

**Area:** Outdoor / Indoor



**Category:** Flexible LED Lines



**Mounting:** Surface mounted

AQUA flexible waterproof LED strips are designed for long-term professional lighting applications and perfectly suit for outdoor LED linear decorative, cove lighting, curved applications, edge lighting and many more applications.

For these waterproof IP67 flexible LED strips we use the highest quality materials, NICHIA LEDs from Japan, current stabilization system inside. The housing does not attract dust or dirt, is easy to clean and is fully UV resistant, as well as salt and solvent proof.

Its small size and bend radius combined with a ruggedized design make this a reliable and versatile long-term choice for creative outdoor lighting.

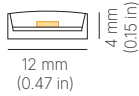
This LED strip is available with 3 Step MacAdam or Single Bin LEDs.

### TECHNICAL DATA

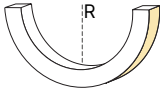
Voltage	24 / 48 V	
Light output ratio (LOR)	80%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Dimmable	YES	



**FRONT VIEW**



**BEND TYPE: TOP**

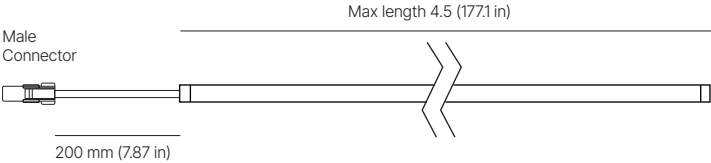


R=10 cm(3.93 in)

**DIMENSIONS**

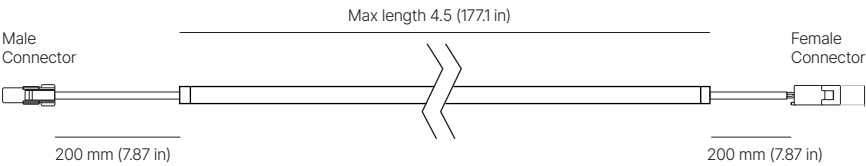
**LUMINAIRE**

One cable



**FULL MODULE**

Two cables



Final length of the luminaire calculated:

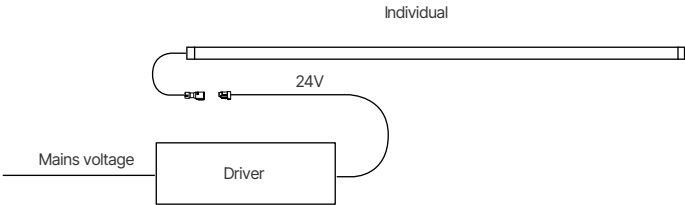
**L = C x N + 20mm (0.98 in);**

- L = Luminaire length
- C = Cutting Step
  - White 24V: 125mm (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;

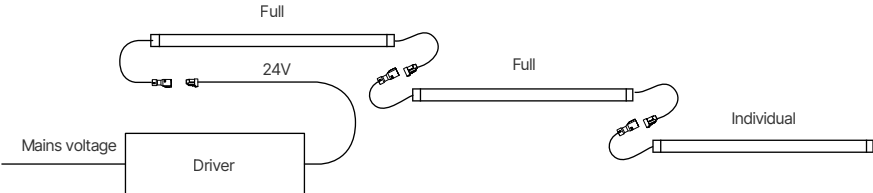
**Note:** Length tolerance +-3mm/m (0.11 in)

**CONNECTION TYPES**

**INDIVIDUAL module**



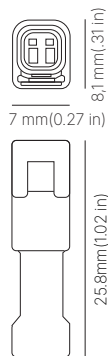
**FULL module**



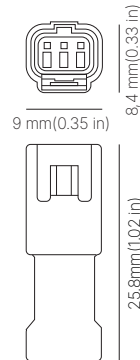
## OUTDOOR CONNECTORS

### J1X MALE CONNECTORS

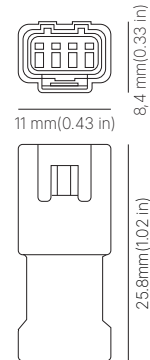
For white



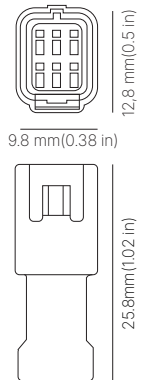
For tunable white



For RGB

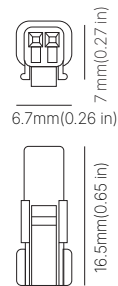


For RGBW

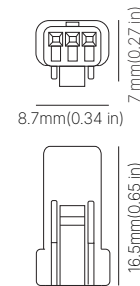


### J1X FEMALE CONNECTORS

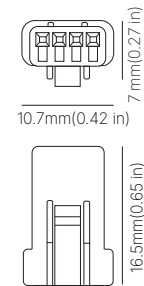
For white



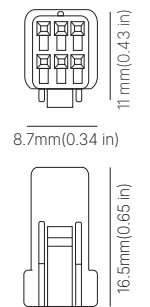
For tunable white



For RGB



For RGBW



### WIRES



1.8 mm  
(0.07 in)

### WIRE LENGTHS AVAILABLE

CODE	L200	L1000	L2000	L3000	L5000
LENGHT	150mm 5.9in	1000mm 3ft 3in	2000mm 6ft 6in	3000mm 9ft 10in	5000mm 16ft 5in

**LUMENS - AQUA**

**WHITE 24V**

			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)
820/822/825/827/830/835/840/850/865	CRI 80+	lm/m (lm/ft)	197-306 (60-93)	403-606 (123-185)	806-1213 (245-369)	1219-1803 (371-549)
920/922/925/T927/T930/T935/T940/T950/T965	CRI 90+tri	lm/m (lm/ft)	170-298 (52-91)	338-591 (103-180)	676-1182 (206-360)	1000-1760 (305-536)
027/030/035/040/050	CRI 95+	lm/m (lm/ft)	197-223 (60-68)	391-442 (119-135)	782-885 (238-269)	1160-1316 (353-401)
EFFICACY (lm/W)			104	105	105	105

**WHITE 48V**

			POWER	
SPECTRUM	CRI		4.8W/m (1.5W/ft)	9.6W/m (2.9W/ft)
820/822/825/827/830/835/840/850/865	CRI 80+	lm/m (lm/ft)	394-612 (120-186)	806-1213 (245-369)
920/922/925/T927/T930/T935/T940/T950/T965	CRI 90+tri	lm/m (lm/ft)	342-596 (104-181)	676-1182 (206-360)
027/030/035/040/050	CRI 95+	lm/m (lm/ft)	395-446 (120-136)	782-885 (238-269)
EFFICACY (lm/W)			105	105

**TUNABLE**

			POWER
SPECTRUM	CRI		9.6W/m (2.9W/ft)
Any combination within this combination 820-865	CRI 80+	lm/m (lm/ft)	812-1023(257-312)
Any combination within this range 920-T965	CRI 90+tri	lm/m (lm/ft)	658-1064 (200-324)
Any combination within this range 020-065	CRI 95+	lm/m (lm/ft)	658-1064 (200-324)
EFFICACY (lm/W)			111

**RGB**

			POWER		
		COLORS	7.2W/m (2.2W/ft)	11.52W/m (3.5W/ft)	14.4W/m (4.4W/ft)
	All colors	lm/m (lm/ft)	254(77)	285 (117)	483 (147)
EFFICACY (lm/W)			35	34	34



## TECHNICAL SPECIFICATIONS

### SERTIFICATIONS



UL approved



Made in Europe



L90B10  
60.000 hours



CE compliant



5- year warranty



NICHIA LEDs



### KEY BENEFITS



IP67



Stabilized current design



Wide 2200K-6500K white color range



Thermal resistance:  
-25° – +50°



Fixed output, DALI or 0-10V dimmable



48V DC & 24V DC voltage input



3-step MacAdam LEDs



Beam angle: 112° Opal



Max length 4.5m (177.1 in)



CRI 80+  
CRI 90+tri  
CRI 95+



External driver



Continuous line light effect without dark spots



Customization for your project



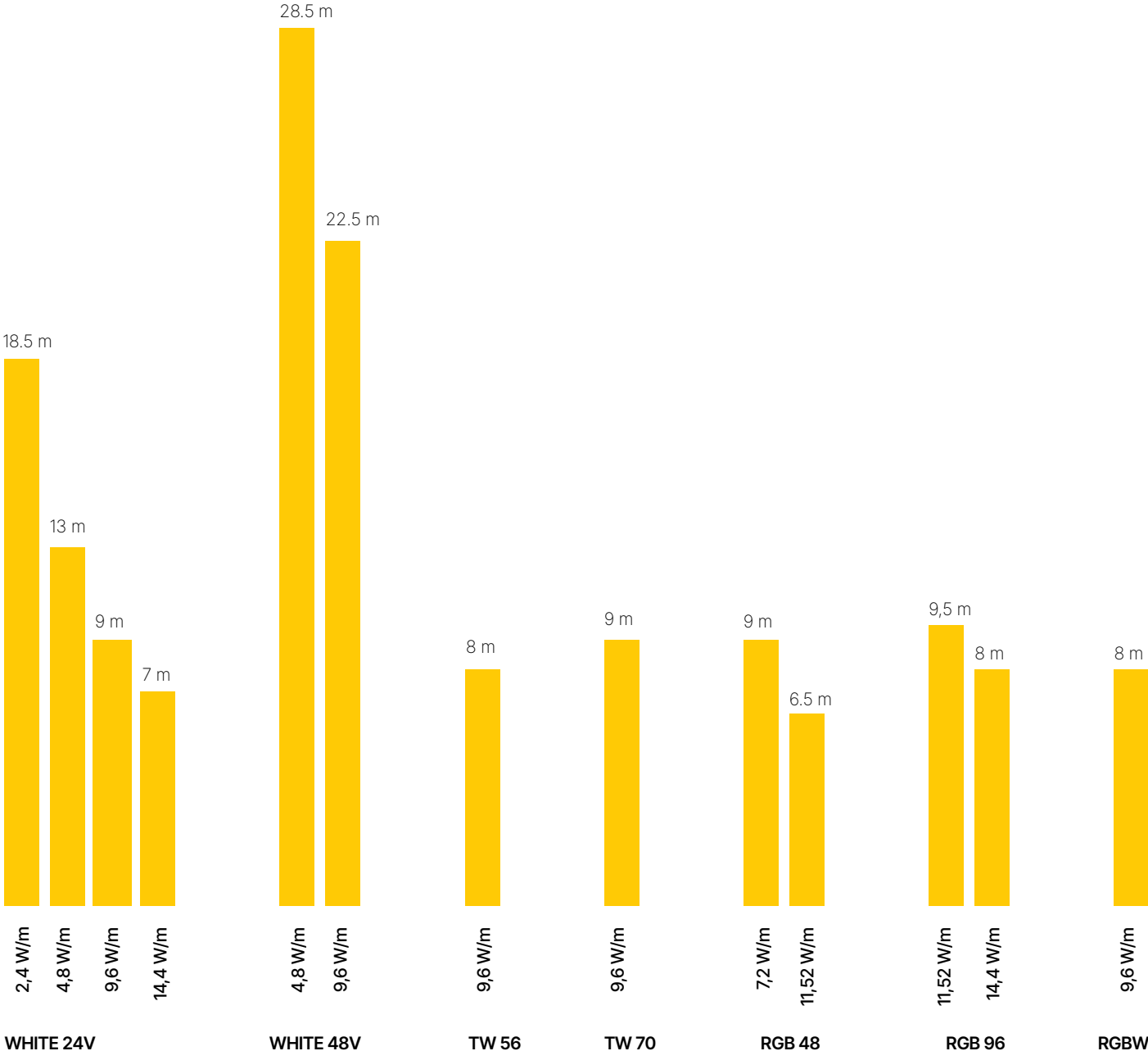
Reverse voltage protection



UV, salt & solvent resistant

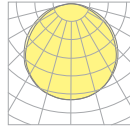
**MAX RUN**

Possible max length connected to driver from single side.

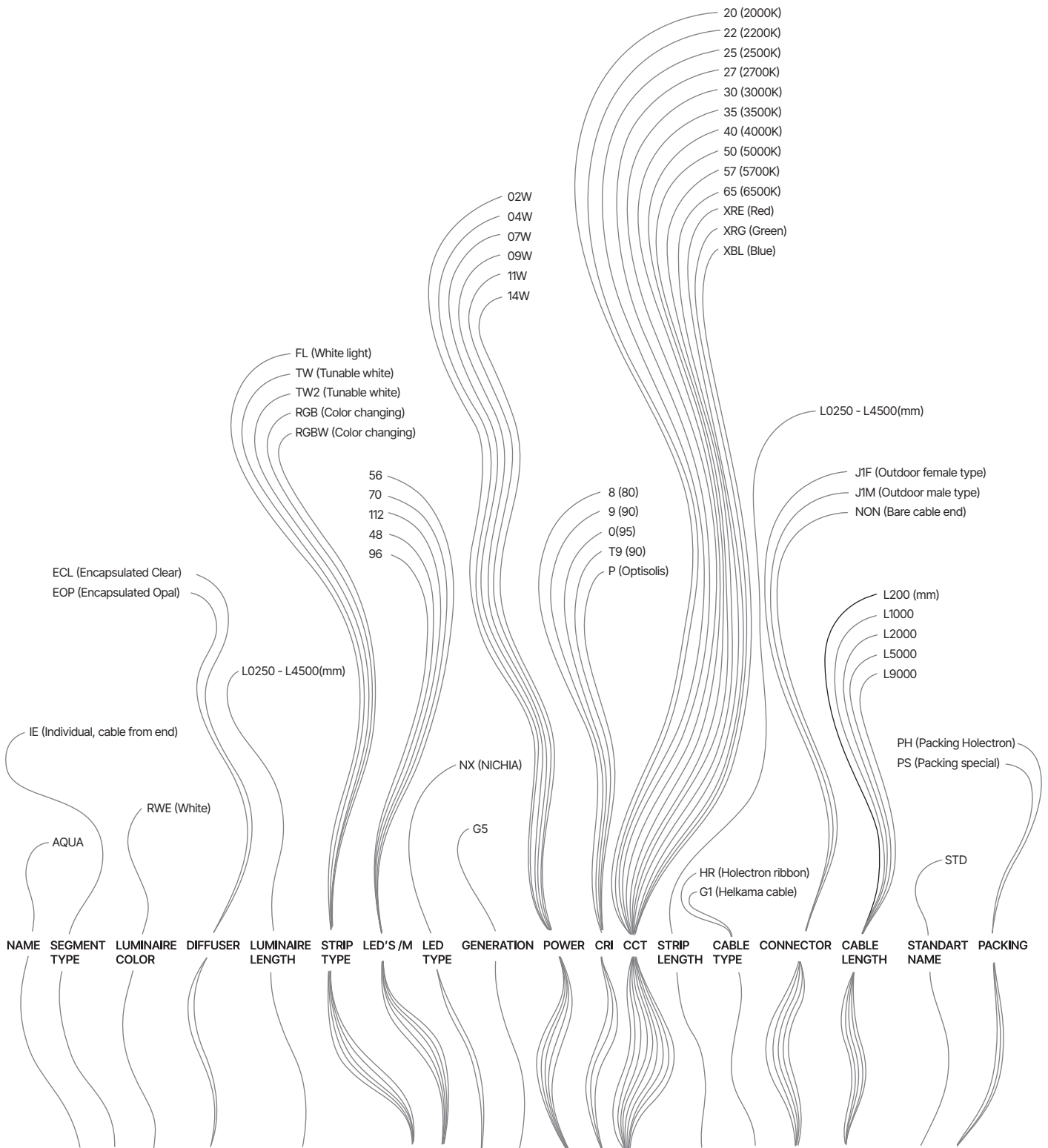


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## OPTICS



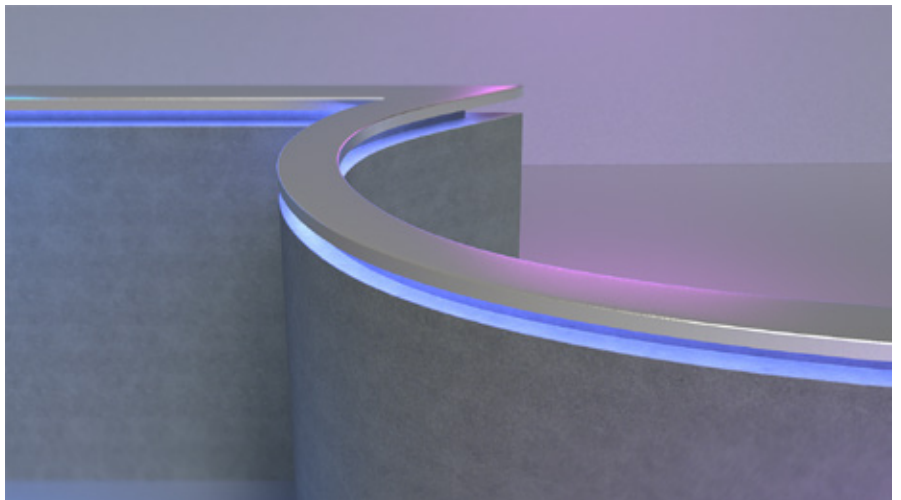
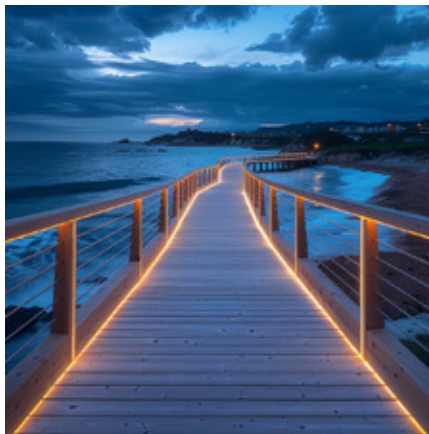
**ORDER CODE**



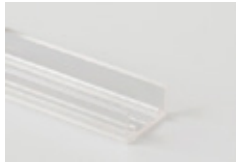
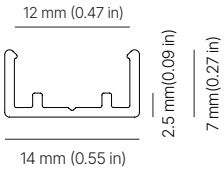
**Aqua IE RWE.ECL L01020(3'5"// FL56/NN G5 09W 920 L02600 HR J1x L0200 STD PH**

**ORDER CODE EXAMPLE**

## APPLICATIONS



**ACCESSORIES**



CODE	DESCRIPTION
OFL.Q01x.T.3.P00001	Aqua Mounting profile L1000
OFL.Q01x.T.3.P00001	Aqua Mounting profile L2000
OFL.Q01x.T.3.P00001	Aqua Mounting profile L3000
OFL.Q01x.T.3.P00001	Aqua Mounting profile L50
OFL.Q01x.T.1.P00005	Aqua Endcaps Clear 10pcs
GOT.00011	Silicone for sealing Endcaps 100ml

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## 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

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## 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

0.5mm <sup>2</sup> (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
<b>1.5mm<sup>2</sup> (AWG 16)</b>				
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

### WHITE 48V

0.5mm <sup>2</sup> (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)
1 m	28 m	19.5 m	15 m	13 m
2 m	27.5 m	19 m	14.5 m	12.5 m
3 m	27 m	18.5 m	14 m	12 m
5 m	26.5 m	18 m	13 m	11 m
10 m	25 m	16.5 m	11.5 m	9 m
<b>1.5mm<sup>2</sup> (AWG 16)</b>				
1 m	28.5 m	20 m	15.5 m	13.5 m
2 m	28 m	19.5 m	15 m	13 m
3 m	27.5 m	19.5 m	15 m	13 m
5 m	27.5 m	19 m	14.5 m	12.5 m
10 m	27 m	18.5 m	14 m	12 m

### 24V TW2 112

0.5mm <sup>2</sup> (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
<b>1.5mm<sup>2</sup> (AWG 16)</b>		
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

0.5mm <sup>2</sup> (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
<b>1.5mm<sup>2</sup> (AWG 16)</b>			
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



## MAX PRODUCT LENGTH

### 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

### 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