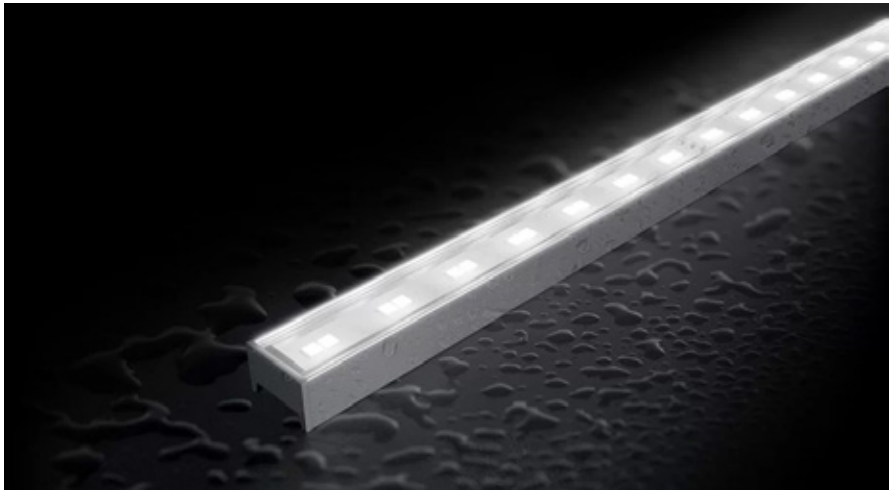




Area: Outdoor Luminaires



Category: Linear lighting / decorative lighting / Cove



Mounting: Surface horizontal mounting / Surface vertical mounting / Wall mounting

Ula S IP67 is a modular linear LED light with a opal cover designed for long-term outdoor professional lighting applications.

These waterproof Ula S IP67 modular LED lights are fitted with the highest quality NICHIA LEDs, with a wide range of Color rendering index (CRI) and Color temperature (CCT) options to choose from. NICHIA LEDs guarantees highest quality lighting and super-high efficacy. This LED strip is available with 3 Step MacAdam or Single Bin LEDs. Opal cover ensures continuous light effect without dark spots.

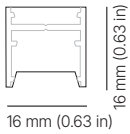
Each module has integrated connectors for easy and reliable connection to other modules. Connectors are hidden inside the modules and segments connect into a seamless line.

TECHNICAL DATA

Voltage	24 V
LED lumen maintenance	L90B10 > 60.000 h
Connection	Input: plug; Output: socket
Cover	Opal PUR (available on request)
Housing color	● Black, ○ White, ● Grey, ● Custom
Control	Dimmable

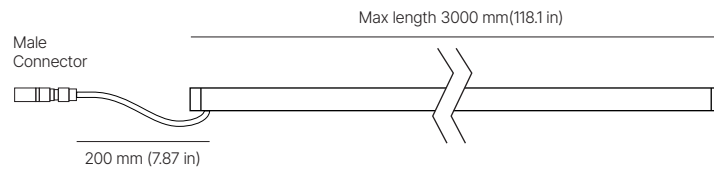


DIMENSIONS



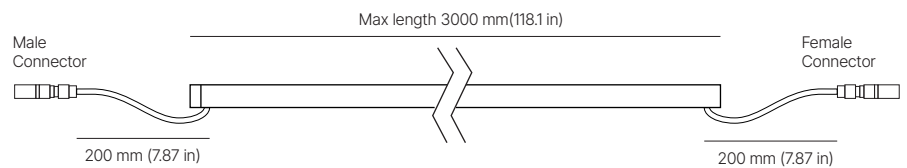
LUMINAIRE

One cable, two endcaps



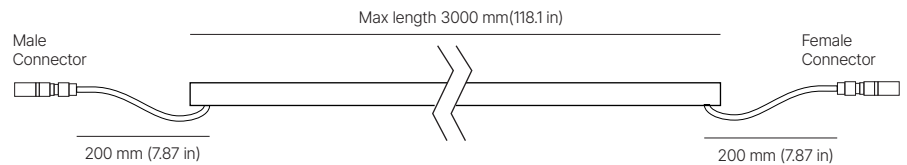
START

Two cables, endcap at the start



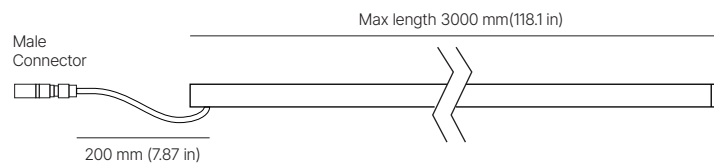
MIDDLE

Two cables, no endcaps



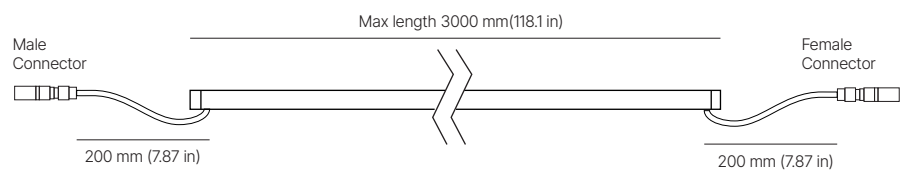
END

One cable, endcap at the end



FULL MODULE

Two cables, two endcaps



Final length of the luminaire calculated:

$$L = C \times N + 10\text{mm (0.39 in);}$$

L = Luminaire length

C = Cutting Step

White 24V: 125 mm (4.9 in)

White 48V: 250mm (9.8 in)

TW: 125m (4.9 in)

RGB: 125mm (4.9 in)

N = Quantity Of Segments. $2 < N < 72$

E = Exit cable

Individual - 6mm (0.23 in)

Start - 4mm (0.16 in)

Middle - 2mm (0.08 in)

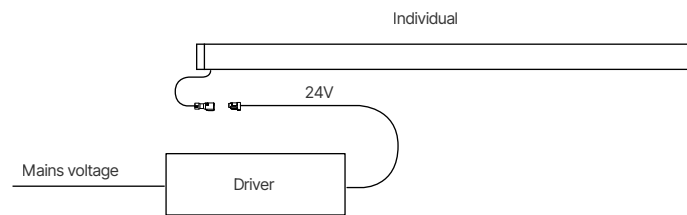
End - 4mm (0.16 in)

Full set - 6mm (0.23 in);

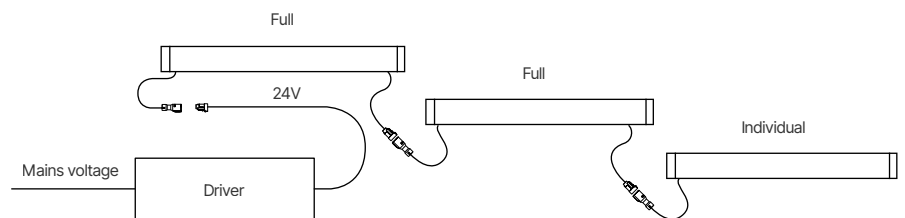
Note: Length tolerance $\pm 3\text{mm/m (0.11 in)}$

CONNECTION TYPES

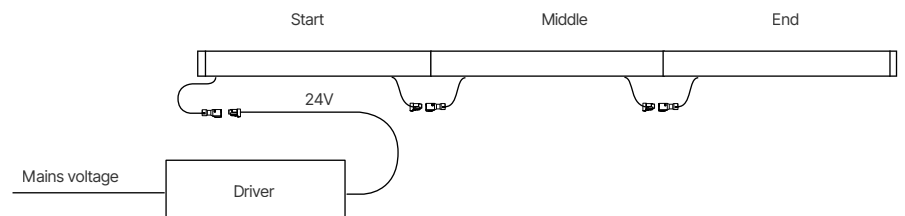
INDIVIDUAL module



FULL module



CONTINUOUS LINE module (for OUTDOOR OPAL ONLY)

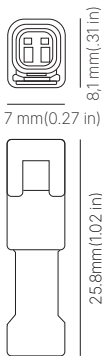


CONNECTORS & WIRES

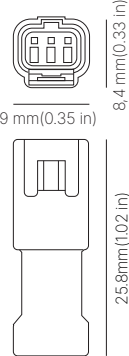
OUTDOOR

J1X MALE CONNECTORS

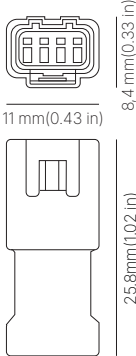
For white



For tunable white



For RGB

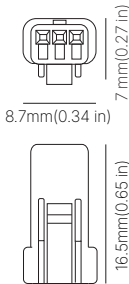


J1X FEMALE CONNECTORS

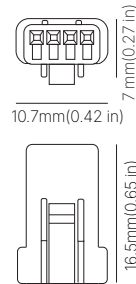
For white



For tunable white

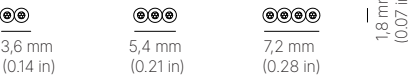


For RGB



WIRES

WIRES



WIRE LENGTHS AVAILABLE

CODE	L30	L100	L1000	L2000	L10000
LENGHT	30mm 0ft 1in	100mm 3.9 in	1000mm 3ft 3in	2000mm 6ft 6in	10000mm 32ft 10in

LUMENS

White

			POWER				
SPECTRUM	CRI		2.4W/m (0.73W/ft)	4.8W/m (1.5W/ft)	9.6W/m (2.9W/ft)	14.4W/m (4.38W/ft)	18.2W/m (5.84W/ft)
820/822/825/827/830/ 835/840/850/865	CRI 80+	lm/m (lm/ft)	163-253 (50-77)	334-503 (102-153)	674-988 (205-301)	994-1455 (303-443)	1348-1976 (410-602)
920/922/925/T927/T930/ T935/T940/T950/T965	CRI 90+tri	lm/m (lm/ft)	114-247 (35-75)	280-490 (85-149)	546-964 (166-294)	798-1423 (243-433)	1092-1930 (333-458)
027/030/035/040/050	CRI 95+	lm/m (lm/ft)	163-185 (50-56)	324-367 (99-112)	634-720 (193-219)	926-1054 (282-321)	1267-1440 (386-438)
EFFICACY (lm/W)			68	70	70	69	70

TUNABLE

			POWER	
SPECTRUM	CRI		9.6W/m (2.9W/ft)	
Any combination within this range 827 - 865	CRI 80+	lm/m (lm/ft)	197-810 (241-247)	
Any combination within this range 920 - T965	CRI 90+tri	lm/m (lm/ft)	654-682 (199-208)	
Any combination within this range 020 - 065	CRI 95+	lm/m (lm/ft)	618-646 (188-197)	
EFFICACY (lm/W)			99	

RGB

			POWER		
COLOR			7.2W/m (2.2W/ft)	11.52W/m (3.5W/ft)	14.4W/m (4.38W/ft)
Total		lm/m (lm/ft)	201(61)	306(93)	382(116)
EFFICACY (lm/W)			28	27	27

TECHNICAL SPECIFICATIONS

SERTIFICATIONS



UL approved



Made in Europe



L90B10
60.000 hours



CE compliant



5- year warranty



NICHIA LEDs



KEY BENEFITS



IP67



UV, salt & solvent resistant



Wide 2000K-6500K white color range



Thermal resistance:
-25° – +50°



Stabilized current design



24V DC voltage input



3-step MacAdam LEDs



Control sold separately; DALI, Casambi, 1- 10V, Phase Cut



Available in any 0.5-3m length



CRI 80 + CRI 90+tri CRI 95+



Beam angle: 120°



Continuous line light effect without dark spots



Customization for your project



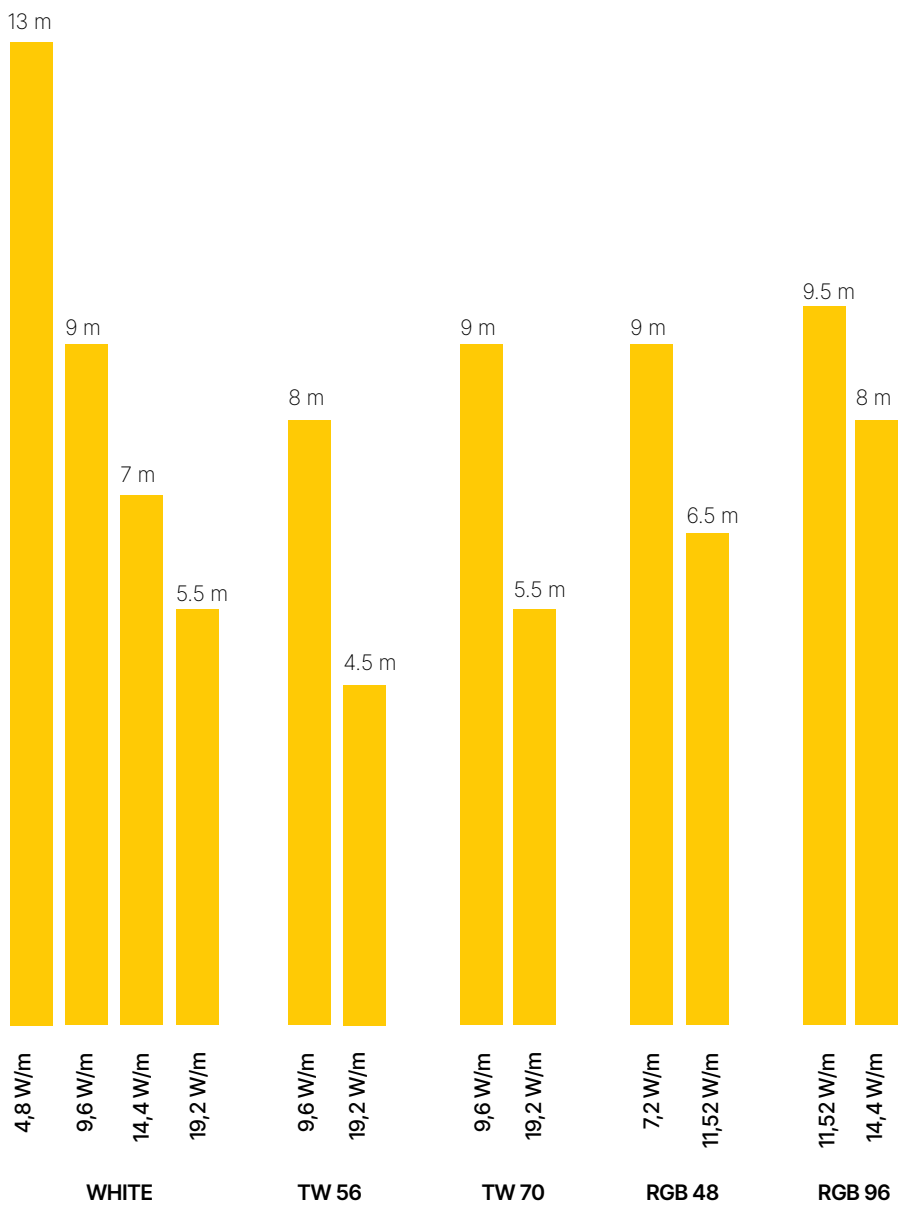
External driver



Reverse voltage protection

MAX RUN

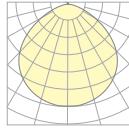
Possible max length connected to driver from single side.



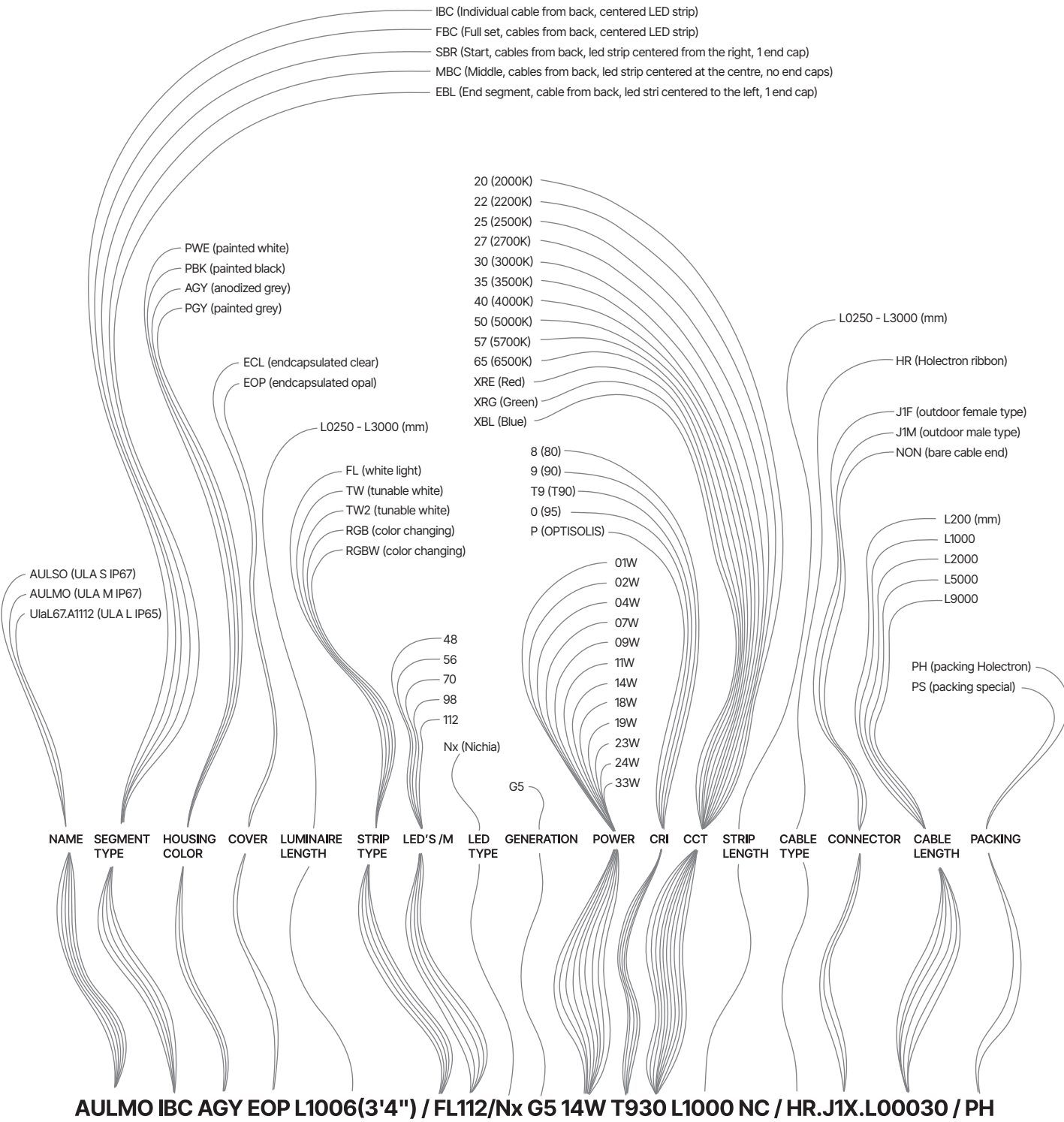
OPTICS OUTDOOR

ULA S Clear

LOR 66%



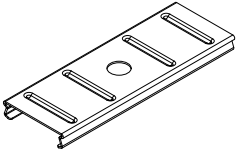
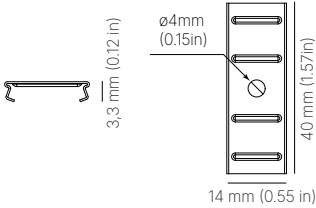
ORDER CODE



APPLICATIONS



SURFACE HOLDERS

CODE	DESCRIPTION
PRG.AULSI.F01.GZK	
 	Metal holder

POWER SUPPLY - INDOOR



Item No: DRI.V24.ILS.FO.SE.00001
Description: Power supply 100W 120 - 227 VAC 5 - year warranty
Color: Static White
Voltage: 24V DC
Control: FO
Certification: CE, UL listed

POWER SUPPLY - OUTDOOR

Item No: DRI.V24.OCO.FO.TR.00030
Description: Power supply 96W 24V 90 - 305 VAC 5 - year warranty
Color: Static White
Voltage: 24V DC
Control: FO
Certification: CE, UL listed

MAX PRODUCT LENGTH

WHITE 24V

0.5mm2 (AWG 20)	4.8W/m (1.5W/ft)	9.6W/m (2.9W/ft)	14.4W/m (4.4W/ft)	19.2W/m (5.9W/ft)
Max cable length between luminaire and driver	Product max run			
1 m	12.5 m	8 m	6 m	4.5 m
2 m	12 m	7.5 m	6 m	4 m
3 m	11.5 m	7.5 m	5.5 m	3.5 m
5 m	11 m	7 m	5 m	3 m
10 m	8.5 m	5 m	3 m	0 m

1.5mm2 (AWG 16)				
Max cable length between luminaire and driver	Product max run			
1 m	12.5 m	8.5 m	4.5 m	4.5 m
2 m	12.5 m	8.5 m	4.5 m	4.5 m
3 m	12.5 m	8 m	4.5 m	4.5 m
5 m	12 m	8 m	4.5 m	4 m
10 m	11.5 m	7.5 m	4 m	3.5 m

24V TW2 112

0.5mm2 (AWG 20)	9.6W/m (2.9W/ft)	19.2W/m (5.9W/ft)
1 m	8 m	5 m
2 m	7.5 m	4.5 m
3 m	7.5 m	4.5 m
5 m	7 m	4 m
10 m	5.5 m	2 m

1.5mm2 (AWG 16)		
1 m	8 m	5 m
2 m	8 m	5 m
3 m	8 m	5 m
5 m	8 m	5 m
10 m	7.5 m	4.5 m

24V TW 56 N5

0.5mm2 (AWG 20)	9.6W/m (2.9W/ft)	19.2W/m (5.9W/ft)	33.6W/m (10.2W/ft)
Max cable length between luminaire and driver	Product max run		
1 m	7.5 m	4.5 m	2.5 m
2 m	7 m	4 m	2.5 m
3 m	7 m	4 m	2.5 m
5 m	6.5 m	4 m	2.5 m
10 m	5.5 m	3.5 m	2 m

1.5mm2 (AWG 16)			
Max cable length between luminaire and driver	Product max run		
1 m	7.5 m	4.5 m	2.5 m
2 m	7.5 m	4 m	2.5 m
3 m	7.5 m	4 m	2.5 m
5 m	7.5 m	4 m	2.5 m
10 m	7 m	4 m	2.5 m

24V TW 70 N5

0.5mm2 (AWG 20)	9.6W/m (2.9W/ft)	19.2W/m (5.9W/ft)	33.6W/m (10.2W/ft)	45.6W/m (14.6W/ft)
1 m	7.5 m	4.5 m	2.5 m	1.5 m
2 m	7.5 m	4 m	2.5 m	1.5 m
3 m	7.5 m	4 m	2.5 m	1.5 m
5 m	7 m	4 m	2 m	1.5 m
10 m	6.5 m	3.5 m	1.5 m	1 m

1.5mm2 (AWG 16)				
1 m	7.5 m	4.5 m	2.5 m	1.5 m
2 m	7.5 m	4 m	2.5 m	1.5 m
3 m	7.5 m	4 m	2.5 m	1.5 m
5 m	7.5 m	4 m	2.5 m	1.5 m
10 m	7.5 m	4 m	2 m	1.5 m

MAX PRODUCT LENGTH

24V TW2 112

0.5mm2 (AWG 20)	9.6W/m (2.9W/ft)	19.2W/m (5.9W/ft)	33.6W/m (10.2W/ft)	48W/m (14.6W/ft)
1 m	8 m	8 m	3 m	2.5 m
2 m	7.5 m	7.5 m	3 m	2.5 m
3 m	7.5 m	7.5 m	3 m	2 m
5 m	7 m	7 m	2.5 m	2 m
10 m	5.5 m	5.5 m	2 m	1.5 m

1.5mm2 (AWG 16)

1 m	8 m	5 m	3 m	2.5 m
2 m	8 m	5 m	3 m	2.5 m
3 m	8 m	5 m	3 m	2.5 m
5 m	8 m	5 m	3 m	2.5 m
10 m	7.5 m	4.5 m	2.5 m	2 m

24V 48 RGB

0.5mm2 (AWG 20)	7.2W/m (2.2W/ft)	11.5W/m (1.5W/ft)
1 m	8.5 m	5.5 m
2 m	8 m	5.5 m
3 m	8 m	5 m
5 m	7.5 m	4.5 m
10 m	7 m	3.5 m

1.5mm2 (AWG 16)

1 m	8.5 m	5.5 m
2 m	8.5 m	5.5 m
3 m	8.5 m	5.5 m
5 m	8.5 m	5.5 m
10 m	8 m	5 m

24V 96 RGB

0.5mm2 (AWG 20)	11.5W/m (1.5W/ft)	14.4W/m (4.4W/ft)	23W/m (4.4W/ft)
1 m	9 m	7.5 m	4.5 m
2 m	8.5 m	7 m	4 m
3 m	8.5 m	7 m	3.5 m
5 m	8 m	6 m	2.5 m
10 m	5.5 m	3.5 m	0

1.5mm2 (AWG 16)

1 m	9 m	7.5 m	4.5 m
2 m	9 m	7.5 m	4.5 m
3 m	9 m	7.5 m	4.5 m
5 m	8.5 m	7 m	4 m
10 m	8 m	6.5 m	3.5 m