cone-shaped trees you need 10 dividers and e.g. 100 * 6M strings (60 LED's per string). For a total of 6.000 LED's you need 1* power supply 2 Ampère.
- To decorate 12 large cone/conifer trees you need 12 dividers and e.g. 120 * 6M strings (60 LED's per string). For a total of 7.200 LED's you need 1* Power Supply 5 Ampère

Pro System Modular 230V | Connectable Strings

CONNECTABLE STRING LIGHTS - 10M

Compose your light curtain with our selection of strings.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	6,8W	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 6,8 Watt
Length: 10 meter
IP rate: IP65
Nr. of strings: 1
LED distance: 10 cm
Material: Rubber (black or white)
Connectable: Yes
(other dividers/main cables)
Power cable: Not included
End caps: Included
Carton quantity: 10

IP65 WITH ROUND LED

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
011-151	● Black	○ Cold white	6500K	100
011-158	● Black	○ Warm white	3000K	100
011-159	● Black	○ Warm white+	2400K	100
011-165	● Black	○ Warm white (90) & warm white flash (10)	3000K & 3000K	90/10
011-156	● Black	○ Warm white+ (80) & cold white flash (20)	2400K & 6500K	80/20
011-161	○ White	○ Cold white	6500K	100
011-168	○ White	○ Warm white	3000K	100
011-162	○ White	○ Warm white+	2400K	100
011-157	○ White	○ Warm white+ (80) & cold white flash (20)	2400K & 6500K	80/20

ART. NR.	WIRE COLOR	POWER CABLES*	MAX. NR. LED'S
010-013	● Black	LED power cable black EU - 2 Ampère	6.000
010-019	● Black	LED power cable black EU - 5 Ampère	15.000
010-012	○ White	LED power cable white EU - 2 Ampère	6.000
010-020	○ White	LED power cable white EU - 5 Ampère	15.000

Calculation example 1: For a 6 meter 3000K light curtain (black wire) and 10 meter length you need:

Main cable - black - 240cm - 24 sockets	Art. nr. 010-108	2 pc	48 sockets
Main cable - black - 120cm - 12 sockets	Art. nr. 010-106	1 pc	12 sockets
Light string 10m - black - 3000K	Art. nr. 011-158	60 pcs	6000 LED's

Total amount of LED's to empower: 60 strings à 100 LED's p/string = 6000 LED's

Power cable Black - 2 Ampère - max. 6000 LED's	Art. nr. 010-013	1 pc

Which and how many power cables you need depends on the total amount of LED's that needs te be empowered. If this total is more than 15.000 LED's (the maximum number you can empower on 1 power cable of 5 Ampère) you need to make 2 curtains.

PRO SYSTEM MODULAR

Pro System Modular: a range of IP65 components, gi-ving you the flexibility to make your own customized product. With a long durability, user friendliness and maximum light results:

Features

• IP65
• Round LED
• Advanced material composition for a long life span and easy to use
• Matching light colors with Rope Lights for uniform light effects when integrated
• Compatible with Pro System Modular IP44 (previous range)

CONNECTABLE STRING LIGHTS - 6M
Compose your light curtain with our selection of strings.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	4,6W	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 4,6 Watt
Length: 6 meter
IP rate: IP65
Nr. of strings: 1
LED distance: 10 cm
Material: Rubber (black or white)
Connectable: Yes
(other dividers/main cables)
Power cable: Not included
End caps: Included
Carton quantity: 10

IP65 WITH ROUND LED

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
011-211	● Black	○ Cold white	6500K	60
011-218	● Black	○ Warm white	3000K	60
011-232	● Black	○ Warm white+	2400K	60
011-220	● Black	○☼ Warm white (54) & warm white flash (6)	3000K & 3000K	54/6
011-233	● Black	○☼ Warm white+ (48) & cold white flash (12)	2400K & 6500K	48/12
011-221	○ White	○ Cold white	6500K	60
011-228	○ White	○ Warm white	3000K	60
011-231	○ White	○ Warm white+	2400K	60
011-234	○ White	○☼ Warm white+ (48) & cold white flash (12)	2400K & 6500K	48/12

ART. NR.	WIRE COLOR	POWER CABLES*	MAX. NR. LED'S
010-013	● Black	LED power cable black EU - 2 Ampère	6.000
010-019	● Black	LED power cable black EU - 5 Ampère	15.000
010-012	○ White	LED power cable white EU - 2 Ampère	6.000
010-020	○ White	LED power cable white EU - 5 Ampère	15.000

Calculation example 2: For a 12 meter 2400K light curtain (white wire) with 13 meter drop-down:

Main cable - white - 240cm	Art. nr. 010-107	5 pcs	120 sockets
String light - 10m white wire - 2400K - 100 LED's p/string	Art. nr. 011-162	120 pcs	12000 LED's
End strings - 3m white wire - 2400K - 30 LED's p/string	Art. nr. 011-124	120 pcs	3600 LED's (total of 15.600 LED's)

Total amount of LED's to empower: 120 strings à 130 LED's p/string = 15.600 LED's (not possible to empower with one power supply)

Conclusion: for a curtain this size you need to split it in two parts and use an extra power supply
The easiest way is to split the curtain in two equal parts and use matching power supplies for each part. The 'split' in curtains does not have to be noticable when you empower the curtains on the far left and the far right end.

For each curtain (total 2)		Curtain 1	Curtain 2	Per curtain
Main cable - white - 240cm	Art. nr. 010-107	2 pcs	2 pcs	48 sockets
Main cable - white - 120cm	Art. nr. 010-105	1 pcs	1 pcs	12 sockets
String light - 10m white wire - 2400K - 100 LED's p/string	Art. nr. 011-162	60 pcs	60 pcs	6000 LED's
End strings - 3m white wire - 2400K - 30 LED's p/string	Art. nr. 011-124	60 pcs	60 pcs	1800 LED's

Total amount of LED's to empower per curtain: 60 strings à 130 LED's p/string = 7.800 LED's

Power cable white - 5 Ampère - max. 15.000 LED's	Art. nr. 010-020	2 pcs

Pro System Modular 230V | End Strings

CONNECTABLE END STRING | 3M | 1 STRING

Connectable cascade strings for custom-made light curtains.

| INPUT 230V | POWER 2,3W | IP RATE IP65 | CARTON QTY. 20 | CERTIFICATE RoHS | WARRANTY 2 years | CERTIFICATE CE |

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 2,3 Watt
Length: 3 meter
IP rate: IP65
Nr. of strings: 1
LED distance: 10 cm
Material: Rubber (black or white)
Connectable: Yes
Power cable: Not included
End caps: Included
Carton quantity: 20

IP65 WITH ROUND LED

3 m | 10cm | male connector | 30 LEDS
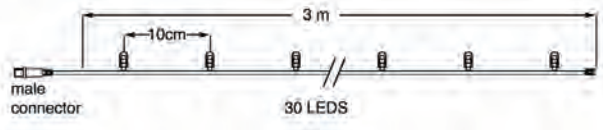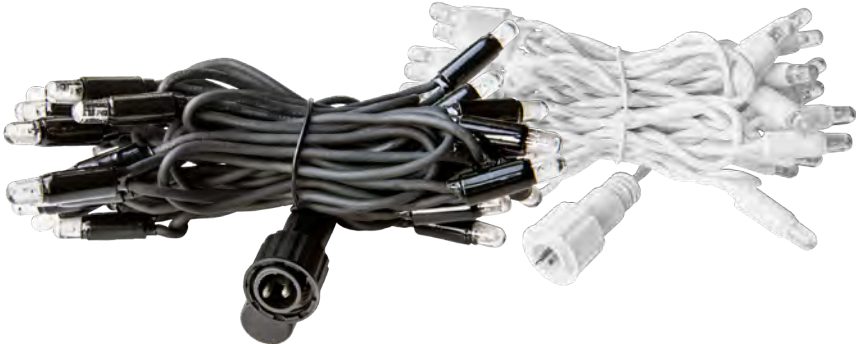
ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
011-118	● Black	○ Warm white	3000K	30
011-125	● Black	○ Warm white +	2400K	30
011-120	● Black	○ Warm white (27) & warm white flash (3)	3000K & 3000K	27/3
011-116	● Black	○ Warm white+ (24) & cold white flash (6)	2400K & 6500K	24/6
011-128	○ White	○ Warm white	3000K	30
011-124	○ White	○ Warm white +	2400K	30
011-117	○ White	○ Warm white+ (24) & cold white flash (6)	2400K & 6500K	24/6

ART. NR.	WIRE COLOR	POWER CABLES*	MAX. NR. LED'S
010-013	● Black	LED power cable black EU - 2 Ampère	6.000
010-019	● Black	LED power cable black EU - 5 Ampère	15.000
010-012	○ White	LED power cable white EU - 2 Ampère	6.000
010-020	○ White	LED power cable white EU - 5 Ampère	15.000

EASY INTEGRATION OF 2D/3D MOTIFS IN YOUR LIGHT DESIGN:

offers a selection of motifs with a special connection plug for easy integration with Pro System Modular 230V. 3D decora-tive light balls as well as twinkling stars and snowflakes can be combined with string lights and curtains to give an extra dimension to your light design.

Available in black and white
● ○

Decorative light balls in 4 sizes. White or warm white with flash

1 male plug for connecting the ball to the power cable 1 female plug to connect it to a set light strings

Y-connector for coupling with Pro System 230V. see accessories P24-25

END STRING | 1,5M | 2 STRINGS

Non-connectable cascade strings for custom-made light curtains.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	2,3W	IP65	20	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 2,3 Watt
Length: 1,5 meter
IP rate: IP65
Nr. of strings: 2
LED distance: 10 cm
Material: Rubber (black or white)
Connectable: No
Power cable: Not included
End caps: Included
Carton quantity: 20

IP65 WITH ROUND LED
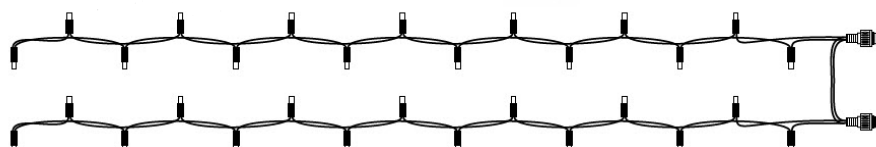
ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
011-171	● Black	○ Warm white	3000K	2 x 15
011-170	● Black	🔴 Red, green, blue & yellow	-	2 x 15
011-173	○ White	○ Cold white	6500K	2 x 15
011-172	○ White	○ Warm white	3000K	2 x 15
011-183	○ White	○ Warm white+	2400K	2 x 15

END STRING | 0,8M | 4 STRINGS

Non-connectable cascade strings for custom-made light curtains.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	2,5W	IP65	18	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 2,5 Watt
Length: 0,8 meter
IP rate: IP65
Nr. of strings: 4
LED distance: 10 cm
Material: Rubber (black or white)
Connectable: No
Power cable: Not included
End caps: Included
Carton quantity: 18

IP65 WITH ROUND LED
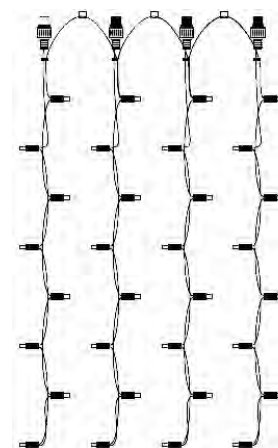
ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
011-176	● Black	○ Warm white	3000K	4 x 8
011-186	● Black	○ Warm white +	2400K	4 x 8
011-177	○ White	○ Cold white	6500K	4 x 8
011-175	○ White	○ Warm white	3000K	4 x 8
011-185	○ White	○ Warm white +	2400K	4 x 8

ART. NR.	WIRE COLOR	POWER CABLES FOR 3/1,5/0,8M END STRINGS	MAX. NR. LED'S
010-013	● Black	LED power cable black EU - 2 Ampère	6.000
010-019	● Black	LED power cable black EU - 5 Ampère	15.000
010-012	○ White	LED power cable white EU - 2 Ampère	6.000
010-020	○ White	LED power cable white EU - 5 Ampère	15.000

power plug   hang up plug
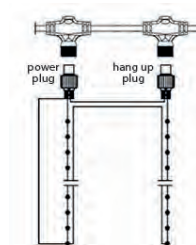
END STRINGS 1,5M & 0,8M
One plug for power, the
other one for hang-up
only (no contact/power)

Pro System Modular 230V | Cluster Lights 2M

CLUSTER LIGHT | 2M | CONNECTABLE

Light string containing side branches with small lights for easy decoration of tree branches, facades or other objects. Apply hanging down in series or connect them in any desired way for a custom-made light design.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	7W	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 7 Watt
Length: 200 cm
IP rate: IP65
LED's total: 120
LED distance: 1,67 cm
Material: Rubber (black or white)
Connectable: Yes
Power cable: Not included
End caps: Included
Carton quantity: 10

IP65 WITH ROUND LED
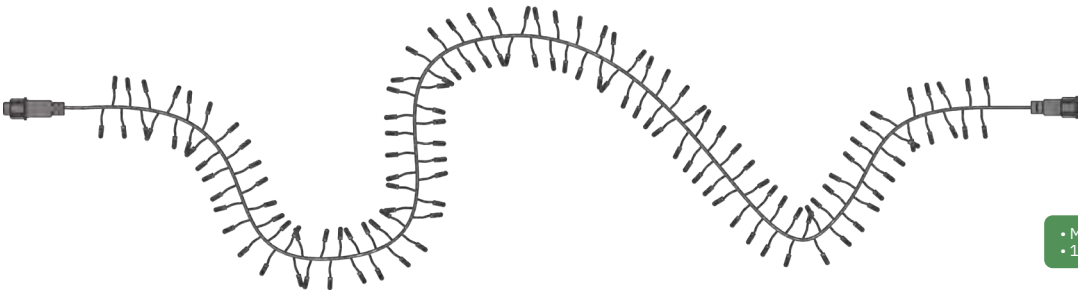
• MALE AND FEMALE CONNECTOR
• 1 STRING TOTAL - 120 LED'S

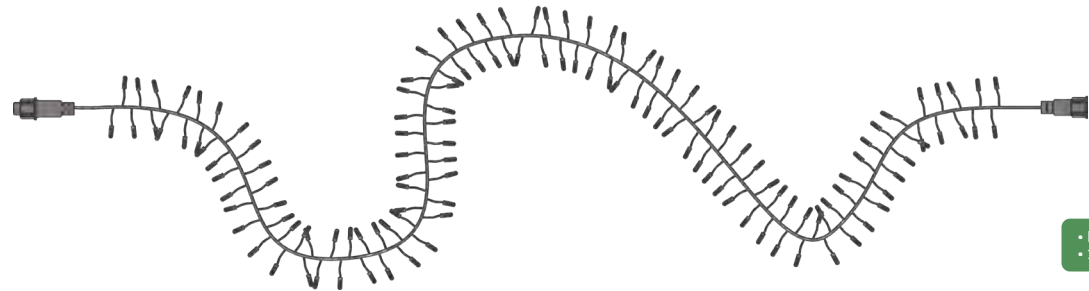| ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
012-001	● Black	○ Cold white	6500K	120
012-002	● Black	○ Warm white	3000K	120
012-003	● Black	○ Warm white+	2400K	120
012-009	● Black	○❄ Warm white+ (96) & cold white flash (24)	2400K & 6500K	96/24
012-011	○ White	○ Cold white	6500K	120
012-012	○ White	○ Warm white	3000K	120
012-013	○ White	○ Warm white+	2400K	120
012-019	○ White	○❄ Warm white+ (96) & cold white flash (24)	2400K & 6500K	96/24

Cluster Lights 3M | Pro System Modular 230V

CLUSTER LIGHT | 3M | CONNECTABLE

Light string containing side branches with small lights for easy decoration of tree branches, facades or other objects. Apply hanging down in series or connect them in any desired way for a custom-made light design.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	10,5W	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR | LED 230V

IP65 WITH ROUND LED

Input voltage: 230V
Power: 10,5 Watt
Length: 300 cm
IP rate: IP65
LED's total: 180
LED distance: 1,67 cm
Material: Rubber (black or white)
Connectable: Yes
Power cable: Not included
End caps: Included
Carton quantity: 10

• MALE AND FEMALE CONNECTOR
• 1 STRING TOTAL - 180 LED'S

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S P/STRING
012-021	● Black	○ Cold white	6500K	180
012-022	● Black	○ Warm white	3000K	180
012-023	● Black	○ Warm white+	2400K	180
012-031	○ White	○ Cold white	6500K	180
012-032	○ White	○ Warm white	3000K	180
012-033	○ White	○ Warm white+	2400K	180

CLUSTER LIGHT: CHAMPION IN VERSATILITY

Available in black and white ● ○

Versatility is the key word for these popular decorative lights, recognizable by a 'clustered' look because of the abundance of magical mini LED lights located on the side branches of the string. Application is as versatile as it gets: for easy decoration of Christmas trees or tree branches, facades or windows, or to accentuate any other object you can think of, such as gates, or railings.

Designed to connect for custom-made designs and large projects

Being part of Tronix Pro System Modular, our connectable Cluster Light strings are especially designed to be integrated in light designs for large objects and trees (>3 meters). Apply them hanging down in series, or connect in any other desired way for custom-made and spectacular light designs.

Pro System Modular 230V | Icicle Lights

ICICLE LIGHT 2M X 0,4M | CONNECTABLE

For horizontal applications, standalone use or between Main Cables.

INPUT	POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	5,5W	76	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

IP65 WITH ROUND LED

Input voltage: 230V
Power: 5,5 Watt
Length: 200 x 40 cm
IP rate: IP65
Nr. of strings: 20
LED's per string: 3-4-5
LED's total per set: 76
Material: Rubber (black or white)
Connectable: Yes
Power cable: Not included
End caps: Not included
Carton quantity: 10

2 meter - 76 LED's

40 cm
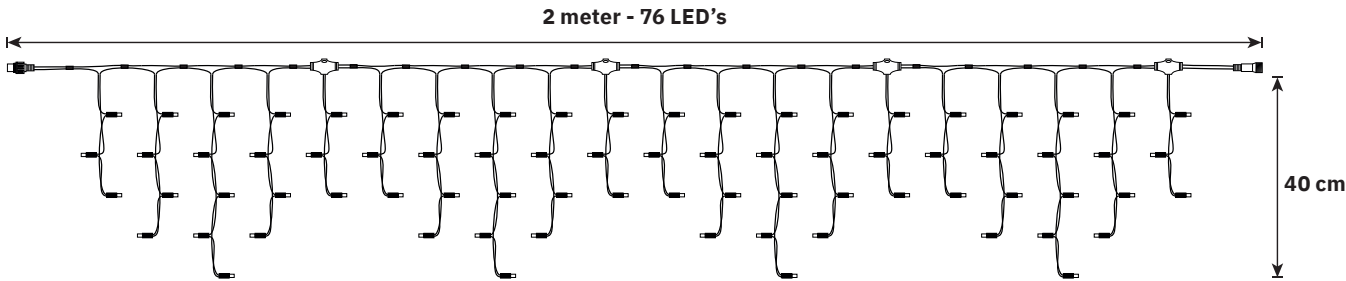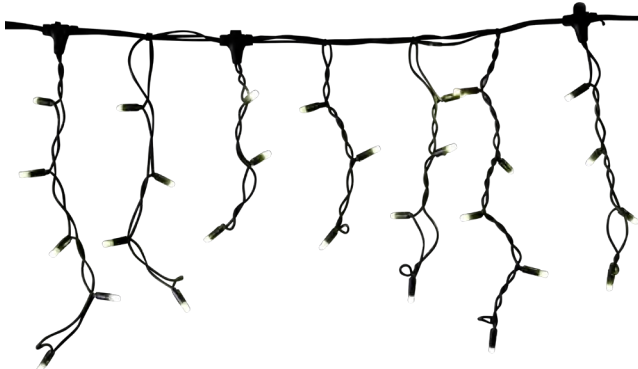
• MALE AND FEMALE CONNECTOR
• 20 STRING TOTAL - 76 LED'S

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S
007-141	● Black	○ Cold white	6500K	76
007-008	● Black	○ Warm white	3000K	76
007-020	● Black	○ Warm white+	2400K	76
007-025	● Black	○ Warm white (72) & warm white flash (4)	3000K & 3000K	72/4
007-029	● Black	○ Warm white+ (68) & cold white flash (8)	2400K & 6500K	68/8
007-010	● Black	Red, green, blue & yellow	-	76
007-140	○ White	○ Cold white	6500K	76
007-018	○ White	○ Warm white	3000K	76
007-019	○ White	○ Warm white+	2400K	76
007-026	○ White	○ Warm white (72) & warm white flash (4)	3000K & 3000K	72/4
007-030	○ White	○ Warm white+ (68) & cold white flash (8)	2400K & 6500K	68/8

Icicle Lights | Pro System Modular 230V

ICICLE LIGHT2M X 0,8M | CONNECTABLE

For horizontal applications, standalone use or between Main Cables.

INPUT	POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	11W	152	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 11 Watt
Length: 200 x 80 cm
IP rate: IP65
Nr. of strings: 20
LED's per string: 6-8-10
LED's total per set: 152
Material: Rubber (black or white)
Connectable: Yes
Power cable: Not included
End caps: Not included
Carton quantity: 10

IP65 WITH ROUND LED

2 meter - 152 LED's

80 cm
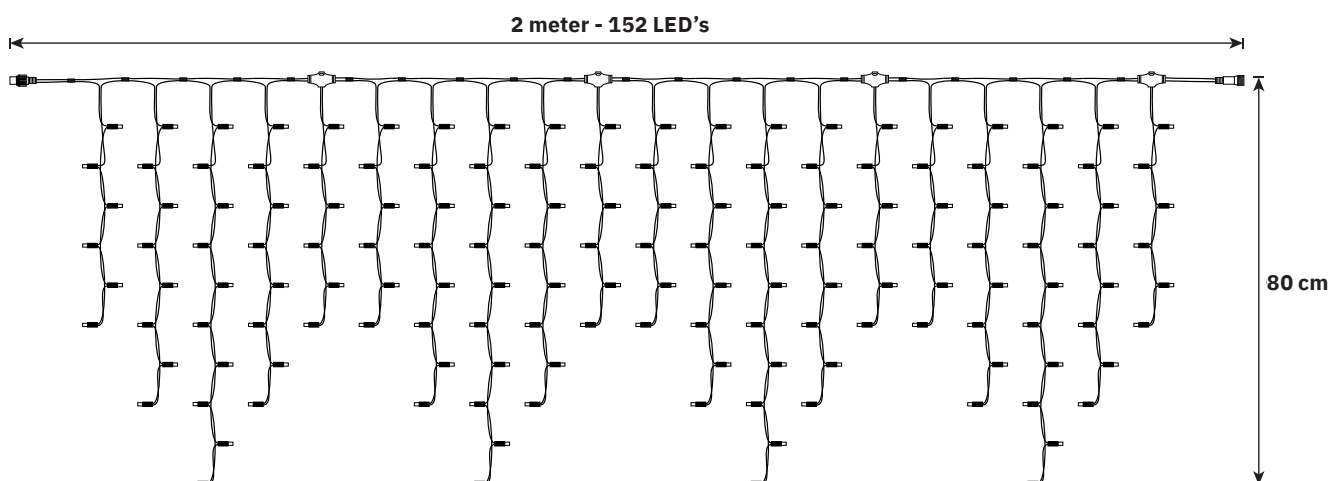
• MALE AND FEMALE CONNECTOR
• 20 STRING TOTAL - 152 LED'S

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP.	LED'S
007-050	● Black	○ Cold white	6500K	152
007-048	● Black	○ Warm white	3000K	152
007-052	● Black	○ Warm white+	2400K	152
007-053	● Black	○ Warm white (144) & warm white flash (8)	3000K & 3000K	144/8
007-049	○ White	○ Cold white	6500K	152
007-058	○ White	○ Warm white	3000K	152
007-051	○ White	○ Warm white+	2400K	152
007-054	○ White	○ Warm white (144) & warm white flash (8)	3000K & 3000K	144/8

Pro System Modular 230V | Accessories

ART. NR.		POWER CABLE BLACK	2 & 5 AMPÈRE
Ⓐ	010-013	● LED power cable black EU - 2 Ampère (6.000 LED's)
Ⓐ	010-019	● LED power cable black EU - 5 Ampère (15.000 LED's)

ART. NR.		POWER CABLE WHITE	2 & 5 AMPÈRE
Ⓑ	010-012	○ LED power cable white EU - 2 Ampère (6.000 LED's)
Ⓑ	010-020	○ LED power cable white EU - 5 Ampère (15.000 LED's)

| ART. NR. | | EXTENSION CABLE BLACK | 0,5M - 5M |
|---|---|---|
| Ⓒ | 010-201 | ● Extension cable black - 0,5 meter |
| Ⓒ | 010-203 | ● Extension cable black - 1 meter |
| Ⓒ | 010-205 | ● Extension cable black - 2 meter |
| Ⓒ | 010-207 | ● Extension cable black - 3 meter |
| Ⓒ | 010-209 | ● Extension cable black - 5 meter |

ART. NR.		EXTENSION CABLE WHITE	0,5M - 5M
Ⓓ	010-200	○ Extension cable white - 0,5 meter
Ⓓ	010-202	○ Extension cable white - 1 meter
Ⓓ	010-204	○ Extension cable white - 2 meter
Ⓓ	010-206	○ Extension cable white - 3 meter
Ⓓ	010-208	○ Extension cable white - 5 meter

ART. NR.		END CAPS	BLACK & WHITE
Ⓔ	010-195	● End cap black
Ⓕ	010-196	○ End cap white
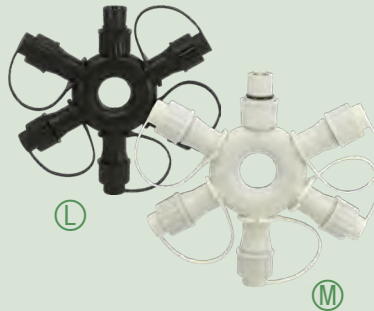
ART. NR.	CONNECTORS
Ⓖ 010-199	○ Y-connector white
Ⓗ 010-198	● Y-connector black
Ⓙ 010-004	● T-section-connector compact black (2 pcs)
Ⓚ 010-005	○ T-section-connector compact white (2 pcs)
Ⓛ 010-189	● Ring connector 5-way black
Ⓜ 010-188	○ Ring connector 5-way white
Ⓝ 010-023	● T-connector flexible black 25 cm
Ⓞ 010-022	○ T-connector flexible white 25 cm
Ⓠ 010-006	● 5-connector string 1 m black
Ⓡ 010-007	○ 5-connector string 1 m white

ART. NR.	SPECIAL ACCESSORIES
Ⓘ 010-197	● Connector 15 cm for Rope Light 13mm | black
Ⓟ 010-109	● Cone tree divider with 10 connector strings 30 cm | black | connectable (see P15)

Ⓘ

15cm

male   rubber cable 2×1.0mm²   transparent PVC connector

Ⓟ

rope
buckle
male
rubber cable
2x1x0.5mm
female
15cm
30cm
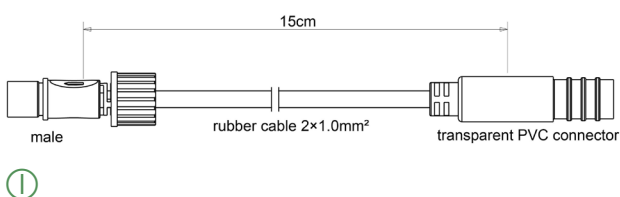
MAIN CABLES FOR 36V LIGHT STRINGS
Connectable Main Cables for light curtains

- The first step is to determine the cable colors of your system. Tronix offers choice between a Transparent or black rubber cable.
- Then determine the quantity and size of the Main Cables you would need to reach the desired width for your light curtain.

Input voltage: 36V
Length: 120, 240 or 400 cm
IP rate: IP65
Material: PVC

36V Modular Lighting System
Need to light a public area? Check out the possibilities with our 36V Modular Lighting System!

Create your light design with the safe, low voltage lighting components of Pro System Modular 36V. With transparent, black or white wire and choice between warm white (3000K), warm white+ (2400K) or cold white (6500K)

MAIN CABLE 36V - 1,2 METER

← 120 cm - 12 sockets →

MAIN CABLE 36V - 2,4 METER

← 240 cm - 24 sockets →

MAIN CABLE - BLACK

← 400 cm - 10 sockets →

ART. NR.	DESCRIPTION	LENGTH	COLOR	SOCKETS	SOCKET DISTANCE	CARTON QUANTITY
018-050	PS36 | main cable	120 cm	○ Transparent	12	10 cm	25
018-052	PS36 | main cable	240 cm	○ Transparent	24	10 cm	10
018-036	PS36 | main cable	400 cm	● Black	10	40 cm	10

Calculation example 1: For a 12 meter 2400K light curtain (white wire) with 12 meter drop-down:

Main cable - transparent - 240cm	Art. nr. 018-052	5 pcs	120 sockets
Light string 6m transparent wire - 2400K - 60 LED's p/string	Art. nr. 018-119	240 pcs	14.400 LED's

Total amount of LED's to empower: 120 strings à 120 LED's p/string = 14.400 LED's
To realize this you need: 4 x power supply 200W | Art. nr. 018-003

Calculation example 2: For 40 meter Icicle Light in 2400K with 40cm dropdown

Icicle Light 36V - warm white+ 2400K - 2m x 40 cm	Art. nr. 018-209	20 pcs

Total amount of LED's to empower: 20 x 92 LED's per set = 1.840 LED's.
To realize this you need: 1 x power supply 100W | Art. nr. 018-002

Pro System Modular 36V | Connectable Strings

CONNECTABLE LIGHT STRINGS - 10M

Compose your 36V light curtain with our selection of connectable Light Strings. Power supply not included.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	6,8W	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 36V

Input voltage: 36V
Power: 6,8 Watt
Length: 10 meter
IP rate: IP65
Nr. of strings: 1
LED's per string: 100
LED distance: 10 cm
Material: PVC (transparent)
Connectable: Yes
Power supply: Not included
End caps: Included
Carton quantity: 10

IP65 WITH ROUND LED

ART. NR.	LENGTH	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S P/STRING
018-138	10 meter	Transparent	○ Warm white	3000K	100
018-139	10 meter	Transparent	○ Warm white+	2400K	100

CONNECTABLE LIGHT STRINGS - 6M

Compose your 36V light curtain with our selection of connectable Light Strings. Power supply not included.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	4,6W	IP65	18	RoHS	2 years	CE

proSYSTEM MODULAR LED 36V

Input voltage: 36V
Power: 4,6 Watt
Length: 6 meter
IP rate: IP65
Nr. of strings: 1
LED's per string: 60
LED distance: 10 cm
Material: PVC (transparent)
Connectable: Yes
Power supply: Not included
End caps: Included
Carton quantity: 18

IP65 WITH ROUND LED

ART. NR.	LENGTH	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S P/STRING
018-118	6 meter	Transparent	○ Warm white	3000K	60
018-119	6 meter	Transparent	○ Warm white+	2400K	60

Cluster Lights | Pro System Modular 36V

## CLUSTER LIGHT - 3M | CONNECTABLE

Light string containing side branches with small lights for easy decoration of tree branches, facades or other objects. Apply hanging down in series or connect them in any desired way for a custom-made light design. Power supply not included.

| INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	10,5W	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR **LED 36V**

Input voltage: 36V
Power: 10,5 Watt
Length: 3 meter
IP rate: IP65
Nr. of strings: 1
LED's per string: 180
LED distance: 1,67 cm
Material: PVC (transparent)
Connectable: Yes
Power supply: Not included
End caps: Included
Carton quantity: 10

IP65 WITH ROUND LED
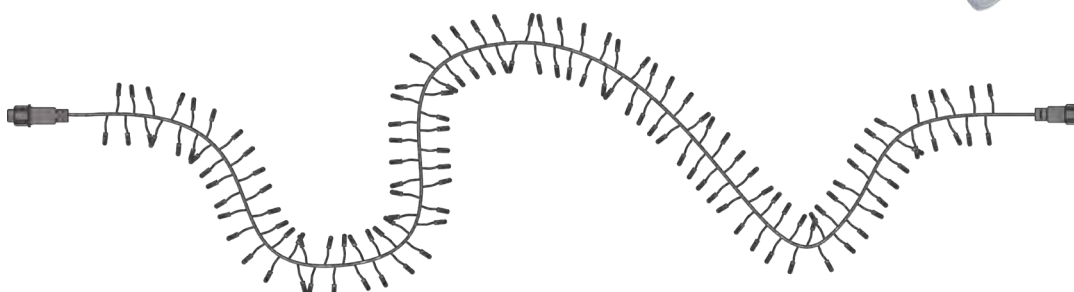
ART. NR.	LENGTH	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S P/STRING
018-318	3 meter	Transparent	○ Warm white	3000K	180
018-319	3 meter	Transparent	○ Warm white+	2400K	180

LED power supply for 36V light curtains | IP65
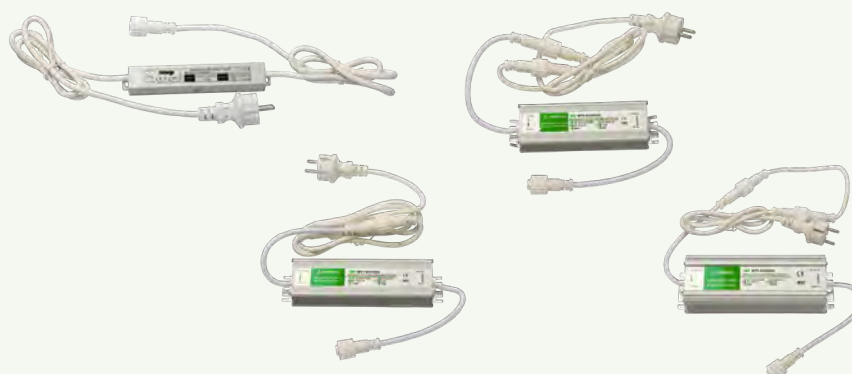
ART. NR.	POWER SUPPLIES FOR 36V STRINGS
018-005	PS36	LED power supply	30 Watt
018-001	PS36	LED power supply	60 Watt
018-002	PS36	LED power supply	100 Watt
018-003	PS36	LED power supply	200 Watt

PRO SYSTEM MODULAR

Pro System Modular: a range of IP44 and IP65 components, giving you the flexibility to make your own customized product. With a long durability, user friendliness and maximum light results

Features

• IP65 - Transparent
• IP44 - black & white (connection same as transparent)
• Round LED
• Advanced material composition for a long life span and easy to use

Pro System Modular 36V | Icicle Lights

ICICLE LIGHT 36V | 2M X 0,4M | CONNECTABLE

For horizontal applications, to use standalone or between Main Cables.
Power supply not included.

INPUT	POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	7,6W	92	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR LED 36V

Input voltage: 36V
Power: 7,6 Watt
Length: 200 x 40 cm
IP rate: IP65
Nr. of strings: 20
LED's per string: 3-5-7
LED's total per set: 92
Material: PVC (transparent)
Connectable: Yes
Power supply: Not included
End caps: Not included
Carton quantity: 10

IP65 WITH ROUND LED

2 meter - 92 LED's
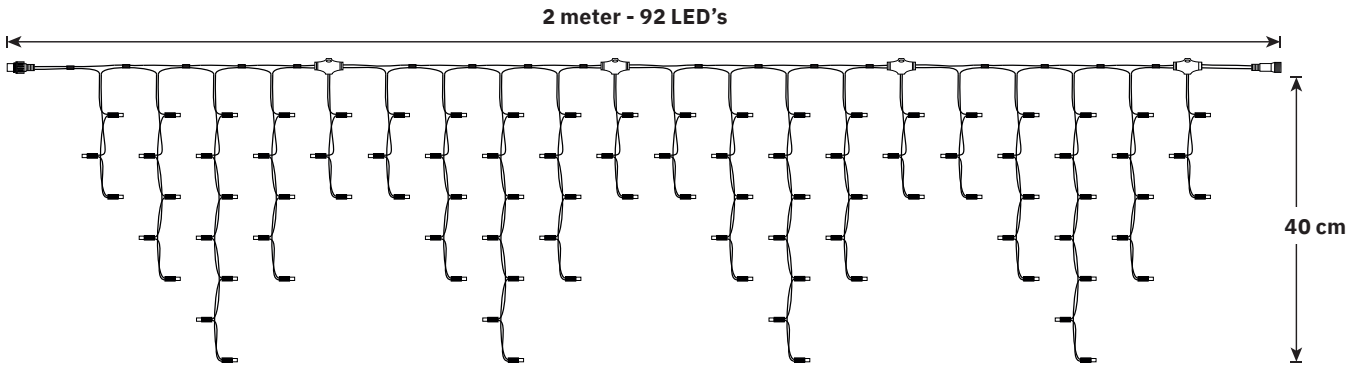
40 cm

• MALE AND FEMALE CONNECTOR
• 20 STRINGS TOTAL - 92 LED'S

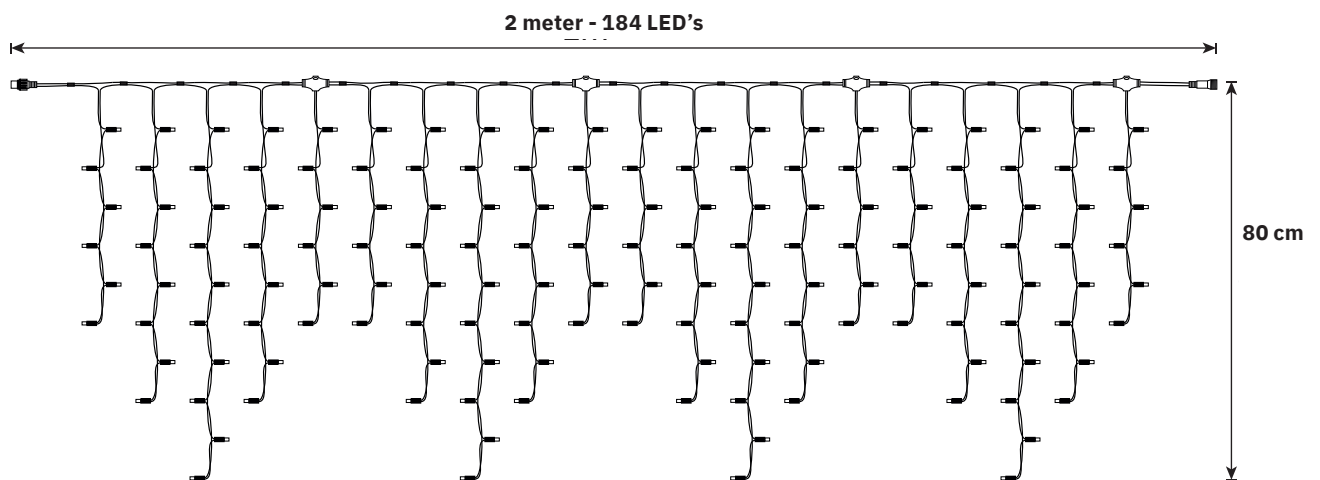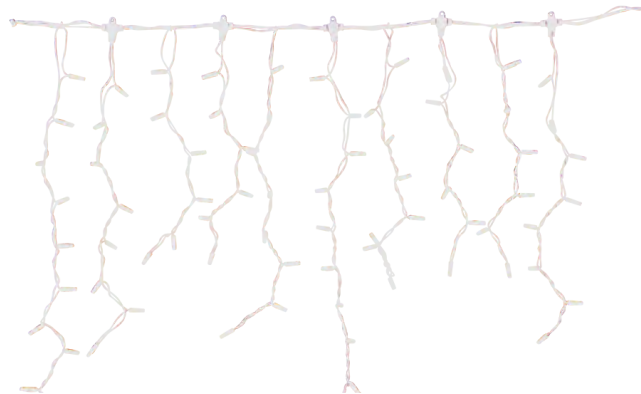| ART. NR.	LENGTH	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S
018-208	200 x 40 cm	Transparent	○ Warm white	3000K	92
018-209	200 x 40 cm	Transparent	○ Warm white+	2400K	92

ICICLE LIGHT 36V | 2M X 0,8M | CONNECTABLE

For horizontal applications, to use standalone or between Main Cables.
Power supply not included.

INPUT	POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	15,2W	184	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR | LED 36V

Input voltage: 36V
Power: 15,2 Watt
Length: 200 x 80 cm
IP rate: IP65
Nr. of strings: 20
LED's per string: 6-10-14
LED's total per set: 184
Material: PVC (transparent)
Connectable: Yes
Power supply: Not included
End caps: Not included
Carton quantity: 10

IP65 WITH ROUND LED

2 meter - 184 LED's

80 cm

• MALE AND FEMALE CONNECTOR
• 20 STRINGS TOTAL - 184 LED'S

ART. NR.	LENGTH	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S
018-218	200 x 80 cm	Transparent	○ Warm white	3000K	184
018-219	200 x 80 cm	Transparent	○ Warm white+	2400K	184

LED ICICLE LIGHTS: FOR EYE CATCHING DECORS ALL YEAR ROUND

LED Icicle Lights create a magical decor at any time of the year, not only at Christmas! There are lots of other ways to use these versatile lights all year round.

They have a professional look that adds beauty to any lighting display. Shaped like icicles, LED Icicle Lights look great decorating the eaves of buildings where actual icicles are commonly found. These dangling LED lights are also perfect hanging from mantles, deck railings, gutters, fences, and more. Just use your imagination and you'll come up with many ideas to use them all year long.

Pro System Modular 36V | Connectable Strings

CONNECTABLE LIGHT STRINGS - 10M

Compose your 36V light curtain with our selection of
connectable light strings. Power supply not included.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	6,8W	IP44	20	RoHS	2 years	CE

proSYSTEM LED MODULAR 36V

Input voltage: 36V
Power: 6,8 Watt
Length: 10 meter
IP rate: IP44
Nr. of strings: 1
LED's per string: 100
LED distance: 10 cm
Material: PVC
Connectable: Yes
Power supply: Not included
End caps: Included
Carton quantity: 20

IP44 WITH
FLAT LED

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S P/STRING
018-520	● Black	○ Cold white	6500K	100
018-521	● Black	○ Warm white	3000K	100
018-522	● Black	○ Warm white+	2400K	100
018-560	○ White	○ Cold white	6500K	100
018-561	○ White	○ Warm white	3000K	100
018-562	○ White	○ Warm white+	2400K	100

CONNECTABLE LIGHT STRINGS - 3M

Compose your 36V light curtain with our selection of connectable light strings. Power supply not included.

INPUT	POWER	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
36V	2W	IP44	30	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 36V

Input voltage: 36V
Power: 2 Watt
Length: 3 meter
IP rate: IP44
Nr. of strings: 1
LED's per string: 30
LED distance: 10 cm
Material: PVC
Connectable: Yes
Power supply: Not included
End caps: Included
Carton quantity: 30

IP44 WITH FLAT LED

ART. NR.	WIRE COLOR	LIGHT COLOR	COLOR TEMP. (CCT)	LED'S P/STRING
018-500	● Black	○ Cold white	6500K	30
018-501	● Black	○ Warm white	3000K	30
018-502	● Black	○ Warm white+	2400K	30
018-540	○ White	○ Cold white	6500K	30
018-541	○ White	○ Warm white	3000K	30
018-542	○ White	○ Warm white+	2400K	30

Calculation example 1: For a 12 meter 2400K light curtain (black wire) with 3 meter drop-down:

|			
Main Cable - black - 400cm	Art. nr. 018-036	3 pcs	30 sockets
Light String 3m black wire - 2400K - 30 LED's p/string	Art. nr. 018-502	30 pcs	900 LED's

Total amount of LED's to empower: 30 strings à 30 LED's p/string = 900 LED's
To realize this you need: 1 x power supply 60W | Art. nr. 018-001

Calculation example 2: For a 120 meter String Light in 2400K

Light string 36V - warm white+ 2400K - 10 m	Art. nr. 018-522	15 pcs

Total amount of LED's to empower: 15 x 100 LED's per set = 1.500 LED's.
To realize this you need: 1 x power supply 100W | Art. nr. 018-002

prosystem MODULAR LED 36V

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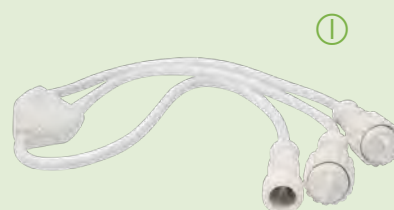
	ART. NR.	EXTENSION CABLE | 2M - 5M
Ⓐ	018-014	○ Transparent | extension cable - 2 meter
Ⓐ	018-015	○ Transparent | extension cable - 5 meter
Ⓑ	018-034	● Black | extension cable - 2 meter
Ⓑ	018-035	● Black | extension cable - 5 meter
Ⓒ	018-024	○ White | extension cable - 2 meter
Ⓒ	018-025	○ White | extension cable - 5 meter

	ART. NR.	END CAP
Ⓓ	018-011	○ Transparent | end cap
Ⓔ	018-031	● Black | end cap
Ⓕ	018-021	○ White | end cap

	ART. NR.	2-WAY DIVIDER
Ⓖ	018-012	○ Transparent | 2-way divider
Ⓗ	018-032	● Black | 2-way divider
Ⓘ	018-022	○ White | 2-way divider

	ART. NR.	3-WAY DIVIDER
Ⓙ	018-038	● Black | 3-way divider

	ART. NR.	5-WAY DIVIDER
Ⓚ	018-013	○ Transparent | 5-way divider
Ⓛ	018-033	● Black | 5-way divider
Ⓜ	018-023	○ White | 5-way divider

proSYSTEM LED MODULAR 36V

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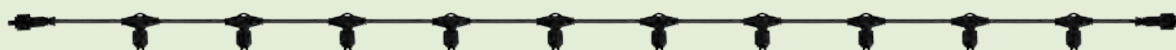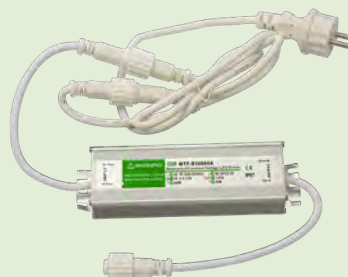
	ART. NR.	MAIN CABLES	120-400 CM
Ⓝ	018-050	○ Transparent	main cable	120 cm	12 sockets
Ⓞ	018-052	○ Transparent	main cable	240 cm	24 sockets
Ⓟ	018-036	● Black	main cable	400 cm	10 sockets

	ART. NR.	POWER SUPPLIES FOR 36V STRINGS
Ⓠ	018-005	PS36	LED power supply	30 Watt	60M or 600 LED's
Ⓡ	018-001	PS36	LED power supply	60 Watt	120M or 1200 LED's
Ⓢ	018-002	PS36	LED power supply	100 Watt	200M or 2000 LED's
Ⓣ	018-003	PS36	LED power supply	200 Watt	400M or 4000 LEDs

Tree Lighting | Light Design Tool

CONE-SHAPED TREES | GUIDELINES FOR DECORATING

Decoration basic Decoration normal Decoration intense

TREE HEIGHT [M]	DECORATION BASIC [M]	DECORATION NORMAL [M]	DECORATION INTENSE [M]
Cone shaped tree 1,5m	6	8	11
Cone shaped tree 2m	11	16	21
Cone shaped tree 2,5m	18	26	35
Cone shaped tree 3m	27	40	53
Cone shaped tree 4m	51	77	102
Cone shaped tree 5m	85	128	170
Cone shaped tree 6m	130	194	259
Cone shaped tree 7m	184	276	368
Cone shaped tree 8m	251	376	501
Cone shaped tree 9m	328	492	656
Cone shaped tree 10m	418	627	836
Cone shaped tree 12,5m	699	1048	1397
Cone shaped tree 15m	1062	1593	2124
Cone shaped tree 20m	2058	3087	4116

* These figures are only indicative and very dependent on a tree's growth process.

Light Design Tool | Tree Lighting

CROWN-SHAPED TREES | GUIDELINES FOR DECORATING

Decoration basic

Decoration intense

Decoration normal

TREE CROWN Ø [M]	DECORATION BASIC [M]	DECORATION NORMAL [M]	DECORATION INTENSE [M]
Crown shaped tree 1m	5	8	10
Crown shaped tree 1,2	8	12	15
Crown shaped tree 1,5m	13	19	25
Crown shaped tree 2m	23	35	46
Crown shaped tree 2,5m	38	57	76
Crown shaped tree 3m	57	85	113
Crown shaped tree 4m	106	159	212
Crown shaped tree 5m	173	259	345
Crown shaped tree 6m	258	387	516
Crown shaped tree 7m	362	543	724
Crown shaped tree 8m	486	728	971
Crown shaped tree 9m	629	943	1257
Crown shaped tree 10m	793	1189	1585
Crown shaped tree 15m	1934	2901	3868

* These figures are only indicative and very dependent on a tree's growth process.

Tree Lighting 24V | Easy decoration of larger trees

On the next few pages you can use our light design tool to help you determine the light string quantity for any size tree. The String Light Pro is a 63M low voltage and connectable light string to decorate any larger tree.

Here's a few tips & tricks from a tree light professional to help you use and install Tronix String Light Pro in a such a way that best results in decorative effects and product sustainability are guaranteed.

2 ways to mount String Light Pro:

1. **Rotated around the branch**
   One way is to rotated around a branch, whereby the lighting must be rotated loosely around the branch. If it is too tight, the tree can pull the lighting apart as it grows.

2. **Upright mounting following the branch**
   Another way is to is to tie the light string neatly to the tree branch in an upright position, using our rubber tie tubes (Art.nr. 535-090) to keep the wire in place. This method will have a "neater" appearance because the lighting is mounted in-line with the branch.
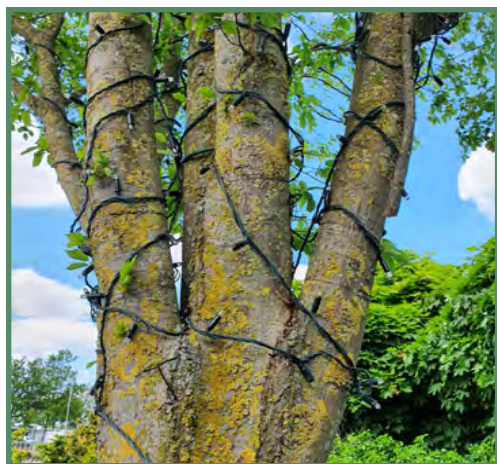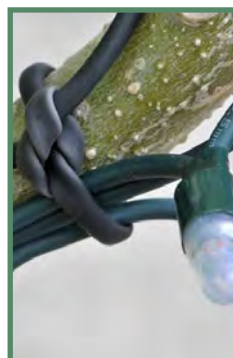

① Loosely rotated around the branch

② Mounted upright position following the branch
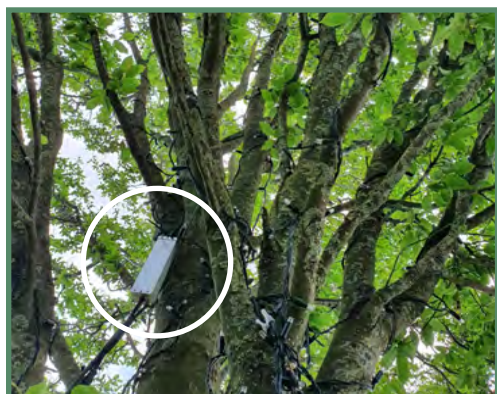
Placing the driver in the crown of the tree is the safest solution (e.g. in public areas)

Using elastic tie tube Art. nr. 535-090 to tie strings together of attach them to the branch

Important to know

- With fast growing trees, such as plane or young trees, it is important to check after 1 or 2 years if there still is enough space between the wire and the branch.
- Approximate time that the lighting can remain in the tree is about 5 years (due to natural growth or trimming)
- It is recommendable to hire a professional to install your tree lighting. To make sure it happens in the best possible way. They are experts and often dispose of reach trucks for safe installation.
- Wires can be tied together with Tronix connectors Art. nr. 595-030/595-031 or by using Tronix dividers Art. nr. 535-005 or 535-020.

Check P43 for an overview of all available String Light Pro 24V accessories

Don't forget

❶ To always leave enough room between the wire and the branch

❷ To use Tronix elastic tie tube for tight results and best protection of the tree

❸ Only to use cheap tie wraps for loose wrapping or short term use

❹ Not to pull the light strings over edges or sharp parts during (dis)assembly

❺ For best protection against moisture, always mount connectors in an upright position
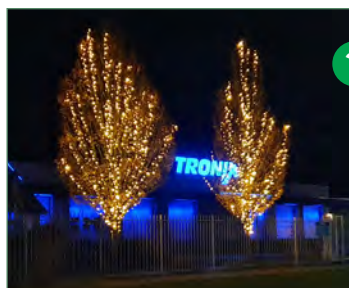
? Need help or advice?
Don't hestitate to contact us. we are glad to be of assistance.

TREE LIGHT PROFESSIONAL 24V
63M | REGULAR

63 meter tree light string with 420 LED's for decorating larger trees.
Regular version with vertically positioned side branche.

INPUT	POWER	LED QNTY	CUT. DIST.	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
24V	25W	420	90CM	IP65	8	RoHS	2 years	CE

Input voltage: 24V
Power: 25 Watt
Length: 63 meter
Wire color: Green
IP rate: IP65
LED quantity: 420
LED distance: 15 cm
Cutting distance: 90 cm
Connectable: Yes (max. 63 meter in one line)
Power supply: Not included
Carton quantity: 8

ART. NR.	WIRE COLOR	LIGHT COLOR	CCT	LED QTY
025-021	● Green	○ Cold white	6500K	420
025-018	● Green	○ Warm white	3000K	420
025-019	● Green	○ Warm white+	2400K	420

ACCESSORIES FOR TREE LIGHT PROFESSIONAL 24V

2-WAY DIVIDER (5 PCS)
Art. nr. 535-005

5-WAY DIVIDER (2 PCS)
Art. nr. 535-020

EXTENSION CABLE 4M (2 PC)
Art. nr. 535-025

AMP DIVIDER
Art.nr. 535-050 (2,3mm/100pcs)
Art.nr. 535-051 (4,2mm/25pcs)

ELASTIC TIE TUBE 50M
to protect tree branches
Art. nr. 535-090

CONNECTOR FEMALE - BAG 100 PCS.
Art. nr. 535-032 (red)
Art. nr. 535-033 (blue)

CONNECTOR MALE BAG 100 PCS.
Art. nr. 535-030 (red)
Art. nr. 535-031 (blue)

POWER SUPPLY 24V | 30W
Art. nr. 215-300

POWER SUPPLY 24V | 60W
Art. nr. 215-301

POWER SUPPLY 24V | 100W
Art. nr. 215-302

POWER SUPPLY 24V | 200W
Art.nr. 215-304

ART. NR.	POWER SUPPLIES 24V	SIZE L X W X H	WIRE LENGTH IN	OUT	CONNECTION TYPE
215-300	Power supply 24V	IP67	30 Watt	182 x 29 x 20 mm	100 cm	100 cm	Shuko power/ DC plug
215-301	Power supply 24V	IP67	60 Watt	192 x 47 x 36 mm	100 cm	100 cm	Shuko power/ DC Plug
215-302	Power supply 24V	IP67	100 Watt	188 x 68 x 39 mm	100 cm	100 cm	Shuko power/ DC Plug
215-304	Power supply 24V	IP67	200 Watt	230 x 130 x 60 mm	110 cm	20 cm	2x AMP/ 2x DC Plug

Tree Lighting | String Light Pro 36V

TREE LIGHT PROFESSIONAL 36V | 4M

4 meter String Light for decorating small to larger trees.
With male & female connector.

POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
1,5W	30	IP65	10	RoHS	2 years	CE

proSYSTEM LED MODULAR 36V

Input voltage: 36V
Power: 1,5 Watt
Length: 4 meter
Wire color: Green
IP rate: IP65
LED quantity: 30
LED distance: 15 cm
Cutting distance: 150 cm
Connectable: Yes (max. 63 meter in one line)
Power supply: Not included
Carton quantity: 20

ART. NR.	WIRE COLOR	LIGHT COLOR	CCT	LED QTY
025-141	● Green	○ Cold white	6500K	30
025-138	● Green	○ Warm white	3000K	30
025-139	● Green	○ Warm white+	2400K	30

TREE LIGHT PROFESSIONAL 36V | 10M

10 meter tree light string for decorating small to larger trees.
With male & female connector

POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
3W	70	IP65	20	RoHS	2 years	CE

proSYSTEM LED MODULAR 36V

Input voltage: 36V
Power: 3 Watt
Length: 10 meter
IP rate: IP65
LED quantity: 70
LED distance: 15 cm
Cutting distance: 150 cm
Connectable: Yes (max. 63 meter in one line)
Power supply: Not included
Wire color: Green
Carton quantity: 20

ART. NR.	WIRE COLOR	LIGHT COLOR	CCT	LED QTY
025-131	● Green	○ Cold white	6500K	70
025-128	● Green	○ Warm white	3000K	70
025-129	● Green	○ Warm white+	2400K	70

LOW VOLTAGE MODULAR STRING LIGHT 4/10/21M

Create your own design
• Safe low voltage, ideal for public places
• Connectable at two sides (in and out)
• Easy to use
• Choice in length & color for custom-made light designs

TREE LIGHT PROFESSIONAL 36V | 21M

21 meter String Light for decorating small to larger trees.
With male & female connector.

POWER	LED QTY	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
6W	140	IP65	10	RoHS	2 years	CE

proSYSTEM MODULAR | LED 36V

Input voltage: 36V
Power: 6 Watt
Length: 21 meter
IP rate: IP65
LED quantity: 140
LED distance: 15 cm
Cutting distance: 150 cm
Connectable: Yes (max. 63 meter in one line)
Power supply: Not included
Wire color: Green
Carton quantity: 10

ART. NR.	WIRE COLOR	LIGHT COLOR	CCT	LED QTY
025-121	● Green	○ Cold white	6500K	140
025-118	● Green	○ Warm white	3000K	140
025-119	● Green	○ Warm white+	2400K	140

ACCESSORIES FOR TREE LIGHT PROFESSIONAL 36V

2-WAY DIVIDER
Art. nr. 018-032

3-WAY DIVIDER
Art. nr. 018-038

5-WAY DIVIDER
Art. nr. 018-033

EXTENSION CABLE 2M | 5M
Art. nr. 018-034 | Art. nr. 018-035

ELASTIC TIE TUBE 50M
to protect tree branches
Art. nr. 535-090

MAIN CABLE 4M | 10 SOCKETS
For vertical hanging Light Strings
Art. nr. 018-036

END CAP
Art. nr. 018-031

POWER SUPPLY 36V | 30W
Art. nr. 018-005

POWER SUPPLY 36V | 60W
Art. nr. 018-001

POWER SUPPLY 36V | 100W
Art. nr. 018-002

POWER SUPPLY 36V | 200W
Art.nr. 018-003

ART. NR.	POWER SUPPLIES 36V	SIZE L X W X H	CONNECTION TYPE	MAX. CONNECT
018-005	Power supply 36V	IP67	30 Watt	182 x 30 x 20 mm	Schuko ungrounded	60M or 600 LED's
018-001	Power supply 36V	IP67	60 Watt	160 x 50 x 35 mm	Schuko ungrounded	120M or 1200 LED's
018-002	Power supply 36V	IP67	100 Watt	180 x 50 x 35 mm	Schuko ungrounded	200M or 2000 LED's
018-003	Power supply 36V	IP67	200 Watt	205 x 75 x 45 mm	Schuko ungrounded	400M or 4000 LED's

Tree Lighting | Tips & Tricks

DECORATING TREES: TIPS & TRICKS

When decorating trees with lights, there are some basic measurements that you need to take into account, such as size and diameter of the tree trunk as well as the branches you wish to decorate. Other considerations are the intensity of light decoration - influenced by light string quantity and LED distance. On the next few pages you can use our light design tool to help you determine the light string quantity for any size tree.

Trees are often decorated incorrectly in terms of working method and applying the string light in the most suitable manner.

Tips & Tricks:

Work from the down side of the tree branch
When applying the light strings onto/around the tree, keep in mind that for the viewers on the ground, the lights will be best visible when applied on the down (not the upper side) of the tree branch. This often goes wrong because from an installer's point of view, standing on a platform of a height worker, they will do the exact opposite.

Don't wrap the wire but make it follow the branches. When aiming to leave the lights in the tree for a longer period of time, make sure to apply the wire in the correct way: following the branch in a straight line instead of being (too tightly) winded around the tree. See also the illustration below. Select the desired light color of the light strings and other product components.

To connect 2 String Lights:

1. Screw on the connection part at the end of the plug
2. Open the connection part, put the plug cable away
3. Screw on the end cap
4. Pull out the sealing plug
5. Connect the two strings to each other
6. Screw on the connection part.

LED efficiency and possibilities

Over the last few years, LED development has finally conquered the area of Christmas lighting. Slowly the world has started to realize that modern LED technology has been opening a lot of doors in terms of color shades and versatility in application. On top of LED's having an extremely low energy consumption and a much longer life of course.

Important

Don't:
Never wind the wire around the branch like is done in the picture below. The branch will grow or sometimes even expand because of temperature changes. As you can see, the wire will be tightened around the branch as a result, causing it to break or be damaged.

Do:
Better lead the wire in line with the branch and use a rubber tie tube (Art. nr. 535-090) to keep the wire in place. Plastic tie-wraps are only suitable for short term use as they will eventually bring harm to the tree.

High quality for solid results and durability

The outer light chains are designed in a very robust and excellent quality. The LED's are sealed towards the cable and covered with a protective tube. The cables are made of rubber or a PVC alloy that is resistant to UV radiation. In addition, the wire is IP65 water resistant. Following a safe working method ensures a long lifespan of Tronix Tree Lighting.

Important:
Make sure not to pull the strings over edges or sharp parts during assembly and disassembly. This may cause damage to the wire.

Need help or advice? Don't hestitate to contact us. we are glad to be of assistance.

Tree Lighting | String Light 230V

STRING LIGHT | 230V | 10M | INDOOR & OUTDOOR

Available in warm white+, warm white or multicolor (red, yellow, blue, green, white).
Connectable up to 10 pcs, including Schuko power cable 010-013.

INPUT	LED QTY	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	25	10	IP65	RoHS	2 years	CE

proSYSTEM MODULAR LED 230V

Input voltage: 230V
Power: 4,6 Watt
Length: 10 meter
Wire color: Black
IP rate: IP65
LED quantity: 25
LED distance: 39 cm
Connectable: Yes
Dimmable: Yes, triac
Power cable: 150 cm Schuko power cable included
Carton quantity: 10

10000mm

390 mm
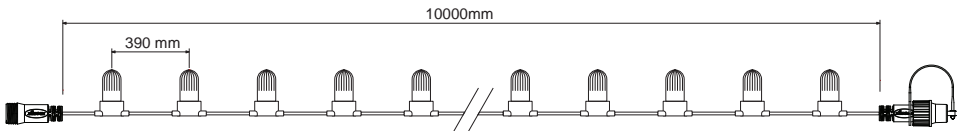
ART. NR.	INPUT	WIRE COLOR	POWER	LIGHT COLOR	LED QTY	MAX. TO CONNECT	CARTON QUANTITY
024-078	230V	● Black (rubber)	4,6 Watt	○ Warm white | 3000K	25	10 string lights (1 power cable)	10
024-079	230V	● Black (rubber)	4,6 Watt	○ Warm white+ | 2400K	25	10 string lights (1 power cable)	10
024-070	230V	● Black (rubber)	4,6 Watt	●● Multicolor + white	25	10 string lights (1 power cable)	10

STRING LIGHT: ALL YEAR ROUND APPLICABILITY

String Lights 230V can be used as a string for trees during the Christmas
season, but also as a festive, multi-functional partylight during summer.
Being fully connectable with Pro System Modular 230V, Tronix String
Light 230V can easily be integrated in your own creative light design.

RUBBER

Multicolor
String Light

Designed for flexibility

The string has a rubber cable designed for flexibility and good
resistance to all weather conditions. This type of material is easy to
work with because it's highly flexible and therefore ideally suited for
hang-up between two objects, or for easy tree decoration with single
bulb hang-up attachments. With PVC, non-breakable bulbs.

WEB LIGHT | 24V OR 230V | INDOOR & OUTDOOR

Connectable (max. 20 sets).

| INPUT 230V | INPUT 24V | IP RATE IP65 | CERTIFICATE RoHS | WARRANTY 2 years | CERTIFICATE CE |

Input voltage: 24V (including transformer) or 230V
IP rate: IP65
Connectable: Yes
Power cable: 1,80 meter (included)

PLUG & PLAY

2,00m
2,00m
1,50m

INPUT 24V
Warm white

0,60m / 1,20m / 2,00m / 3,00m
2,00m
2,19m
2,50m
4,00m
3,00m

INPUT 230V
Warm white
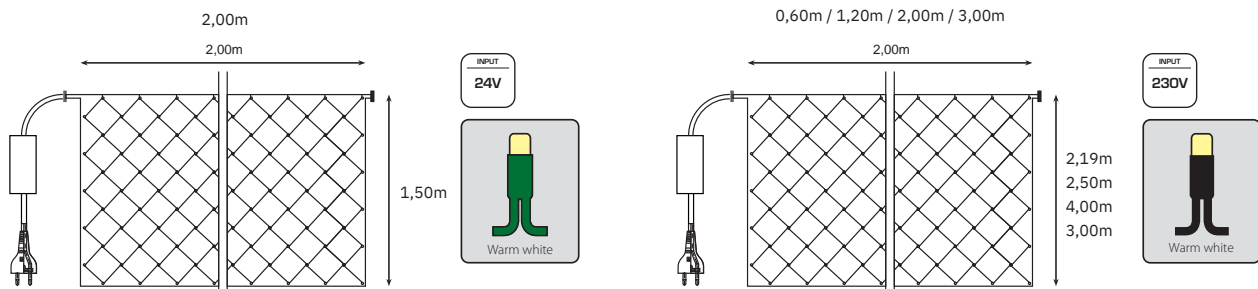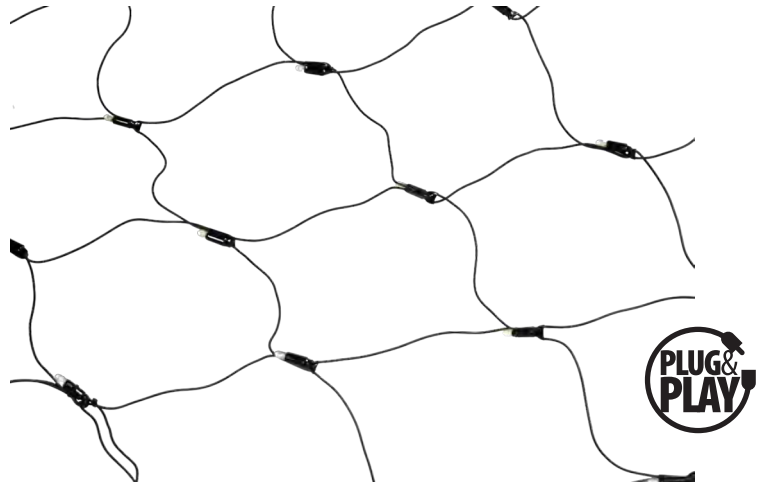
ART. NR.	INPUT	WIRE COLOR	POWER	LIGHT COLOR	SIZE	LED QTY	MAX. TO CONNECT	CARTON QUANTITY
033-008	24V	● Green (PVC)	17 Watt	○ Warm white	3200K	200 x 150 cm	156	8 sets	8

ART. NR.	INPUT	WIRE COLOR	POWER	LIGHT COLOR	SIZE	LED QTY	MAX. TO CONNECT	CARTON QUANTITY
033-028	230V	● Black (rubber)	40 Watt	○ Warm white | 3200K	250 x 120 cm	406	12 sets	4
033-038	230V	● Black (rubber)	65 Watt	○ Warm white | 3200K	400 x 200 cm	648	8 sets	2
033-048	230V	● Black (rubber)	75 Watt	○ Warm white | 3200K	300 x 300 cm	750	6 sets	1

ACCESSORIES FOR WEB LIGHT 230V

For LED Web Light Plug & Play accessories we refer to the available items as shown on P22-23 (picture C, D, J, K, N, O)

2D Motifs | Connectable

CRYSTAL SNOWFLAKE MOTIF | 60CM | CONNECTABLE

With sturdy aluminium frame and connection for easy integration with light curtains and designs.

INPUT	POWER	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	13W	5	IP44	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 230V

Input voltage: 230V
Power: 13 Watt
Size: 60 x 52 cm
LED quantity: 36 p/m
IP Rate: IP44
Connectable: Yes
Power cable: Not included
Carton quantity: 5

ART. NR.	LIGHT COLOR	COLOR TEMP. (CCT)	SIZE
580-020	Cold white	○ 6500K	60 x 52 cm
580-021	Warm white+	○ 2400K	60 x 52 cm
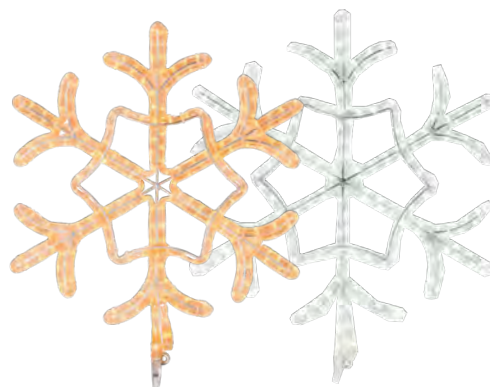
STAR 8-POINT MOTIF | 60CM | CONNECTABLE

With sturdy aluminium frame and connection for easy integration with light curtains and designs.

INPUT	POWER	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	5,4W	5	IP44	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 230V

Input voltage: 230V
Power: 5,4 Watt
Size: 60 x 60 cm
LED quantity: 36 p/m
IP Rate: IP44
Connectable: Yes
Power cable: Not included
Carton quantity: 5

ART. NR.	LIGHT COLOR	COLOR TEMP. (CCT)	SIZE
580-022	Cold white	○ 6500K	60 x 60 cm
580-023	Warm white+	○ 2400K	60 x 60 cm

TWINKLE STAR MOTIF 5-POINT | 60CM | CONNECTABLE

With sturdy aluminium frame and connection for easy integration with light curtains and designs.

INPUT	POWER	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	6,7W	5	IP44	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 230V

Input voltage: 230V
Power: 6,7 Watt
Size: 60 x 57 cm
LED quantity: 36 p/m
IP Rate: IP44
Connectable: Yes
Power cable: Not included
Carton quantity: 5

ART. NR.	LIGHT COLOR	COLOR TEMP. (CCT)	SIZE
580-024	Cold white	○ 6500K	60 x 57 cm
580-025	Warm white+	○ 2400K	60 x 57 cm

CRYSTAL SNOWFLAKE MOTIF | NEON | CONNECTABLE

Aluminium frame outlined with LED neon Rope Light (no visible light dots), and connection for easy integration with light curtains and designs.

INPUT	POWER	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	10W	5	IP44	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 230V

Input voltage: 230V
Power: 10 Watt
Size: 50 x 43 cm
LED quantity: 162
IP Rate: IP44
Connectable: Yes
Power cable: Not included
Carton quantity: 5

ART. NR.	LIGHT COLOR	COLOR TEMP. (CCT)	SIZE
580-032	Warm white	○ 3000K	50 x 43 cm

STAR 12-POINT MOTIF | NEON | CONNECTABLE

Aluminium frame outlined with LED neon Rope Light (no visible light dots), and connection for easy integration with light curtains and designs.

INPUT	POWER	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	6,7W	5	IP44	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 230V

Input voltage: 230V
Power: 6,7 Watt
Size: 50 x 43 cm
LED quantity: 120
IP Rate: IP44
Connectable: Yes
Power cable: Not included
Carton quantity: 5

ART. NR.	LIGHT COLOR	COLOR TEMP. (CCT)	SIZE
580-030	Warm white	○ 3000K	50 x 43 cm

100% matching colors with
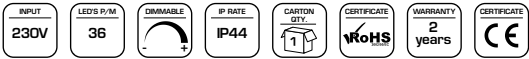
proSYSTEM MODULAR **LED** 230V

INTEGRATE THESE MOTIFS IN PRO SYSTEM MODULAR 230V LIGHT DESIGNS

All models on this page have an easy connection plug for creative combinations with the products and light curtain possibilities as shown in the first chapter "Pro System Modular 230V". With the accessories shown on page 22-23 you can add Motifs and make your personal light design complete.

Rope light | 230V

LED ROPE LIGHT | 230V | 50/51M

Input voltage: 230V
Power: 3,2 Watt/meter
Length: 50/51 meter
Width: Ø 13 mm
Dimmable: Yes
IP rate: IP65
LED type: DIP LED
LED structure: Vertical / horizontal
LED quantity: 36 p/m
Max. to connect: 50/51 meter
Power cable: Included (Schuko ungrounded plug)
Carton quantity: 1

INPUT	LED'S P/M	DIMMABLE	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	36		IP44	1	RoHS	2 years	CE

100% matching colors with **pro**SYSTEM MODULAR LED 230V

ART. NR.	LIGHT COLOR	LENGTH	LED STRUCTURE	POWER	✂	LED QTY
055-001	○ Cold white	51 meter	Vertical	3,2 Watt/meter	150 cm	36 LED p/m
055-008	✳ Warm white (3000K)	51 meter	Vertical	3,2 Watt/meter	150 cm	36 LED p/m
055-010	○ Warm white+ (2400K)	50 meter	Vertical	3,2 Watt/meter	150 cm	36 LED p/m

ART. NR.	LIGHT COLOR	LENGTH	LED STRUCTURE	POWER	✂	LED QTY
055-101	○ Cold white (6500K)	50 meter	Horizontal	3,2 Watt/meter	100 cm	36 LED p/m
055-108	○ Warm white (3000K)	50 meter	Horizontal	3,2 Watt/meter	100 cm	36 LED p/m
055-110	○ Warm white+ (2400K)	50 meter	Horizontal	3,2 Watt/meter	100 cm	36 LED p/m

ART. NR.	ACCESSORIES - 230V LED ROPE LIGHT
065-005	Power cable EU for 230V LED Rope Light & end cap - IP44	1,5M
485-160	PVC channel	to guide the direction of Rope Lights	2M
485-165	PET channel	UV-, chlorine-, salt-, & water resistant	2M
485-170	Aluminium channel	high quality with high output	2M

Power cable EU
Art. nr. 065-005

PVC channel
Art. nr. 485-160

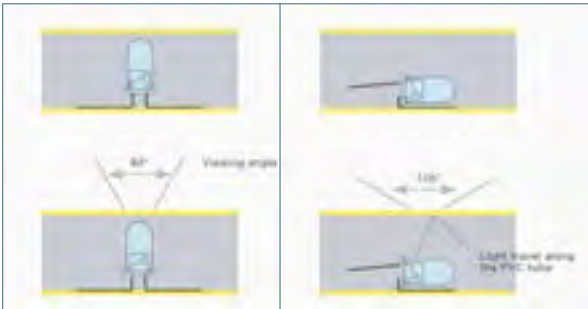PET channel
Art. nr. 485-165

Aluminium channel
Art. nr. 485-170
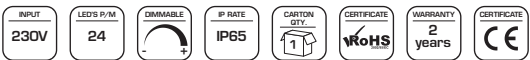
Vertical LED structure

Horizontal LED structure

LED ROPE LIGHT | 230V | 44M

"Entry level" LED Rope Light. Same material and quality as the Tronix standard LED Rope Light, but with 24 LED's per meter and a total length of 44 meters. Non-cuttable.

Input voltage: 230V	**LED structure:** Horizontal
Power: 2,1 Watt/meter	**LED quantity:** 24 p/m
Length: 44 meter	**Max. to connect:** 44 meter
Width: Ø 13 mm	**Power cable:** Included (Schuko
Dimmable: Yes	ungrounded plug)
IP rate: IP65	**Carton quantity:** 1
LED type: DIP LED	

INPUT 230V | LED'S P/M 24 | DIMMABLE | IP RATE IP65 | CARTON QTY. 1 | RoHS | WARRANTY 2 years | CE

> ! Also for the specific lighting needs for builders and constructers. In particular when reasonably-priced replacements are required.
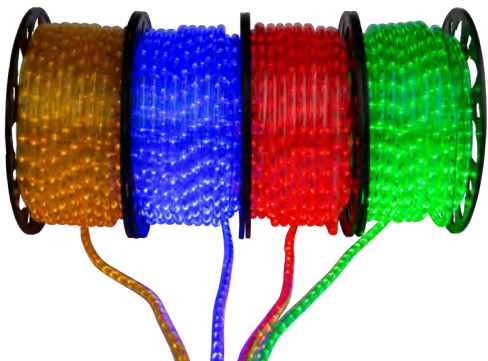
ART. NR.	LIGHT COLOR	LENGTH	LED STRUCTURE	POWER	LED QTY
055-508	○ Warm white (3000K)	44 meter	Horizontal	2,1 Watt/meter	24 LED p/m

LED ROPE LIGHT | 230V | 50M

With colored PVC. When the Rope Light is switched off, it still retains its color.

Input voltage: 230V	**LED structure:** Horizontal
Power: 2,4/3,2 Watt/meter	**LED quantity:** 36 LED p/m
Length: 50 meter	**Max. to connect:** 50 meter
Width: Ø 13 mm	**Power cable:** Included (Schuko
Dimmable: Yes	ungrounded plug)
IP rate: IP65	**Carton quantity:** 1
LED type: DIP LED	

INPUT 230V | LED'S P/M 36 | DIMMABLE | IP RATE IP44 | CARTON QTY. 1 | RoHS | WARRANTY 2 years | CE

ART. NR.	LIGHT COLOR	LENGTH	LED STRUCTURE	POWER	✂	LED QTY
055-102	● Blue	50 meter	Horizontal	3,2 Watt/meter	100 cm	36 LED p/m
055-103	● Green	50 meter	Horizontal	3,2 Watt/meter	100 cm	36 LED p/m
055-104	● Red	50 meter	Horizontal	2,4 Watt/meter	100 cm	36 LED p/m
055-105	● Yellow	50 meter	Horizontal	2,4 Watt/meter	100 cm	36 LED p/m

Horizontal structure
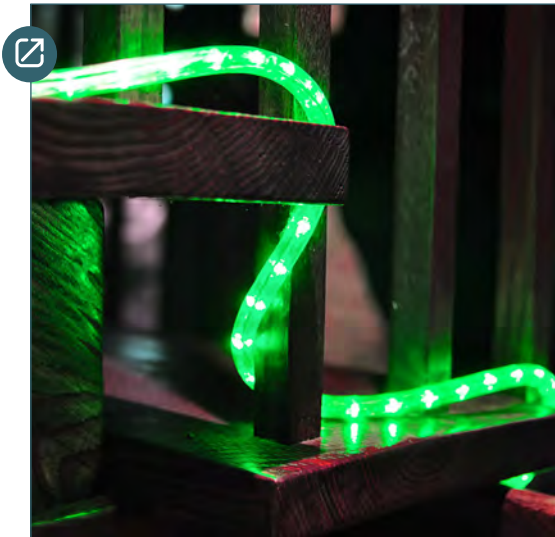
ROPE LIGHT 2.0: COLOR ALWAYS VIS

Rope Light with colored PVC in green, yellow, blue and red. Rope Lights are perfect when it comes to creating big light designs. Why choosing colored PVC instead of regular Rope Light? They always keep their color, also when switched off to make sure your light creation will be visible at all times.

Available in 4 different colors: green, yellow, blue and red

IP44, 230V with Schuko ungrounded power cable included

Retain their color when being switched off for always visible light creations

Rope light | 12/24V

LED ROPE LIGHT | 24V | 30M

24V Rope Light available in 6 colors - including power cable.

| INPUT 24V | 30M | LED'S P/M 36 | DIMMABLE - + | IP RATE IP44 | CARTON QTY. 1 | CERTIFICATE RoHS | WARRANTY 2 years | CERTIFICATE CE |

Input voltage: 24V
Power: 1,7/2,9 Watt/meter
Length: 30 meter
Width: Ø 13 mm
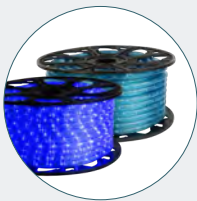**Dimmable:** Yes
IP rate: IP65
LED type: DIP LED

LED structure: Vertical / horizontal
LED quantity: 36 p/m
Max. to connect: 30 meter
Power cable: Included
(Stripped wire)
Carton quantity: 1

ART. NR.	LIGHT COLOR	POWER	✂	LED STRUCTURE	LED QTY
050-001	○ Cold white (6500K)	2,9 Watt/meter	17 cm	Vertical	36 LED p/m
050-008	○ Warm white (3000K)	2,9 Watt/meter	17 cm	Vertical	36 LED p/m
050-010	○ Warm white+ (2400K)	2,9 Watt/meter	17 cm	Vertical	36 LED p/m
050-002	● Blue	2,9 Watt/meter	17 cm	Vertical	36 LED p/m
050-003	● Green	2,9 Watt/meter	17 cm	Vertical	36 LED p/m
050-004	● Red	1,7 Watt/meter	28 cm	Vertical	36 LED p/m
050-005	● Amber	1,7 Watt/meter	28 cm	Vertical	36 LED p/m

ART. NR.	LIGHT COLOR	POWER	✂	LED STRUCTURE	LED QTY
050-101	○ Cold white (6500K)	2,9 Watt/meter	17 cm	Horizontal	36 LED p/m
050-108	○ Warm white (3000K)	2,9 Watt/meter	17 cm	Horizontal	36 LED p/m
050-110	○ Warm white+ (2400K)	2,9 Watt/meter	17 cm	Horizontal	36 LED p/m

ART. NR.	ACCESSORIES - 24V & 12V LED ROPE LIGHT
065-010	Connection set for 12/24V Rope Light with end cap & heat shrinkable tube - IP44	1,5M	stripped wire

Connection set 24V/12V
Art. nr. 065-010

LED ROPE LIGHT | 12V | 15M

12V rope light available in 2 colors - including power cable.

| INPUT 12V | 15M | LED'S P/M 36 | DIMMABLE - + | IP RATE IP44 | CARTON QTY. 5 | CERTIFICATE RoHS | WARRANTY 2 years | CERTIFICATE CE |

Input voltage: 12V
LED qty: 36 led p/m
LED type: DIP LED
LED structure: Vertical
Dimmable: Yes
IP rate: IP65
Length: 15 meter
Width: Ø 13 mm
Max. to connect: 15 meter
Power cable: Included (stripped wire)
Carton quantity: 5

ART. NR.	LIGHT COLOR	POWER	✂	LED STRUCTURE	LED QTY
045-001	○ Cold white (6500K)	2,9 Watt/meter	8,3 cm	Vertical	36 LED p/m
045-008	○ Warm white (3000K)	2,9 Watt/meter	8,3 cm	Vertical	36 LED p/m
045-010	○ Warm white+(2400K)	2,9 Watt/meter	8,3 cm	Vertical	36 LED p/m

ART. NR.	ACCESSORIES - 24V LED ROPE LIGHT
065-010	Connection set for 12/24V Rope Light with end cap & heat shrinkable tube - IP44	1,5M	stripped wire

Connection set 24V/12V
Art. nr. 065-010

GENERAL ACCESSORIES FOR 13MM ROPE LIGHT

Suitable for LED Rope Light Ø 13 mm.

ART. NR.	GENERAL ACCESSORIES
055-510	Rope Light unrolling tool

ART. NR.	CHANNELS FOR 13MM ROPE LIGHT - BUNCH QTY 50 PCS
485-160	PVC channel 2M
485-165	PET channel 2M - UV/chlorine/salt water-resistant
485-170	Aluminium channel 2M - UV resistant but sensitive to extension with heat

ART. NR.	MOUNTING CLIPS FOR 13MM ROPE LIGHT
485-070	Mounting clip 25 pcs in a bag
485-065	Crocodile clip 100 pcs in a bag

ART. NR.	CONNECTORS FOR 13MM ROPE LIGHT	CARTON QTY.
485-050	Splice connectors & glue - 2 pcs	50 x 2
485-085	Invisible splice connector - 1 pc	100
485-090	Male pin connector - 1 pc	100
485-105	T- connector - 1 pc	50
485-110	X- connector - 1 pc	50
485-100	End cap - 1 pc	100
485-055	Glue tube - 1 pc	50
485-113	Heat shrinkable tube + glue - 10 pcs	100 x 10

Rope Light unrolling tool
Art nr.: 055-510

PVC CHANNEL
To guide the direction of Rope Light
Art. nr. 485-160

PET CHANNEL
UV-, chlorine-, salt- & water resistant channel to guide the direction of Rope Light
Art. nr. 485-165

ALUMINIUM CHANNEL
High quality channel for Rope Light direction with high light output because of more reflection
Art. nr. 485-170

MOUNTING CLIP
Can be srewed into any surface to fix and direct Rope Light in any direction
Art. nr. 485-070

COUPLING SET
To connect Rope Lights. Also used to reconnect when replacing a damaged piece of Rope Light.
Art. nr. 485-050

INVISIBLE SPLICE CONNECTOR
Invisible splice connector for less noticeable connections
Art. nr. 485-085

MALE PIN
Art. nr. 485-090

T-CONNECTOR
3 connectors with one run to make T-sections in your design
Art. nr. 485-105

X-CONNECTOR
Four runs meet in one intersection to make cross-sections
Art. nr. 485-110

END CAP
To seal the end of a (cutted) Rope Light
Art. nr. 485-100

PVC GLUE
To glue on the end cap
Art. nr. 485-055

HEAT SHRINKABLE TUBE (10 PCS)
To make Rope Lights (extra) waterproof
Art. nr. 485-113

CROCODILE CLIP
100 pieces
Art. nr. 485-065

Rope light | Instructions

HOW TO USE ROPE LIGHT

Rope Light 230V is delivered with a Europlug and the 24V/12V version comes with stripped wire suitable for DC power supply. Tronix Rope Lights comes with a fixed end cap.

> **!** **Before you start:**
> - Make sure that the main voltage is not connected during installation
> - Make sure that the main voltage of the Rope Light is the same as the main voltage of the power supply.
> - LED Rope Light 230V comes with a power cable with standard converter. For 24/12V Rope Light, make sure to use stabilized DC power supply to avoid that the LED's will start to flicker.
>
> **Check the Rope Light instruction manual for more detailed instructions** included with the product and available at www.tronixlighting.com

Unrolling

To protect and avoid damage to the wire it is very important to unroll the Rope Light from the reel in the right way. Please make sure to position the reel in such a way that the Rope Light can be rolled off in a straight line instead of having to make circles. This prevents loops or swaying which could damage the internal wiring.

Rope light unrolling tool
Art nr.: 055-510
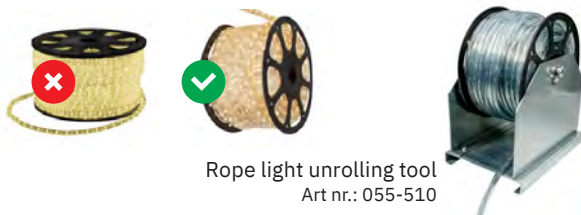
> **!** Rolling off Rope Light in the wrong way may cause unrepairable damage to the product!

Preheat before use

Sometimes it is necessary to preheat the Rope Light for easy installation and best results.
- In case of a low product or outside temperature we advise to preheat the Rope Light to ease installation and safeguard product quality.
- In case you want to make several bends/curves for your lighting project it is very important to preheat the rope for best results.

> **!**
> - Disconnect the main supply before starting the assembly and unroll (part of) the Rope Light before starting to work with the material. You can do this by connecting the required length to the main supply, allowing the Rope Light to burn for a couple of minutes until it is flexible.
> - Never connect the main voltage while the light tube is still on the reel; the heat development can cause fire!

> **For all Tronix Rope Light connectors & accessories – check page 63**
> We offer large choice in Rope Light connectors and other accessories to splice, cut and connect Rope Light in any desired way to make sure that you have everything you need for your lighting project and achieve the best results.

Cutting Rope Light

- First make sure that the main voltage is not connected!
- Measure the desired length and cut at the nearest cutting mark - **picture 1.**
- Use a pair of sharp cutting pliers and make sure the edge is smooth and at the right angles - **picture 2.**
- After cutting, remove any excess copper wire. There is no difference in how to cut led Rope Light. The distance between the cut marks vary, depending on the Rope Light. To achieve maximum chasing effects, 3, 4 and 5 wire Rope Light need to be connected to a controller.

1. Cut Rope Light only at marks   2. Cut Rope Light neatly

> **!** Only cut the Rope Light at the identification mark, otherwise part of the rope will be permanently useless.

Connecting Rope Light

- Remember that the two pieces of Rope Light you want to connect, must be the same in voltage and wire count (2-wire, 3-wire etc.)
- When connecting LED Rope Light 230V/24V/12V to a transformer, always use a power cable with a converter, otherwise the LED's will start to flicker. For low voltage it is best to use a stabilized DC power supply; in this case you don't need a converter.
- Bring the holes at the Rope Light end in the same position with the prongs ("teeth") of the connector – **picture 3** – then firmly press the pieces together.
- Tronix offers many different connectors – **picture 4** – each one unique for connecting rope in any requested shape or design.
- All Rope Light accessories must correspond with the shape and diameter of the Rope Light you want to use.
- **TIP**: if a section of the Rope Light malfunctions (in time), simply remove the unlit section and place the working sections back together with a connector

3. Connecting Rope Light   4. Insert connector and press

T-connector   X-connector   Male pin connector

Invisible splice connector   Heat shrinkable tubes

Bending Rope Light

- Make sure to preheat the Rope Light a little bit to make easier curves
- It is very important to bend Rope Light perpendicular - straight up or down - at the wires. Make absolutely sure to bend Rope Light in the right direction –pictures 5 & 6 – to make sure that the two internal wires make the same curve.

> **!** Avoid at all times that the inner side wire needs to make a very sharp curve. Bending Rope Light incorrectly can cause damage to the internal wiring. Please check picture 5 and 6
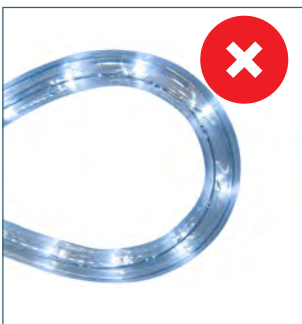
5. Bending wrong way

6. Bending right way

Applying and fixing Rope Light

There are many ways to apply Rope Light: you can use it to wrap objects like pillars or trees, or for a glamorous outline of your bar or fence. Fixing Rope Light requires minimal experience, you just need the right accessories (see page 63). Whichever accessory you use, make sure there is proper mounting in each foot of the Rope Light, with additional mounting at every corner and curve. Depending on the application and specific circumstances different fixing materials are available. Use tie-wraps along a steel wire or preshaped frame; for outdoor usage take the UV-durable quality. Consider the following accessories when deciding how to mount Rope Light. These will help you learn how to secure Rope Light in no time at all.

Power

After the Rope Light has been designed, be sure to place a power connector at one end – picture 7 – so the Rope Light can be plugged into an outlet. Where the run of rope light completes, simply place an end cap – picture 8.
Always seal the end of the (cutted) rope with an end cap. The end cap must be glued on with pvc or silicon glue

7. rope light power connector

8. rope light end cap

> **!**
> - Make sure there is enough ventilation so that any possible heat can flow off
> - Do not assemble on surfaces that can vibrate or rattle violently due to severe wind
> - Rope Light spanned over roads or large surfaces must be allowed some movement with the wind
> - When applying Rope Light on a flat surface, make sure the part of the rope producing the most light is facing front!
> - Recommended fixation distance for clips & zip ties (tie wraps): horizontal 20 cm and vertical 30 cm.
> - Make sure the Rope Light does not make any twists in the process
> - Aluminium channels may be subject to expansion, meaning that 2m channels can differ in length with several millimeters. Make sure to keep about 4mm of space between two channels.

ROPE LIGHT CHANNEL
To guide the direction of the Rope Light. Mostly used for straight paths. Gives a professional look.

MOUNTING CLIP
To direct the Rope Light even better in curvy areas or corners.

ZIP TIES
To secure Rope Lighting onto metal railings or any surface suitable for zip tie. Pull tightly and cut excess sticking out from the

Power Cord
LED rope lights will include an inline rectifier integrated into the power cord.

Power Connector
Attaches the power cord to the rope light.

Rope Light
Inner wires run length of rope light; connecting bulbs. Rope light can be cut in certain intervals, look for cut marks on outer tubing

End Cap
Protect exposed end from debris.

Attach rounded pins of power connector into corresponding receptacle holes in power cord.

Pierce sharp prongs of power connector into rope light, making secure contact with the inner wires.

Push end cap over exposed end of rope light.

MIX & MATCH FESTOON LIGHTING

Connect different Festoon Light lengths to create your perfect design, or use them as single festoon string. Festoon Lights comes with 10, 20, 50 or 100 sockets and female/male connectors with one end cap.

Power cable excluded. Maximum power 2000 watt. Maximum length 200 meters.

Input voltage: 230V
Socket space: 50/100 cm
Cable: 2 x 1,5 mm²
Length from plug to first bulb: 50/100 cm
IP rate: IP65 (cable and socket), IP44 (female/male connector with end cap)
Material: Rubber
Power cable: Excluded
Color: Black

INPUT	SOCKET SPACE	SOCKET SPACE	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	50 cm	100 cm	IP65	RoHS	3 years	CE

ART. NR.	LENGTH	SOCKET QTY	CABLE COLOR	SOCKET SPACE	LAMPS INCLUDED	CARTON QUANTITY
585-101	10 meter	10	● Black	100 cm	No	8
585-102	50 meter	50	● Black	100 cm	No	1
585-105	10 meter	20	● Black	50 cm	No	4
585-106	50 meter	100	● Black	50 cm	No	1

ART. NR.	FESTOON CABLE ACCESSORIES
585-110	Festoon Light power cable max. 2000W
585-109	Festoon Light	spare rubber set incl mounting rings	10pcs
585-111	Festoon Light	extension cable 5m

POWER CABLE
Art. nr. 585-110

RUBBER SET
Art. nr. 585-109

EXTENSION CABLE
Art. nr. 585-111

MIX & MATCH FESTOON LIGHTING | PRECOMPOSED

Pre-composed sets Festoon Lights with E27 sockets.
Power cable included.

Input voltage: 230V
Socket space: 50/100 cm
Cable: 2 x 1,5 mm²
Length from plug to first bulb: 50 cm/100 cm
IP rate: IP65 (cable and socket), IP44 (female/male connector with end cap)
Material: Rubber
Power cable: Included
Color: Black
Carton quantity: 1

INPUT	SOCKET SPACE	SOCKET SPACE	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	50 cm	100 cm	IP65	RoHS	3 years	CE

SET

ART. NR.	LENGTH	SOCKET QTY	CABLE COLOR	SOCKET SPACE	LAMPS INCLUDED	CONTAINS
585-120	10 meter	10	● Black	100 cm	No	1x 585-101 + 1x 585-110
585-121	20 meter	20	● Black	100 cm	No	2x 585-101 + 1x 585-110
585-122	30 meter	30	● Black	100 cm	No	3x 585-101 + 1x 585-110
585-123	50 meter	50	● Black	100 cm	No	1x 585-102 + 1x 585-110
585-124	100 meter	100	● Black	100 cm	No	2x 585-102 + 1x 585-110
585-125	10 meter	20	● Black	50 cm	No	1x 585-105 + 1x 585-110
585-126	20 meter	40	● Black	50 cm	No	2x 585-105 + 1x 585-110
585-127	30 meter	60	● Black	50 cm	No	3x 585-105 + 1x 585-110
585-128	50 meter	100	● Black	50 cm	No	1x 585-106 + 1x 585-110
585-129	100 meter	200	● Black	50 cm	No	2x 585-106 + 1x 585-110

Festoon Lighting | Lamps

LED P45 | 1 WATT | PC CAP

INPUT	POWER	COLOR TEMP.	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	1W	2700K	IP20	100	RoHS	2 years	CE

Input voltage: 230V
Power: 1 Watt
IP rate: IP20 (IP44 when applied)
Color temperature: 2700K
Diameter: 45 mm
Length: 69 mm
Dimmable: No
Material: Polycarbonate (plastic)
Connection type: E27
Carton quantity: 100 pcs

ART. NR.	LIGHT COLOR	COLOR TEMP. (CCT)	POWER	IP RATE	LUMEN	BEAM	LED QUANTITY
165-000	○ Warm white	2700K	1 Watt	IP44	51 Lm	190°	6

LED P45 | 1 WATT | PC CAP

INPUT	IP RATE	CARTON QTY.	CERTIFICATE	WARRANTY	CERTIFICATE
230V	IP20	100	RoHS	2 years	CE

Input voltage: 240V
Power: 1 Watt
IP rate: IP20 (IP44 when applied)
Diameter: 45 mm
Length: 70 mm
Dimmable: No
Material: Polycarbonate (plastic)
Connection type: E27
Carton quantity: 100 pcs

ART. NR.	LIGHT COLOR	COLOR TEMPERATURE	POWER	IP RATE	LUMEN	BEAM ANGLE	LED QUANTITY
165-031	○ Cold white	6000K	1 Watt	IP44	62 Lm	190°	6
165-038	○ Warm white	2700K	1 Watt	IP44	50 Lm	190°	6
165-032	● Blue	n.a.	1 Watt	IP44	n.a.	190°	6
165-033	● Green	n.a.	1 Watt	IP44	n.a.	190°	6
165-034	● Red	n.a.	1 Watt	IP44	n.a.	190°	6
165-035	● Yellow	n.a.	1 Watt	IP44	n.a.	190°	6
165-036	● Orange	n.a.	1 Watt	IP44	n.a.	190°	6

Festoon Lighting | String Light 230V

STRING LIGHT | 230V | 10M | INDOOR & OUTDOOR

Available in warm white+, warm white or multicolor (red, yellow, blue, green, white).
Connectable up to 10 pcs, including Schuko power cable 010-013.

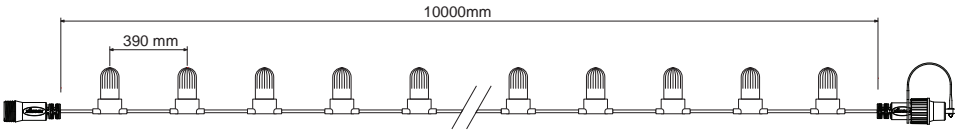| INPUT	LED QTY	CARTON QTY.	IP RATE	CERTIFICATE	WARRANTY	CERTIFICATE
230V	25	10	IP65	RoHS	2 years	CE

proSYSTEM MODULAR **LED** 230V

Input voltage: 230V
Power: 4,6 Watt
Length: 10 meter
Wire color: Black
IP rate: IP65
LED quantity: 25
LED distance: 39 cm
Connectable: Yes
Dimmable: Yes, triac
Power cable: 150 cm Schuko power cable included
Carton quantity: 10

10000mm

390 mm

ART. NR.	LENGTH	CABLE COLOR		LED QTY	SOCKET SPACE	LAMPS INCLUDED	CARTON QUANTITY
024-078	10 meter	● Black	○ Warm white | 3000K	25	39 cm	Yes	10
024-079	10 meter	● Black	◐○ Warm white+ | 2400K	25	39 cm	Yes	10
024-070	10 meter	● Black	○ Multicolor + white	25	39 cm	Yes	10