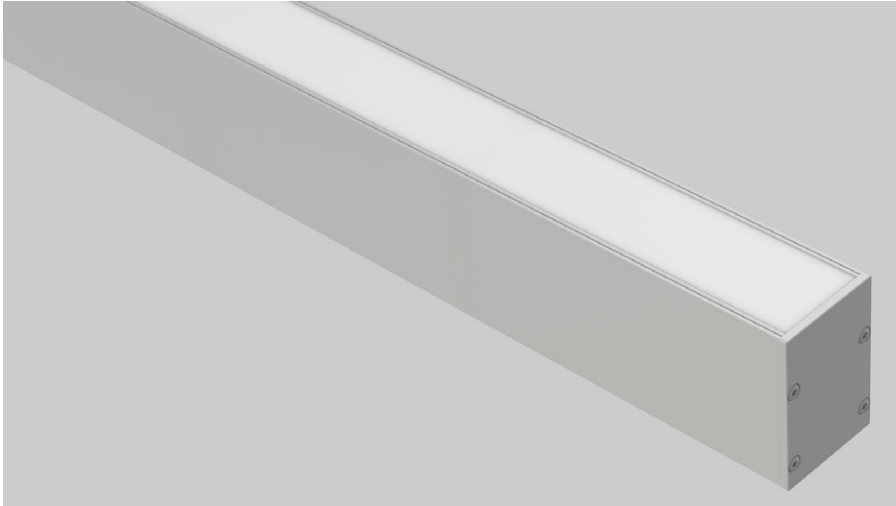
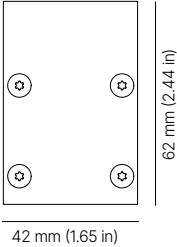




-  **Area:** Outdoor Luminaires
-  **Category:** Linear lighting / decorative lighting
-  **Mounting:** Surface horizontal mounting / Surface vertical mounting

The Gravix Outdoor Fixture is a specialized design intended for use in outdoor environments. The luminaire is surface mounted.

This powerful and versatile linear lighting solution is designed for outdoor use. It features white, tunable white (1800–6500K), RGB, and RGBW options with CRI 90+/95+, high efficacy, and precise 3-step MacAdam color consistency. The product features durable IP67 and IK10-rated housing with a sleek aluminum profile.



TECHNICAL DATA

Voltage	24 V / 48V
LED lumen maintenance	L90B10 > 60.000 h
Light engine	Any LED strip up to 19 W/m
Control	Dimmable
Impact protection	IK10
IP rating	IP67



PROJECT

DATE

QUANTITY

NOTES

ORDER CODE

NAME	SEGMENT TYPE	HOUSING COLOR	COVER	LUMINAIRE LENGTH	LED SOURCE	POWER	CRI 1	CCT 1
FXO.A060L							T9	
CRI 2	CCT 2 (only for TW strip)	STRIP LENGTH	CABLE TYPE	CONNECTOR	STANDART NAME	PACKING		
T9			HR		STD	PH		

SEGMENT TYPE	I individual luminaire, 2 end caps	S start segment, back wire exit, 1 end cap	M middle segment, back wire exit, no end caps	E end segment, back wire exit, 1 end cap					
HOUSING COLOR	AGY anodized gray	PWE white	PBK black	PGY gray	CUSTOM contact sales				
COVER	EOP.FULLY.HARD opal hard		EOP.FULLY.HARD.HE opal hard high efficacy						
LED SOURCE	FL112/NX static white 62.5 mm (2.46")		TW70/NN tunable white 100mm (3.93")		RGB96/NX RGB 62.5 mm (2.46")		RGBW48/NN RGBW 125 mm (4.92")		
POWER	4W 4,8 W/m 1.5 W/ft 737 Lm/m (225 Lm/ft) * LOR		9W 9,6 W/m 2.9 W/ft 1469 Lm/m (448 Lm/ft) * LOR		11W 11,52 W/m 3.5 W/ft 479 Lm/m (146 Lm/ft) * LOR		9W 4,8 W/m 1.5 W/ft 608 Lm/m (185 Lm/ft) * LOR		
CCT	9W 9,6 W/m 2.9 W/ft 1460 Lm/m (445 Lm/ft) * LOR		19W 19,2 W/m 5.8 W/ft 2900 Lm/m (884 Lm/ft) * LOR		14W 9,6 W/m 2.9 W/ft 600 Lm/m (183Lm/ft) * LOR		14W 9,6 W/m 2.9 W/ft 886 Lm/m (270 Lm/ft) * LOR		
	14W 14,4 W/m 4.4 W/ft 2170 Lm/m (662 lm/ft) * LOR						19W 14,4 W/m 4.4 W/ft 1392 Lm/m (424 Lm/ft) * LOR		
	19W 19,2 W/m 5.8 W/ft 2888 Lm/m (874 lm/ft) * LOR								
CONNECTOR	30 3000K		27-65 2700K - 6500K		XX none		30 3000K		
CONNECTOR	J1X connector J1X		T1X connector T1X						

Lumen values is from bare LED strip. When assembled in profile, lumen value must be multiplied by LOR percentage to retrieve actual lumen value of assembled solution

*The LOR was calculated using a white profile. The values may vary when using profiles of other colors.

CCT	1800K	2000K	2200K	2500K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
MULTIPLIER NICHIA	0.54	0.58	0.63	0.68	0.95	1.00	1.02	1.04	1.04	1.01	1.01

LED STRIP LENGTH

For 40 mm (1.57")
LED strip cutting increment

mm	L0280 280 11.0"	L0320 320 1' 0.6"	L0360 360 1' 2.2"	L0400 400 1' 3.7"	L0440 440 1' 5.3"	L0480 480 1' 6.9"	L0520 520 1' 8.5"	L0560 560 1' 10.0"	L0600 600 1' 11.6"	L0640 640 2' 1.2"	L0680 680 2' 2.8"	L0720 720 2' 4.3"	L0760 760 2' 5.9"	L0800 800 2' 7.5"	L0840 840 2' 9.1"	L0880 880 2' 10.6"	L0920 920 3' 0.2"	L0960 960 3' 1.8"	L1000 1000 3' 3.4"	L1040 1040 3' 4.9"	L1080 1080 3' 6.5"	L1120 1120 3' 8.1"	L1160 1160 3' 9.7"	L1200 1200 3' 11.2"
mm	L1240 1240 4' 0.8"	L1280 1280 4' 2.4"	L1320 1320 4' 3.9"	L1360 1360 4' 5.5"	L1400 1400 4' 7.1"	L1440 1440 4' 8.7"	L1480 1480 4' 10.3"	L1520 1520 4' 11.8"	L1560 1560 5' 1.4"	L1600 1600 5' 3"	L1640 1640 5' 4.6"	L1680 1680 5' 6.1"	L1720 1720 5' 7.7"	L1760 1760 5' 9.3"	L1800 1800 5' 10.9"	L1840 1840 6' 0.4"	L1880 1880 6' 2.0"	L1920 1920 6' 3.6"	L1960 1960 6' 5.2"	L2000 2000 6' 6.7"	L2010 2010 6' 7.1"	L2080 2080 6' 9.9"	L2120 2120 6' 11.5"	L2160 2160 7' 1"
mm	L2200 2200 7' 2.6"	L2240 2240 7' 4.2"	L2280 2280 7' 5.8"	L2320 2320 7' 7.3"	L2360 2360 7' 8.9"	L2400 2400 7' 10.5"	L2440 2440 8' 0.1"	L2480 2480 8' 1.6"	L2520 2520 8' 3.2"	L2560 2560 8' 4.8"	L2600 2600 8' 6.4"	L2640 2640 8' 7.9"	L2680 2680 8' 9.5"	L2720 2720 8' 11.1"	L2760 2760 9' 0.7"	L2800 2800 9' 2.2"	L2840 2840 9' 3.8"	L2880 2880 9' 5.4"	L2920 2920 9' 7"	L2960 2960 9' 8.5"	L3000 3000 9' 10.1"			

For 50 mm (1.96")LED strip
cutting increment

mm	L0250 250 9.8"	L0300 300 11.8"	L0350 350 1' 1.8"	L0400 400 1' 3.7"	L0450 450 1' 5.7"	L0500 500 1' 7.7"	L0550 550 1' 9.7"	L0600 600 1' 11.6"	L0650 650 2' 1.6"	L0700 700 2' 3.6"	L0750 750 2' 5.5"	L0800 800 2' 7.5"	L0850 850 2' 9.5"	L0900 900 2' 11.4"	L0950 950 3' 1.4"	L1000 1000 3' 3.4"	L1050 1050 3' 5.3"	L1100 1100 3' 7.3"	L1150 1150 3' 9.3"	L1200 1200 3' 11.2"	L1250 1250 4' 1.2"	L1300 1300 4' 3.2"	L1350 1350 4' 5.1"	L1400 1400 4' 7.1"
mm	L1450 1450 4' 9.1"	L1500 1500 4' 11.1"	L1550 1550 5' 1"	L1600 1600 5' 3"	L1650 1650 5' 5"	L1700 1700 5' 7"	L1750 1750 5' 8.9"	L1800 1800 5' 10.9"	L1850 1850 6' 0.8"	L1900 1900 6' 2.8"	L1950 1950 6' 4.8"	L2000 2000 6' 6.7"	L2050 2050 6' 8.7"	L2100 2100 6' 10.7"	L2150 2150 7' 0.6"	L2200 2200 7' 2.6"	L2250 2250 7' 4.6"	L2300 2300 7' 6.6"	L2350 2350 7' 8.5"	L2400 2400 7' 10.5"	L2450 2450 8' 0.5"	L2500 2500 8' 2.4"	L2550 2550 8' 4.4"	L2600 2600 8' 6.4"
mm	L2600 2600 8' 6.4"	L2650 2650 8' 8.3"	L2700 2700 8' 10.3"	L2750 2750 9' 0.3"	L2800 2800 9' 2.2"	L2850 2850 9' 4.2"	L2900 2900 9' 6.2"	L2950 2950 9' 8.1"	L3000 3000 9' 10.1"															

For 62.5mm (2.46")
LED strip cutting increment

mm	L0250 250 9.8"	L0313 313 1' 0.3"	L0375 375 1' 2.8"	L0438 438 1' 5.2"	L0500 500 1' 7.7"	L0563 563 1' 10.2"	L0625 625 2' 0.6"	L0688 688 2' 3.1"	L0750 750 2' 5.5"	L0813 813 2' 8"	L0875 875 2' 10.4"	L0938 938 3' 0.9"	L1000 1000 3' 3.4"	L1063 1063 3' 5.9"	L1125 1125 3' 8.3"	L1188 1188 3' 10.8"	L1250 1250 4' 1.2"	L1313 1313 4' 3.7"	L1375 1375 4' 6.1"	L1438 1438 4' 8.6"	L1500 1500 4' 11"	L1563 1563 5' 1.5"	L1625 1625 5' 4"	L1688 1688 5' 6.5"
mm	L1750 1750 5' 8.9"	L1813 1813 5' 11.4"	L1875 1875 6' 1.8"	L1938 1938 6' 4.3"	L2000 2000 6' 6.7"	L2063 2063 6' 9.2"	L2125 2125 6' 11.7"	L2188 2188 7' 2.1"	L2250 2250 7' 0.6"	L2313 2313 7' 7.1"	L2375 2375 7' 9.5"	L2438 2438 7' 12"	L2500 2500 8' 2.4"	L2563 2563 8' 4.9"	L2625 2625 8' 7.3"	L2688 2688 8' 9.8"	L2750 2750 9' 0.3"	L2813 2813 9' 2.7"	L2875 2875 9' 5.2"	L2938 2938 9' 7.7"	L3000 3000 9' 10.1"	L0300 300 11.8"	L0400 400 1' 3.7"	L0500 500 1' 7.7"

For 100 mm (3.93")
LED strip cutting increment

mm	L0600 600 1' 11.6"	L0700 700 2' 3.6"	L0800 800 2' 7.5"	L0900 900 2' 11.4"	L1000 1000 3' 3.4"	L1100 1100 3' 7.3"	L1200 1200 3' 11.2"	L1300 1300 4' 3.2"	L1400 1400 4' 7.1"	L1500 1500 4' 11"	L1600 1600 5' 3"	L1700 1700 5' 6.9"	L1800 1800 5' 10.9"	L1900 1900 6' 2.8"	L2000 2000 6' 6.7"	L2100 2100 6' 10.7"	L2200 2200 7' 2.6"	L2300 2300 8' 6.4"	L2400 2400 8' 10.5"	L2500 2500 8' 2.4"	L2600 2600 8' 6.4"	L2700 2700 8' 10.3"	L2800 2800 9' 2.2"	L2900 2900 9' 6.2"
mm	L3000 3000 9' 10.1"																							

For 125 mm (4.92")
LED strip cutting increment

mm	L0250 250 9.8"	L0375 375 1' 2.8"	L0500 500 1' 7.7"	L0625 625 2' 0.6"	L0750 750 2' 5.5"	L0875 875 2' 10.4"	L1000 1000 3' 3.4"	L1125 1125 3' 8.3"	L1250 1250 4' 1.2"	L1375 1375 4' 6.1"	L1500 1500 4' 11.1"	L1625 1625 5' 4"	L1750 1750 5' 8.9"	L1875 1875 6' 1.8"	L2000 2000 6' 6.7"	L2125 2125 6' 11.7"	L2250 2250 7' 4.6"	L2375 2375 7' 9.5"	L2500 2500 8' 2.4"	L2625 2625 8' 7.3"	L2750 2750 9' 0.3"	L2875 2875 9' 5.2"	L3000 3000 9' 10.1"	L0250 250 9.8"
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For 250 mm (9.84")
LED strip cutting increment

mm	L0500 500 1' 7.7"	L0750 750 2' 5.5"	L1000 1000 3' 3.4"	L1250 1250 4' 1.2"	L1500 1500 4' 11.1"	L1750 1750 5' 8.9"	L2000 2000 6' 6.7"	L2250 2250 7' 4.6"	L2500 2500 8' 2.4"	L2750 2750 9' 0.3"	L3000 3000 9' 10.1"	
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Module length = LED Strip Length + Offset

Offsets:

- Start module: 6 mm
- Middle module: 3 mm
- End module: 6 mm
- Invalid module: 9 mm

i.e. Start module length for L2000 LED strip is:

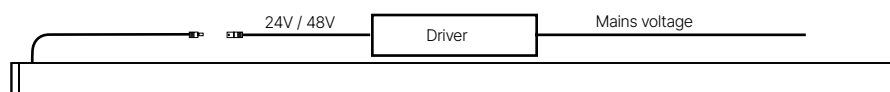
Start module length = 2000mm + 6mm

Note: Length tolerance ± 3mm/m (0.11 in)

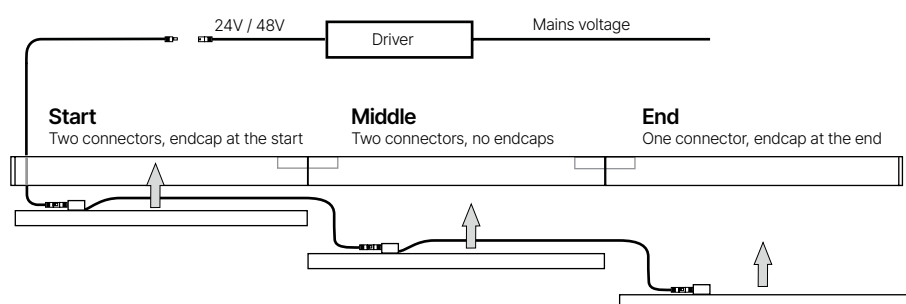
CONNECTION TYPES

INDIVIDUAL module

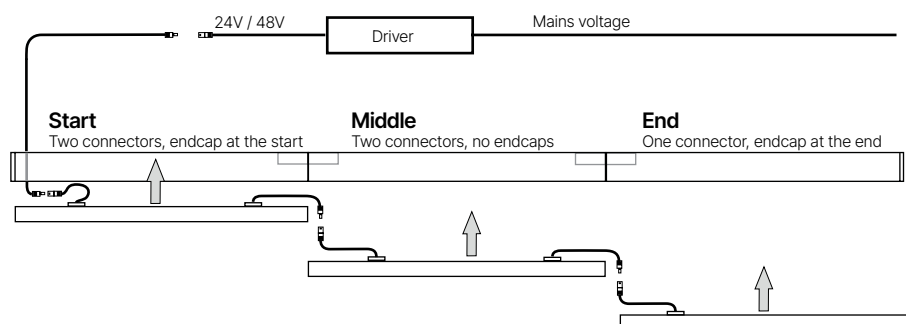
One cable, two endcaps



CONTINUOUS LINE module with T1X



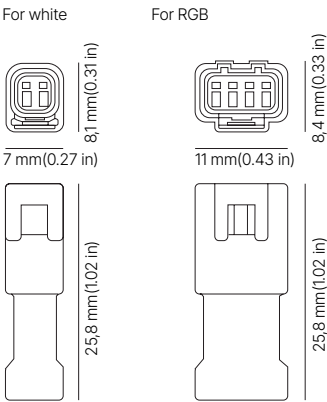
CONTINUOUS LINE module with J1X



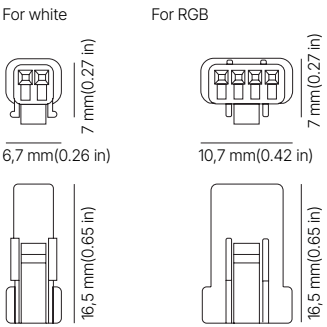
CONNECTORS & WIRES J1X

OUTDOOR

J1X - MALE CONNECTORS



J1X - FEMALE CONNECTORS



WIRES



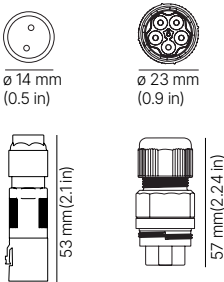
WIRE LENGTHS

CODE	L200	L500	L1000	L2000	L3000	L5000	L9000
LENGTH	200mm	500mm	1000mm	2000mm	3000mm	5000mm	9000mm
	7.9"	1' 7.7"	3' 3.4"	5' 6.7"	9' 10.1"	16' 4.9"	29' 6.3"

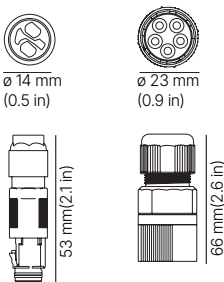
CONNECTORS & WIRES T1X

OUTDOOR

T1X - MALE CONNECTORS

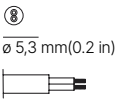


T1X - FEMALE CONNECTORS

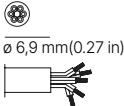


WIRES

NT20N



NT60N



TECHNICAL SPECIFICATIONS**CERTIFICATIONS**

UL approved

Made in
EuropeL90B10
60.000 hours

CE compliant

5- year
warranty

NICHIA LEDs

**KEY BENEFITS**3-step
MacAdam LEDsStabilized
current designWide 2000K-6500K
white color rangeCRI 90 +
CRI 90+tri
CRI 95
Optisolis, RGBControl sold separately;
DALI, Casambi,
1- 10V, Phase Cut24V / 48V
voltage inputCustomization for
your project

Ambient light

Continuous line light
effect without dark spotsReverse voltage
protection

External driver

Thermal resistance:
-25° – +50°UV, salt &
solvent resistant

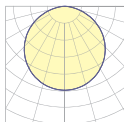
MAX RUN

Possible max length connected to driver from single side.
Applies only to J1X specification.
T1X specification provides greater MAX RUN.

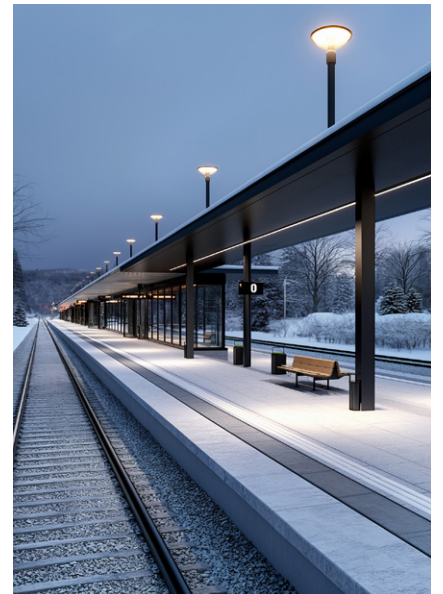


OPTICS OUTDOOR

EOP.FULLY.HARD



APPLICATIONS



POWER SUPPLY - INDOOR**CODE****DESCRIPTION****DRI.V24.ILS.FO.SE.00001****FIXED OUTPUT**

100W 120 VAC (for NA) 220 - 240 VAC (for EU)

5 - year warranty

Color: Static White

Voltage: 24V DC

Control: FO



POWER SUPPLY - OUTDOOR**CODE****DESCRIPTION****DRI.V24.OCO.FO.TR.00030****FIXED OUTPUT**

96W 24V 90 - 305 VAC

5 - year warranty

Color: Static White

Voltage: 24V DC

Control: FO

**DRI.V24.OCO.DA.MW.00003****DALI**

120W 24V 100 - 240 VAC

5 - year warranty

Color: Static White

Voltage: 24V DC

Control: DA

**DRI.V24.OCO.FO.MW.00038****0-10V**

96W 24V 100 - 240 VAC

MeanWell CV+CC driver

5 - year warranty

Color: Static White

Voltage: 24V DC

PWM, Resistance

Dimming: 0-10V

199×63×35.5mm



MAX PRODUCT LENGTH

WHITE 24V

0.5mm ² (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

WHITE 48V

0.5mm ² (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	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
1.5mm² (AWG 16)				
Max cable length between luminaire and driver	Product max run			
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 TW 56 N5

0.5mm ² (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

0.5mm ² (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)
Max cable length between luminaire and driver	Product max run			
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)				
Max cable length between luminaire and driver	Product max run			
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)
Max cable length between luminaire and driver	Product max run			
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)				
Max cable length between luminaire and driver	Product max run			
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)
Max cable length between luminaire and driver	Product max run	
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)		
Max cable length between luminaire and driver	Product max run	
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)
Max cable length between luminaire and driver	Product max run		
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)			
Max cable length between luminaire and driver	Product max run		
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

SAFETY / WARNINGS / DISCLOSURES

1. Install in accordance with national and local electrical code regulations.
2. Do not modify or disassemble this product beyond instructions or the warranty will be void.
3. Our channels, covers, end caps, and mounting brackets are also suitable for outdoor use with some considerations. Please consult with local Holecron representative to pick right fixtures for outdoor use.
4. Indoor (IP20) fixtures should never be mounted in areas receiving direct sunlight and locations where they can be submerged under water or might get in direct contact with water or puddling (rainfall, sprinkler, spray, etc.).
5. Avoid leaving gaps in any of the end cap or cover mating edges to the channel that will allow excess dust, debris, or water/moisture to enter the channel enclosure.
6. Actual product color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
7. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

SAFETY / WARNINGS / DISCLOSURES

Limited Warranty

This product has a five (5) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available online [download here](#). For warranty related questions please contact product support.

CONSUMER'S ACKNOWLEDGMENT

Holecron stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Holecron is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Holecron to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues.

Any statement from a Holecron employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products

purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets. There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Holecron strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Holecron products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Holecron product specifications can make the requisite decisions appropriate for a successful finished lighting application.

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