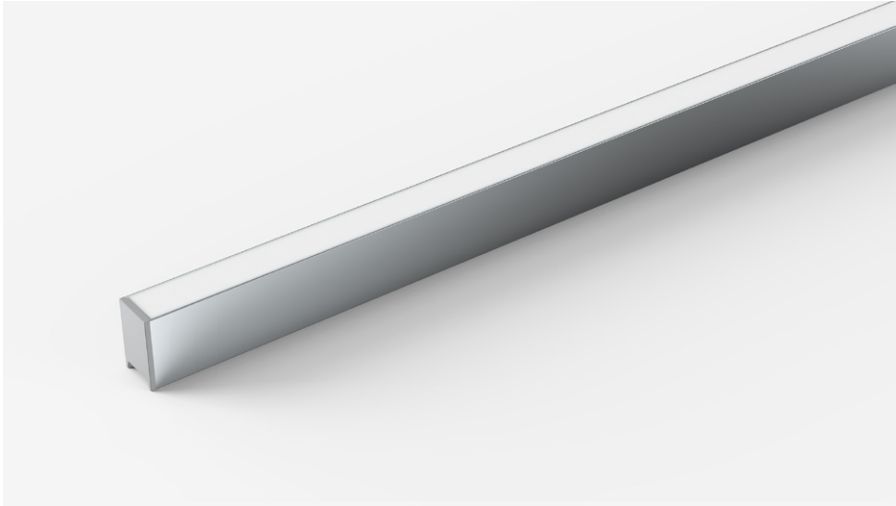


ULA M IP67

Specification Sheet

HOLECTRON



Area: Outdoor Luminaires



Category: Linear lighting / decorative lighting / Cove

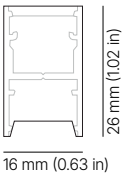


Mounting: Surface horizontal mounting / Surface vertical mounting / Wall mounting

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

These waterproof Ula M 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 / 48 V
LED lumen maintenance	L90B10 > 60.000 h
Light engine	Any LED strip up to 19 W/m
Cover	Opal / Clear (available on request)
Housing color	● Black, ○ White, ● Grey, ● Custom
Control	Dimmable

PROJECT

DATE

QUANTITY

NOTES

ORDER CODE

NAME	SEGMENT TYPE	HOUSING COLOR	COVER	LUMINAIRE LENGTH	LED SOURCE	POWER	CRI 1	CCT 1
FXI.AULMO							T9	
CRI 2	CCT 2 (only for TW strip)	STRIP LENGTH	CABLE TYPE	CONNECTOR	CABLE LENGTH	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	F full module, 2 end cap
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WIRE EXIT	B back
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HOUSING COLOR	AGY anodized gray	PWE white	PBK black	CUSTOM contact sales
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COVER	EOP opal
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LED SOURCE	cutting increment	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 2868 Lm/m (874 lm/ft)* LOR			
CCT 1		18 / 20 / 22 / 25 / 27 / 30 / 35 / 40 / 50 / 57 / 65 1800K / 2000K / 2200K / 2500K / 2700K / 3000K / 3500K / 4000K / 5000K / 5700K / 6500K	27-65 2700K - 6500K		18 / 20 / 22 / 25 / 27 / 30 / 35 / 40 / 50 / 57 / 65 1800K / 2000K / 2200K / 2500K / 2700K / 3000K / 3500K / 4000K / 5000K / 5700K / 6500K

CONNECTOR	NON no connectors	J1X connector PTX
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CABLE LENGTH	L200 200 mm 79" Default	L500 500 mm 1' 7.7"	L1000 1000 mm 3' 3.4"	L2000 2000 mm 5' 6.7"	L3000 3000 mm 9' 10.1"	L5000 5000 mm 16' 4.9"	L9000 9000 mm 29' 6.3"
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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 62.5mm (2.46") LED strip cutting increment		L0063	L0125	L0188	L0250	L0313	L0375	L0438	L0500	L563	L0625	L0688	L0750	L0813	L0875	L0938	L1000	L1063	L1125	L1188	L1250	L1313	L1375	L1438	L1500
mm	in	63	125	188	250	313	375	438	500	563	625	688	750	813	875	938	1000	1063	1125	1188	1250	1313	1375	1438	1500
		2.5"	4.9"	7.4"	9.8"	1' 0.3"	1' 2.8"	1' 5.2"	1' 7.7"	1' 10.2"	2' 0.6"	2' 3.1"	2' 5.5"	2' 8"	2' 10.4"	3' 0.9"	3' 3.4"	3' 5.9"	3' 8.3"	3' 10.8"	4' 1.2"	4' 3.7"	4' 6.1"	4' 8.6"	4' 11"
		L1563	L1625	L1688	L1750	L1813	L1875	L1938	L2000	L2063	L2125	L2188	L2250	L2313	L2375	L2438	L2500	L2563	L2625	L2688	L2750	L2813	L2875	L2938	L3000
mm	in	1563	1625	1688	1750	1813	1875	1938	2000	2063	2125	2188	2250	2313	2375	2438	2500	2563	2625	2688	2750	2813	2875	2938	3000
		5' 1.5"	5' 4"	5' 6.5"	5' 8.9"	5' 11.4"	6' 1.8"	6' 4.3"	6' 6.7"	6' 9.2"	6' 11.7"	7' 2.1"	7' 0.6"	7' 7.1"	7' 9.5"	7' 12"	8' 2.4"	8' 4.9"	8' 7.3"	8' 9.8"	9' 0.3"	9' 2.7"	9' 5.2"	9' 7.7"	9' 10.1"
For 100 mm (3.93") LED strip cutting increment		L0100	L0300	L0400	L0500	L0600	L0700	L0800	L0900	L1000	L1100	L1200	L1300	L1400	L1500	L1600	L1700	L1800	L1900	L2000	L2100	L2200	L2300	L2400	L2500
mm	in	100	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
		3.9"	11.8"	1' 3.7"	1' 7.7"	1' 11.6"	2' 3.6"	2' 7.5"	2' 11.4"	3' 3.4"	3' 7.3"	3' 11.2"	4' 3.2"	4' 7.1"	4' 11"	5' 3"	5' 6.9"	5' 10.9"	6' 2.8"	6' 6.7"	6' 10.7"	7' 2.6"	8' 6.4"	7' 10.5"	8' 2.4"
		L2600	L2700	L2800	L2900	L3000																			
mm	in	2600	2700	2800	2900	3000																			
		8' 6.4"	8' 10.3"	9' 2.2"	9' 6.2"	9' 10.1"																			
For 125 mm (4.92") LED strip cutting increment		L0125	L0250	L0375	L0500	L0625	L0750	L0875	L1000	L1125	L1250	L1375	L1500	L1625	L1750	L1875	L2000	L2125	L2250	L2375	L2500	L2625	L2750	L2875	L3000
mm	in	125	250	375	500	625	750	875	1000	1125	1250	1375	1500	1625	1750	1875	2000	2125	2250	2375	2500	2625	2750	2875	3000
		4.9"	9.8"	1' 2.8"	1' 7.7"	2' 0.6"	2' 5.5"	2' 10.4"	3' 3.4"	3' 8.3"	4' 1.2"	4' 6.1"	4' 11.1"	5' 4"	5' 8.9"	6' 1.8"	6' 6.7"	6' 11.7"	7' 4.6"	7' 9.5"	8' 2.4"	8' 7.3"	9' 0.3"	9' 5.2"	9' 10.1"

Module length = LED Strip Length + Offset

Offsets:

- Start module: 4mm (0.16 in)
- Middle module: 2mm (0.08 in)
- End module: 4mm (0.16 in)
- Invidual module: 6mm (0.23 in)
- Full module: 6mm (0.23 in)

i.e. Start module length for L2000 LED strip is:
Start module length = 2000mm + 4mm
Note: Length tolerance ± 3mm/m (0.11 in)

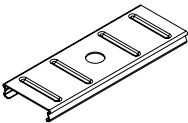
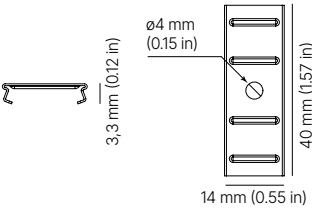


COVERS

CODE	DESCRIPTION
EOP	Opal

ACCESSORIES

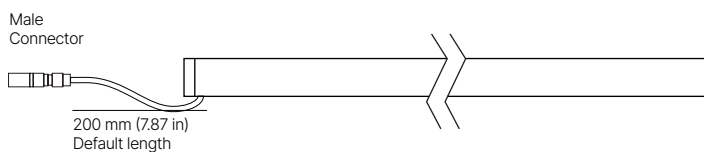
CODE	DESCRIPTION
PRG.AULSI.F01.GZK	Metal holder



DIMENSIONS

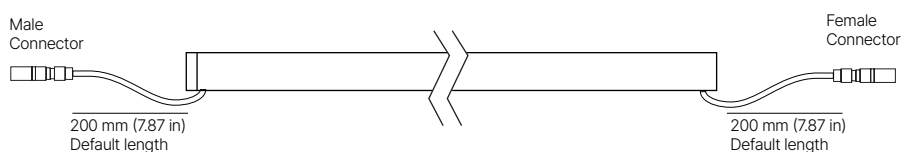
LUMINAIRE

One cable, two endcaps



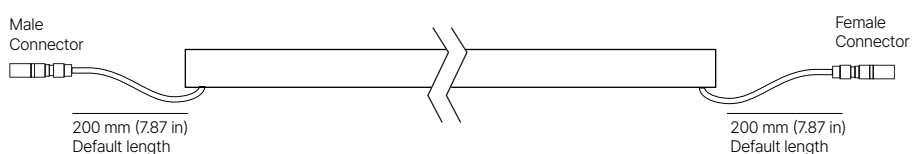
START

Two cables, endcap at the start



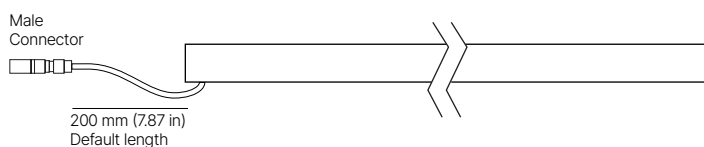
MIDDLE

Two cables, no endcaps



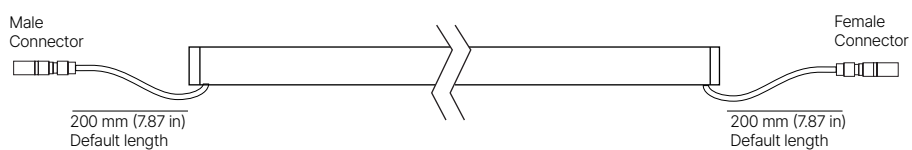
END

One cable, endcap at the end



FULL MODULE

Two cables, two endcaps



WIRE EXIT

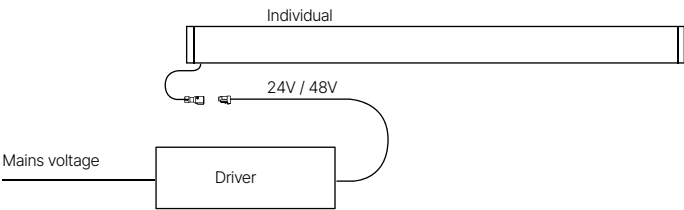


BACK

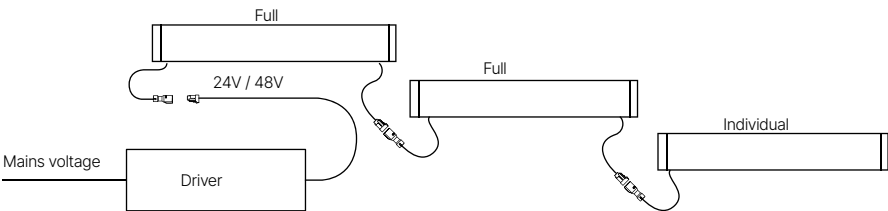
Wire through a hole on the back of the profile

CONNECTION TYPES

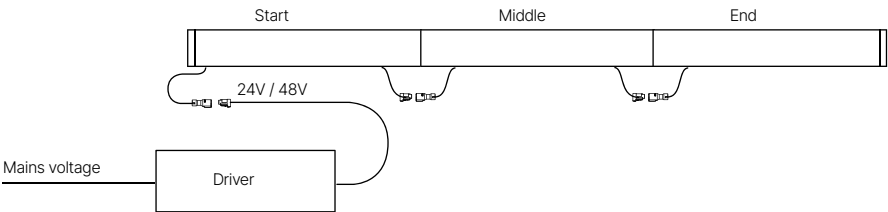
INDIVIDUAL module



FULL module



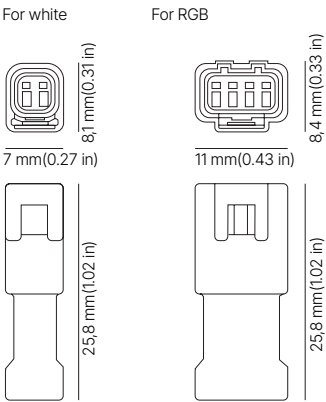
CONTINUOUS LINE module (for OUTDOOR OPAL ONLY)



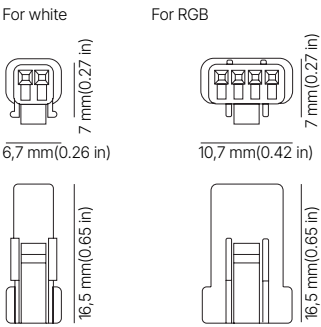
CONNECTORS & WIRES

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"

TECHNICAL SPECIFICATIONS

CERTIFICATIONS



UL approved



Made in Europe



L90B10
60.000 hours



CE compliant



5- year warranty



NICHIA LEDs



IP67

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



Available in any 0.5-3m
length



Reverse voltage
protection



External driver



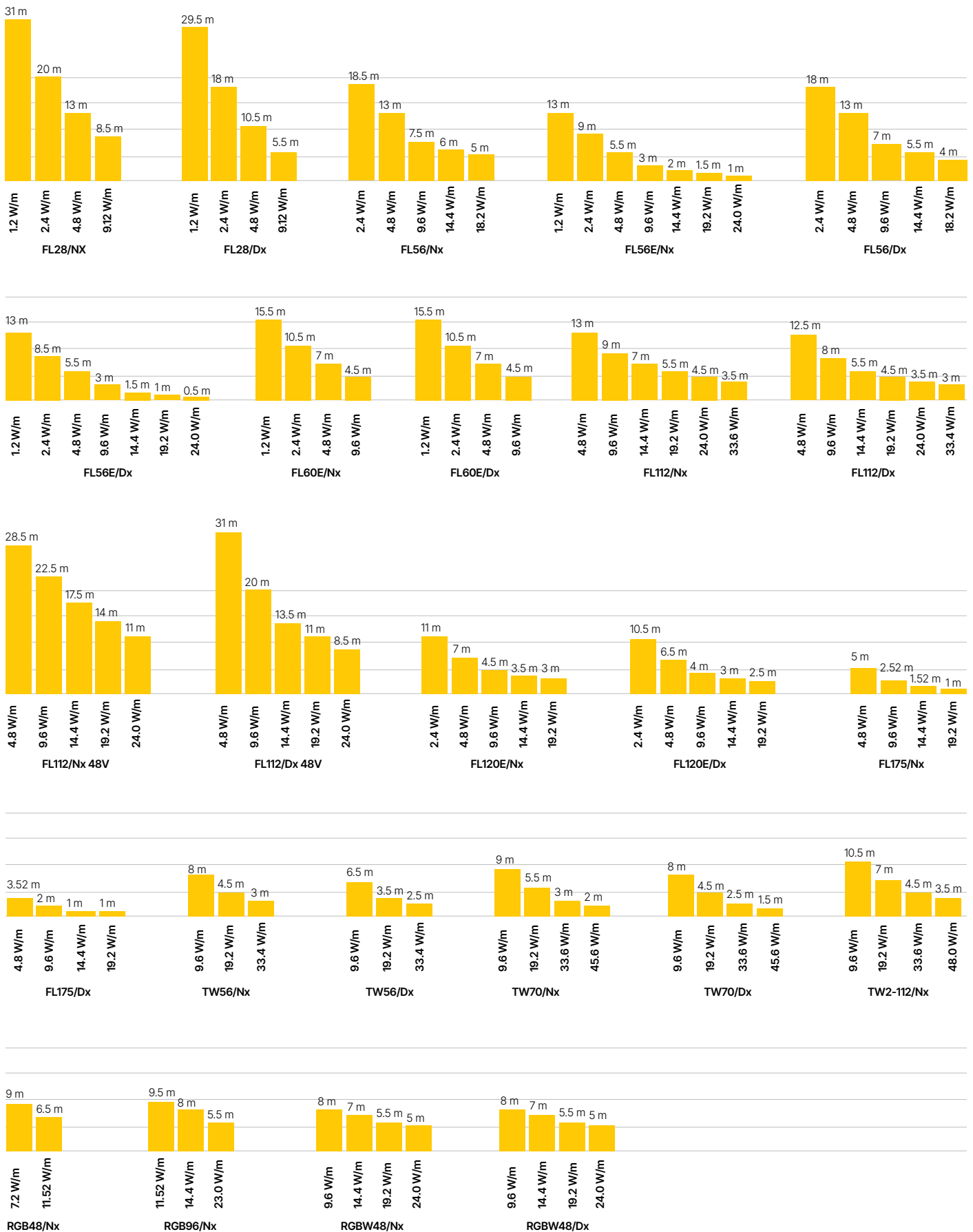
Continuous line light
effect without dark spots



UV, salt & solvent
resistant

MAX RUN

Possible max length connected to driver from single side.



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

0.5mm ² (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

0.5mm ² (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

0.5mm ² (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.

HOLECTRON

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Specifications are subject to change without notice.
Phone: +370 612 42446
email: info@holecron.com | www.holecron.com