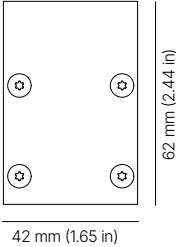




-  **Area:** Outdoor Luminaires
-  **Category:** Linear lighting / decorative lighting
-  **Mounting:** Surface horizontal mounting / Surface vertical mounting

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

For 50 mm (1.96")LED strip
cutting increment

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

For 62.5mm (2.46")
LED strip cutting increment

mm	L0250	L0313	L0375	L0438	L0500	L563	L0625	L0688	L0750	L0813	L0875	L0938	L1000	L1063	L1125	L1188	L1250	L1313	L1375	L1438	L1500	L1563	L1625	L1688
in	250 9.8"	313 1' 0.3"	375 1' 2.8"	438 1' 5.2"	500 1' 7.7"	563 1' 10.2"	625 2' 0.6"	688 2' 3.1"	750 2' 5.5"	813 2' 8"	875 2' 10.4"	938 3' 0.9"	1000 3' 3.4"	1063 3' 5.9"	1125 3' 8.3"	1188 3' 10.8"	1250 4' 1.2"	1313 4' 3.7"	1375 4' 6.1"	1438 4' 8.6"	1500 4' 11"	1563 5' 1.5"	1625 5' 4"	1688 5' 6.5"
mm	L1750	L1813	L1875	L1938	L2000	L2063	L2125	L2188	L2250	L2313	L2375	L2438	L2500	L2563	L2625	L2688	L2750	L2813	L2875	L2938	L3000			
in	1750 5' 8.9"	1813 5' 11.4"	1875 6' 1.8"	1938 6' 4.3"	2000 6' 6.7"	2063 6' 9.2"	2125 6' 11.7"	2188 7' 2.1"	2250 7' 0.6"	2313 7' 7.1"	2375 7' 9.5"	2438 7' 12"	2500 8' 2.4"	2563 8' 4.9"	2625 8' 7.3"	2688 8' 9.8"	2750 9' 0.3"	2813 9' 2.7"	2875 9' 5.2"	2938 9' 7.7"	3000 9' 10.1"			

For 100 mm (3.93")
LED strip cutting increment

mm	L0300	L0400	L0500	L0600	L0700	L0800	L0900	L1000	L1100	L1200	L1300	L1400	L1500	L1600	L1700	L1800	L1900	L2000	L2100	L2200	L2300	L2400	L2500	L2600
in	300 11.8"	400 1' 3.7"	500 1' 7.7"	600 1' 11.6"	700 2' 3.6"	800 2' 7.5"	900 2' 11.4"	1000 3' 3.4"	1100 3' 7.3"	1200 3' 11.2"	1300 4' 3.2"	1400 4' 7.1"	1500 4' 11"	1600 5' 3"	1700 5' 6.9"	1800 5' 10.9"	1900 6' 2.8"	2000 6' 6.7"	2100 6' 10.7"	2200 7' 2.6"	2300 8' 6.4"	2400 8' 10.5"	2500 8' 14.4"	2600 8' 18.3"
mm	L2700	L2800	L2900	L3000																				
in	2700 8' 10.3"	2800 9' 2.2"	2900 9' 6.2"	3000 9' 10.1"																				

For 125 mm (4.92")
LED strip cutting increment

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

For 250 mm (9.84")
LED strip cutting increment

mm	L0750	L1000	L1250	L1500	L1750	L2000	L2250	L2500	L2750	L3000
in	750 2' 5.5"	1000 3' 3.4"	1250 4' 1.2"	1500 4' 11.1"	1750 5' 8.9"	2000 6' 6.7"	2250 7' 4.6"	2500 8' 2.4"	2750 9' 0.3"	3000 9' 10.1"

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:

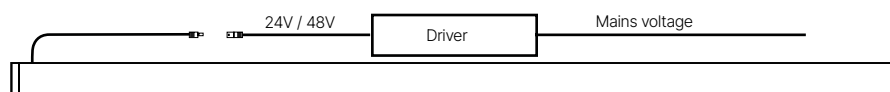
Start module length = 2000mm + 6mm

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

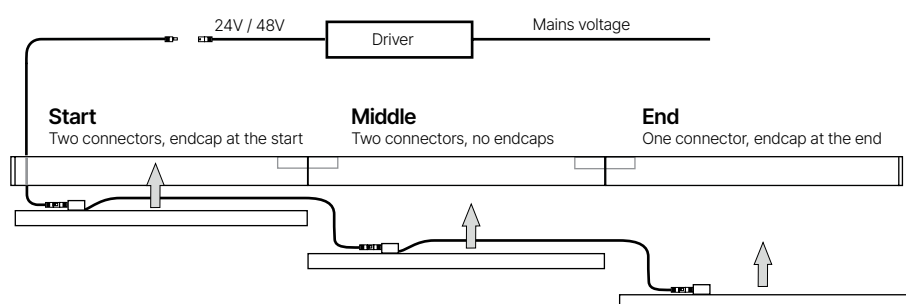
CONNECTION TYPES

INDIVIDUAL module

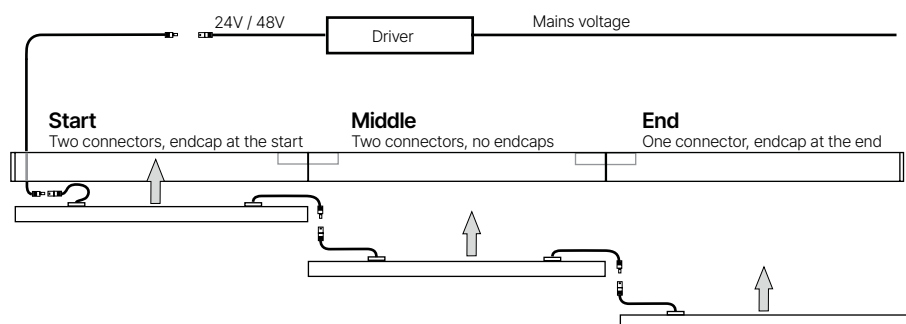
One cable, two endcaps



CONTINUOUS LINE module with T1X



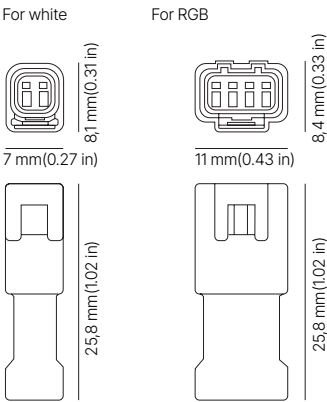
CONTINUOUS LINE module with J1X



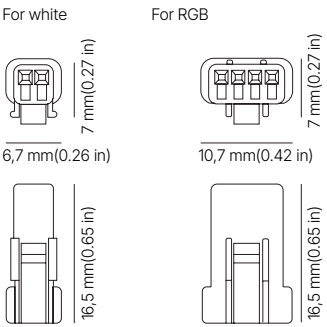
CONNECTORS & WIRES J1X

OUTDOOR

J1X - MALE CONNECTORS



J1X - FEMALE CONNECTORS



WIRES



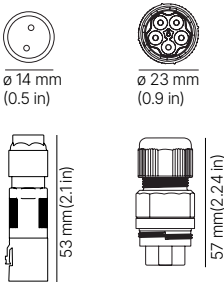
WIRE LENGTHS

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"

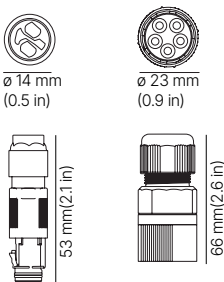
CONNECTORS & WIRES T1X

OUTDOOR

T1X - MALE CONNECTORS

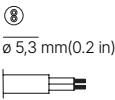


T1X - FEMALE CONNECTORS

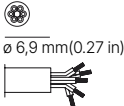


WIRES

NT20N



NT60N



TECHNICAL SPECIFICATIONS

CERTIFICATIONS



UL approved



Made in Europe



L90B10
60.000 hours



CE compliant



5- year warranty



NICHIA LEDs



KEY BENEFITS



3-step
MacAdam LEDs



Stabilized
current design



Wide 2000K-6500K
white color range



CRI 90 +
CRI 90+tri
CRI 95
Optisolis, RGB



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



24V / 48V
voltage input



Customization for
your project



Ambient light



Continuous line light
effect without dark spots



Reverse voltage
protection



External driver



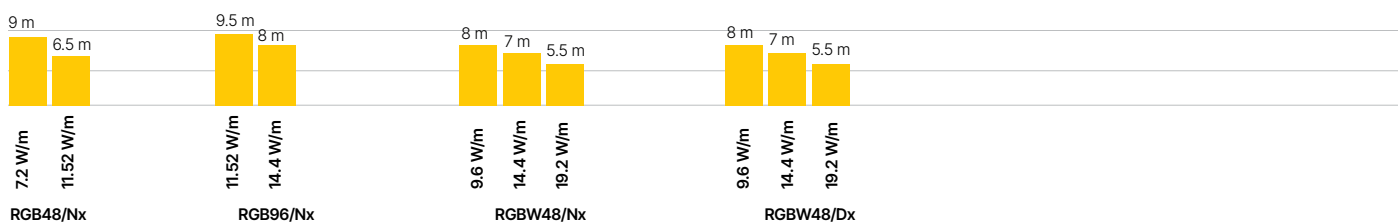
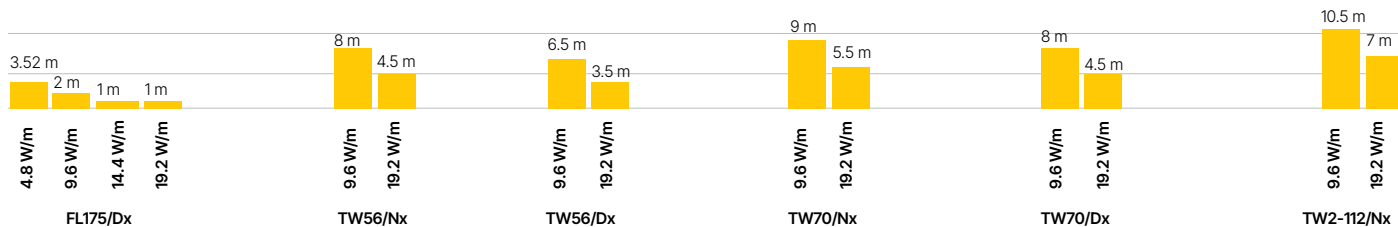
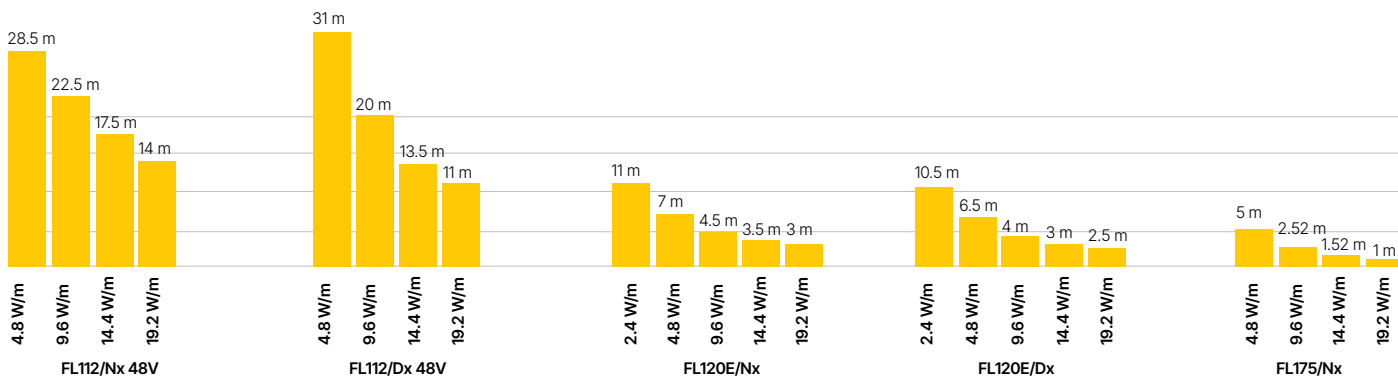
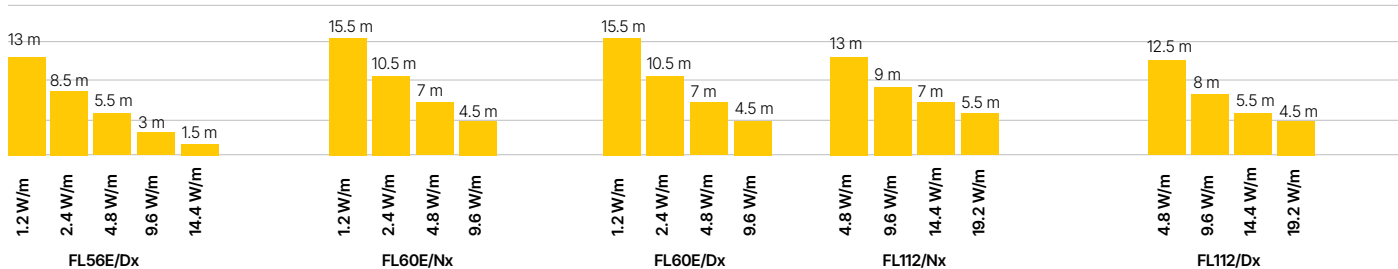
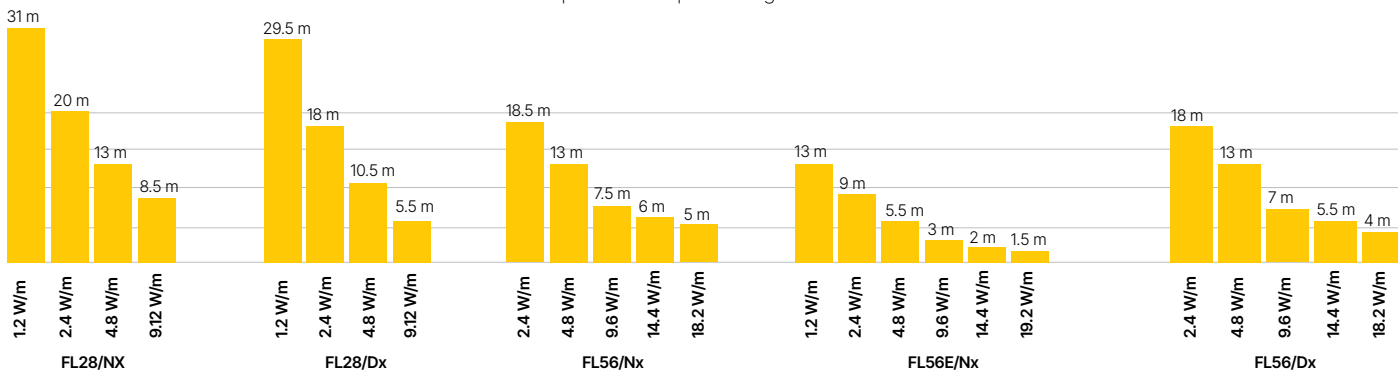
Thermal resistance:
-25° – +50°



UV, salt &
solvent resistant

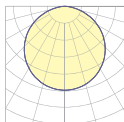
MAX RUN

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

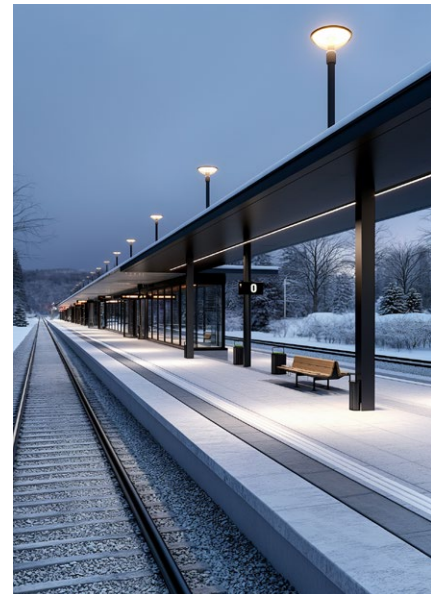
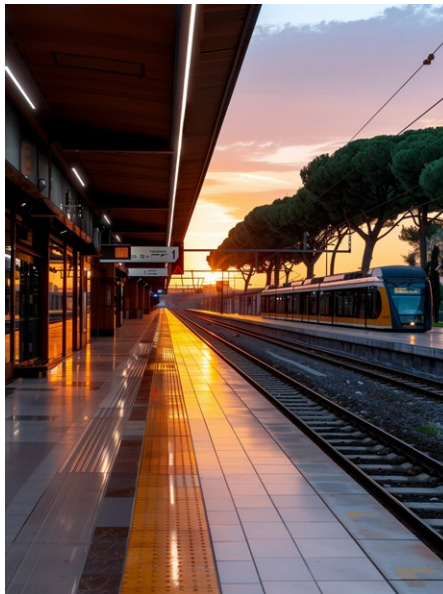


OPTICS OUTDOOR

EOP.FULLY.HARD



APPLICATIONS



POWER SUPPLY - INDOOR**CODE****DRI.V24.ILS.FO.SE.00001****DESCRIPTION****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****DRI.V24.OCO.FO.TR.00030****DESCRIPTION****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.