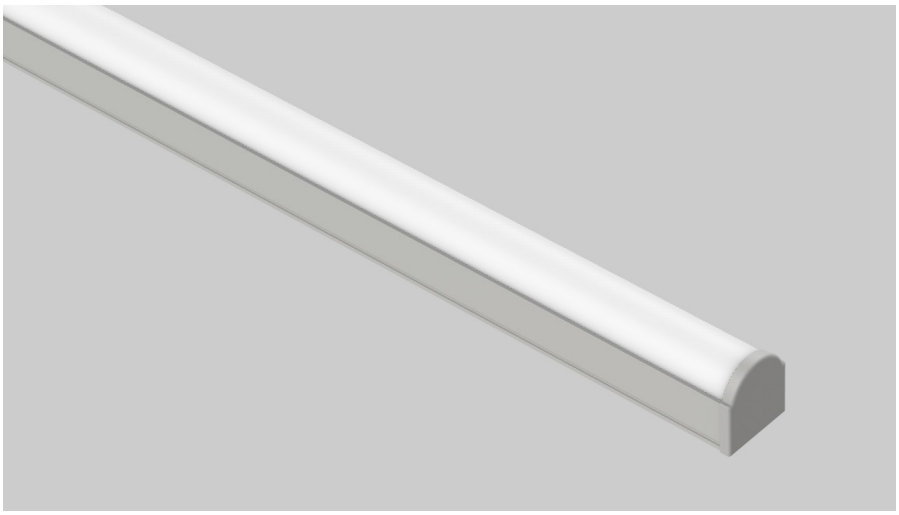
A007x

Specification Sheet

HOLECTRON



Area: Indoor Luminaires

Category: Linear lighting / decorative lighting / Cove

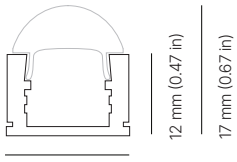
Mounting: Surface horizontal mounting / Surface vertical mounting / Wall mounting

A007x surface-mounted lighting fixture is available in 4 different beam angles (10, 30, 60, 90). It's a great option for edge lighting, wall grazing or simply to highlight textured surfaces.

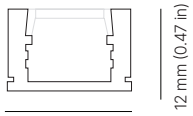
Take advantage of widest CCT range or customize A007x with Tunable white, RGB, RGBW LED strips to create a stunning highlight in your lighting projects.

Fixtures can be linked up to 14m (46') depending on the output.

Round



Flat



TECHNICAL DATA

Voltage	24 V / 48 V
LED lumen maintenance	L90B10 > 60.000 h
Light engine	Any LED strip up to 24 W/m
Control	Dimmable

PROJECT	
DATE	
QUANTITY	
NOTES	

ORDER CODE

NAME	SEGMENT TYPE	HOUSING COLOR	COVER	LUMINAIRE LENGTH	LED SOURCE	POWER	CRI 1	CCT 1
FXI.A007x							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 / end wire exit, 1 end cap	M middle segment, back / end wire exit, no end caps	E end segment, back / end wire exit, 1 end cap	F full module, 2 end cap			
WIRE EXIT	B back	E end						
HOUSING COLOR	AGY anodized gray	PWE white	PBK black	PGY gray	CUSTOM contact sales			
COVER	07X.1.CLR.10D clear 10°	07X.1.CLR.30D clear 30°	07X.1.CLR.60D clear 60°	07X.1.CLR.90D clear 90°	07X.1.OPL.10D opal 10° homogenous	07X.1.OPL.30D opal 30° homogenous	07X.1.OPL.60D opal 60° homogenous	07X.1.OPL.90D opal 90° homogenous
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				23W 24 W/m 7.3 W/ft 962 Lm/m (293 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						24W 24 W/m 7.3 W/ft 1924 Lm/m (587 Lm/ft)* LOR	
	24W 24 W/m 7.3 W/ft 3552 Lm/m (1083 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	P1X connector P1X						
CABLE LENGTH	L200 200 mm 7.9" 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"	

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**	**L.563**	**L0625**	**L0688**	**L0750**	**L0813**	**L0875**	**L0938**	**L1000**	**L1063**	**L1125**	**L1188**	**L1250**	**L1313**	**L1375**	**L1438**	**L1500**
mm	63	125	188	250	313	375	438	500	563	625	688	750	813	875	938	1000	1063	1125	1188	1250	1313	1375	1438	1500
in	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	1563	1625	1688	1750	1813	1875	1938	2000	2063	2125	2188	2250	2313	2375	2438	2500	2563	2625	2688	2750	2813	2875	2938	3000
in	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	100	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2600	2400	2500
in	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	2600	2700	2800	2900	3000
in	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	125	250	375	500	625	750	875	1000	1125	1250	1375	1500	1625	1750	1875	2000	2125	2250	2375	2500	2625	2750	2875	3000
in	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″

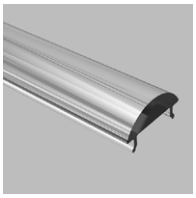
Module length = **LED Strip Length + Offset**

Offsets:

Start module:	12 mm (0.47 in)
Middle module:	2 mm (0.08 in)
End module:	12 mm (0.47in)
Invidual module:	22 mm (0.87 in)
Full module:	22 mm (0.87 in)

i.e. Start module length for L2000 LED strip is:
Start module length = 2000mm + 12 mm
Note: Length tolerance ± 3mm/m (0.11 in)

COVERS



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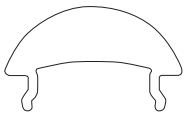
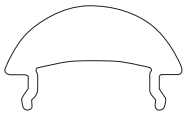
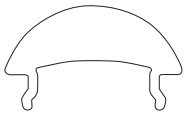
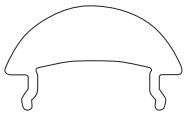
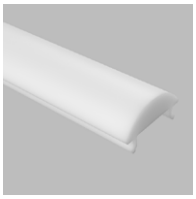
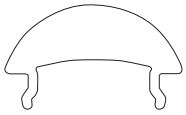
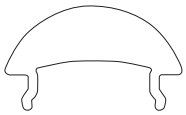
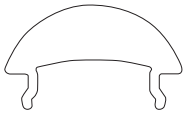
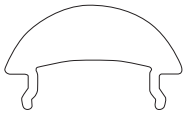
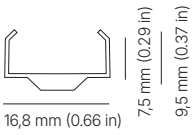
07X.1.CLR.10D 	Clear 10°
07X.1.CLR.30D 	Clear 30°
07X.1.CLR.60D 	Clear 60°
07X.1.CLR.90D 	Clear 90°



07X.1.OPL.10D 	Opal 10°
07X.1.OPL.30D 	Opal 30°
07X.1.OPL.60D 	Opal 60°
07X.1.OPL.90D 	Opal 90°

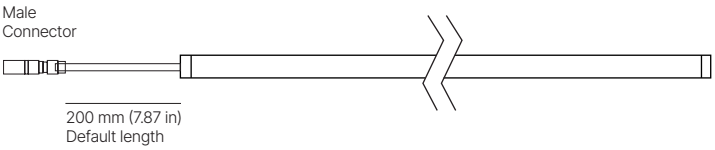
ACCESSORIES



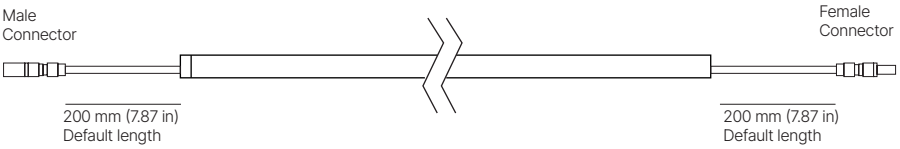
CODE	DESCRIPTION
PRG.A002X.F06.RGY	
	Rotatable silver holder
PRG.A002X.F06.PBK	
	Rotatable black holder
PRG.A002X.F03.GZK	
	Zink holder
PRG.A002X.F01.PBK	
	Black zink holder

DIMENSIONS

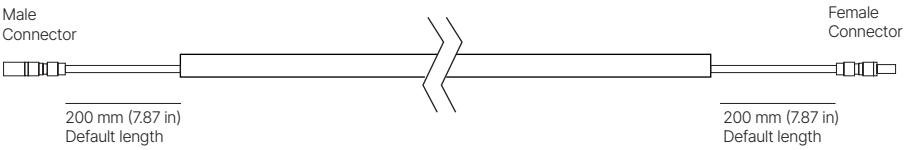
LUMINAIRE
One cable, two endcaps



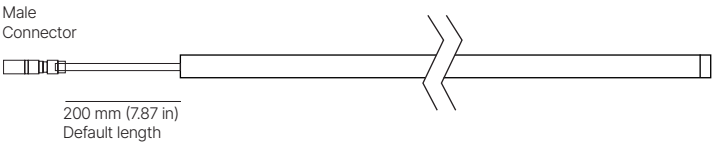
START
Two cables, endcap at the start



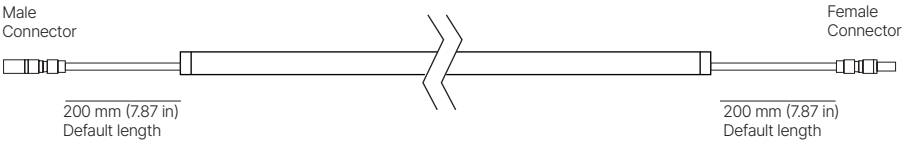
MIDDLE
Two cables, no endcaps



END
One cable, endcap at the end



FULL MODULE
Two cables, two endcaps



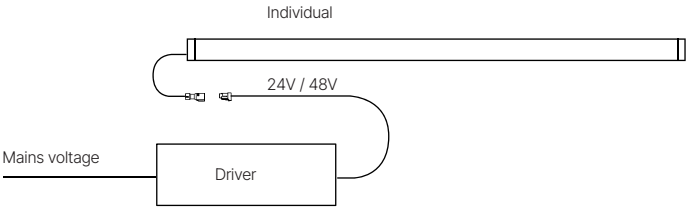
WIRE EXIT

END
Wire comes out from profile through endcap

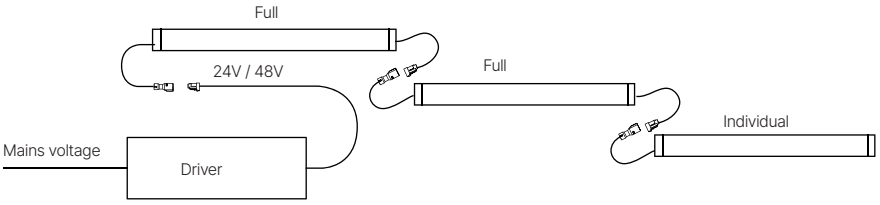
BACK
Wire through a hole on the back of the profile

CONNECTION TYPES

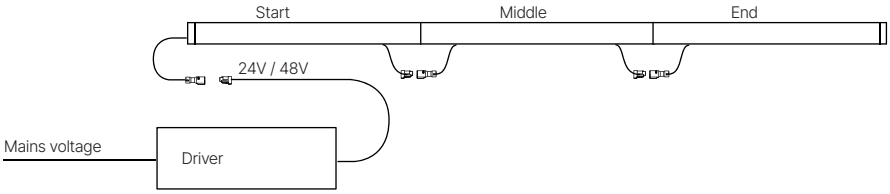
INDIVIDUAL module



FULL module



CONTINUOUS LINE module



CONNECTORS & WIRES

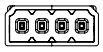
INDOOR

P1X - MALE CONNECTORS

For white

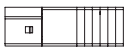
6,7 mm
(0.26 in)

For RGB



11,7 mm
(0.46 in)

5 mm (0.2 in)



15,5 mm
(0.61 in)

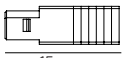
5 mm (0.2 in)

P1X - FEMALE CONNECTORS

6,1 mm
(0.24 in)

11,1 mm
(0.43 in)

5 mm (0.2 in)



15 mm
(0.59 in)

5 mm (0.2 in)

WIRES

3,6 mm
(0.14 in)

7,2 mm
(0.28 in)

5 mm (0.2 in)

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

RoHS COMPLIANT

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

Beam angle:
10°, 30°, 60°, 90°

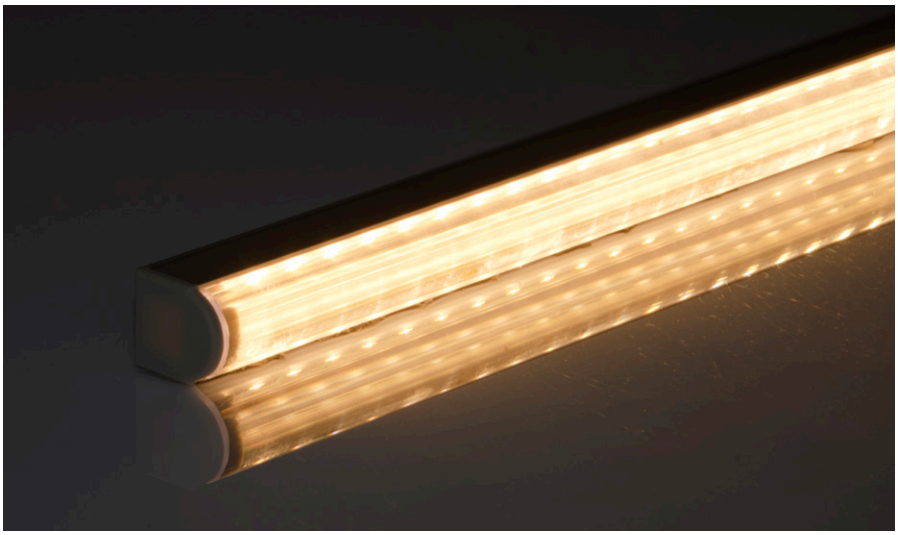
Available in any 0.5-3m length

Reverse voltage protection

External driver

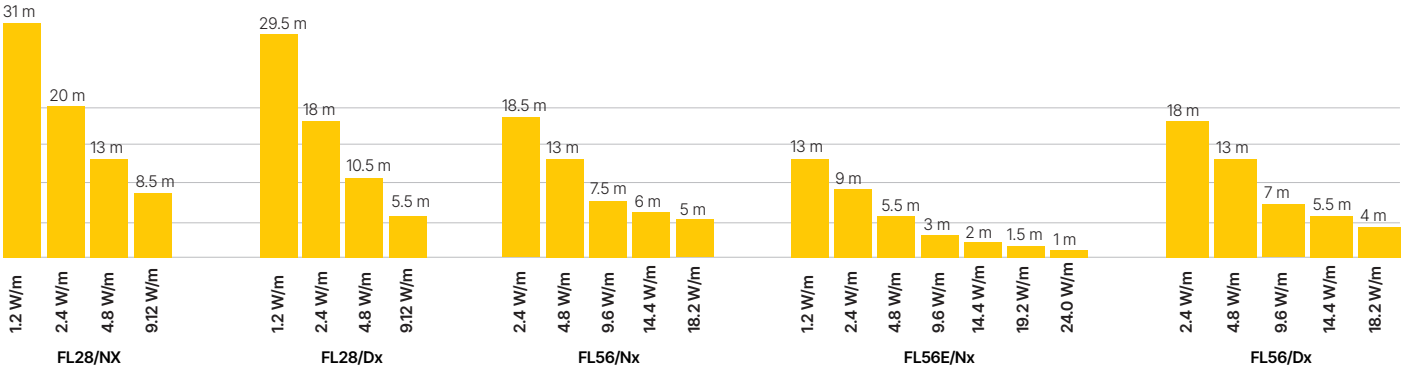
Continuous line light effect without dark spots

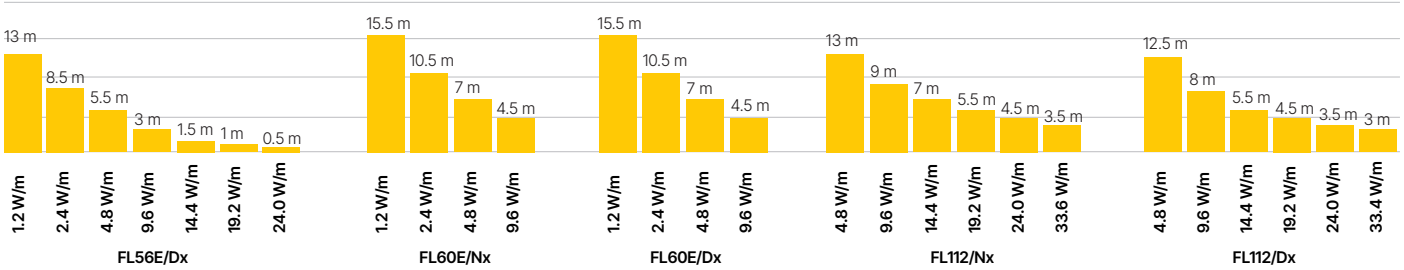
APPLICATIONS

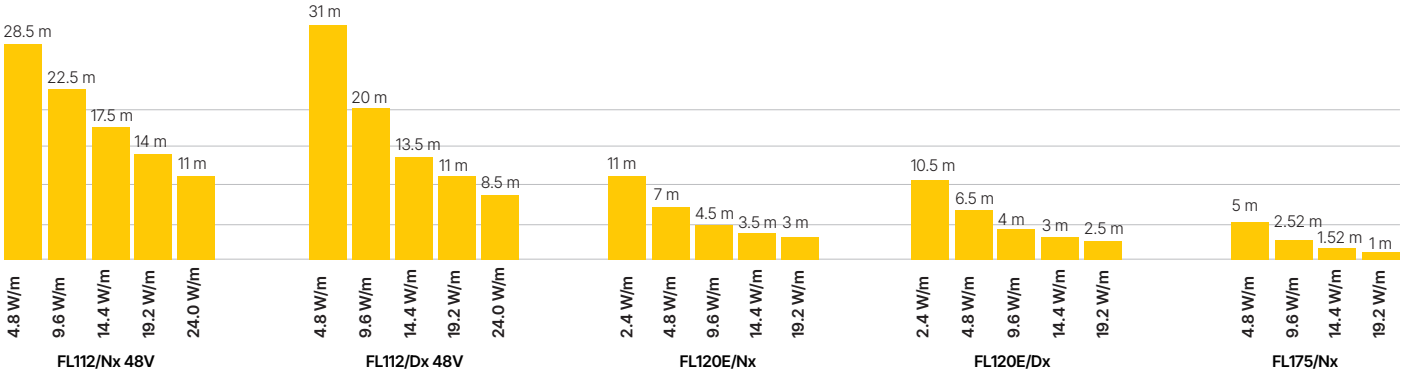


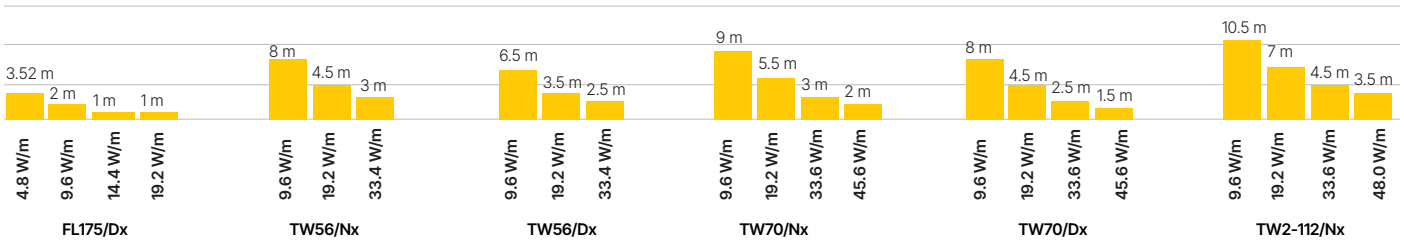
MAX RUN

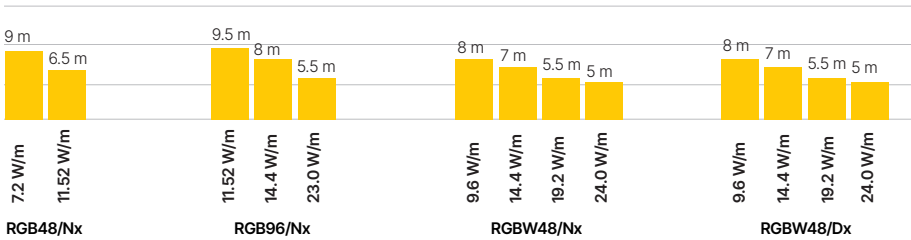
Possible max length connected to driver from single side.











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

0.5mm2 (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)	24W/m (7.3W/ft)	33.6W/m (10.2W/ft)
Max cable length between luminaire and driver	Product max run					
1 m	12.5 m	8 m	6 m	4.5 m	4 m	3.5 m
2 m	12 m	7.5 m	5.5 m	4 m	3.5 m	3 m
3 m	11.5 m	7.5 m	5.5 m	4 m	3.5 m	2.5 m
5 m	11 m	7 m	5 m	3.5 m	3 m	2 m
10 m	8.5 m	5 m	4 m	2.5 m	2 m	1 m
1.5mm2 (AWG 16)						
Max cable length between luminaire and driver	Product max run					
1 m	12.5 m	8.5 m	6 m	4.5 m	4 m	3.5 m
2 m	12.5 m	8.5 m	6 m	4.5 m	4 m	3.5 m
3 m	12.5 m	8 m	6 m	4.5 m	4 m	3 m
5 m	12 m	8 m	5.5 m	4 m	3.5 m	3 m
10 m	11.5 m	7.5 m	5 m	3.5 m	3.5 m	2.5 m

WHITE 48V

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)	24W/m (7.3W/ft)
Max cable length between luminaire and driver	Product max run				
1 m	28 m	22 m	17 m	13 m	10.5 m
2 m	27.5 m	21.5 m	16.5 m	12.5 m	10 m
3 m	27 m	21 m	16 m	12 m	9.5 m
5 m	26.5 m	20.5 m	15 m	11 m	8.5 m
10 m	25 m	19 m	13.5 m	9 m	6.5 m
1.5mm2 (AWG 16)					
Max cable length between luminaire and driver	Product max run				
1 m	28.5 m	22 m	17 m	13.5 m	10.5 m
2 m	28 m	21.5 m	16.5 m	13 m	10 m
3 m	27.5 m	21.5 m	16.5 m	13 m	10 m
5 m	27.5 m	21 m	16 m	12.5 m	9.5 m
10 m	27 m	20.5 m	15.5 m	12 m	9 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)
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

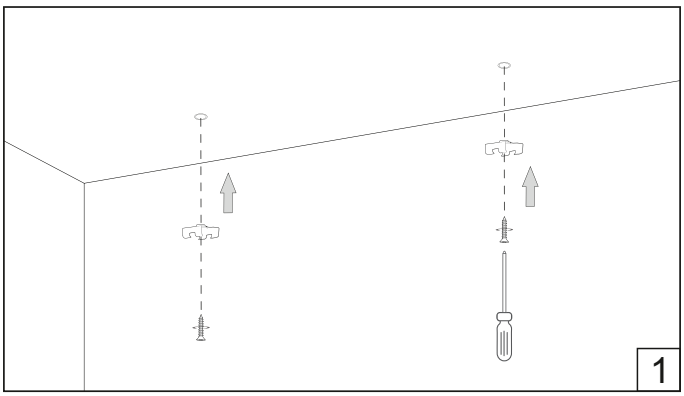
24V 48 RGB

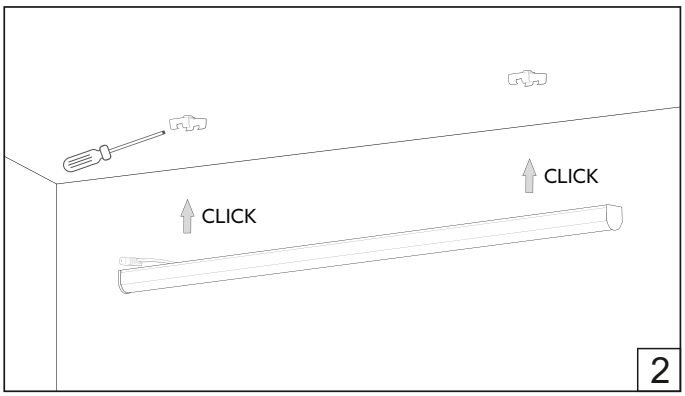
0.5mm2 (AWG 20)	7.2W/m (2.2W/ft)	11.5W/m (1.5W/ft)
Max cable length between luminaire and driver	Product max run	
1 m	8.5 m	5.5 m
2 m	8 m	5.5 m
3 m	8 m	5 m
5 m	7.5 m	4.5 m
10 m	7 m	3.5 m
1.5mm2 (AWG 16)		
Max cable length between luminaire and driver	Product max run	
1 m	8.5 m	5.5 m
2 m	8.5 m	5.5 m
3 m	8.5 m	5.5 m
5 m	8.5 m	5.5 m
10 m	8 m	5 m

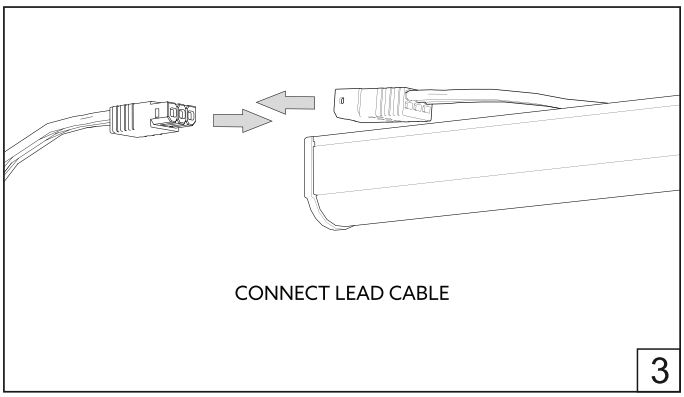
24V 96 RGB

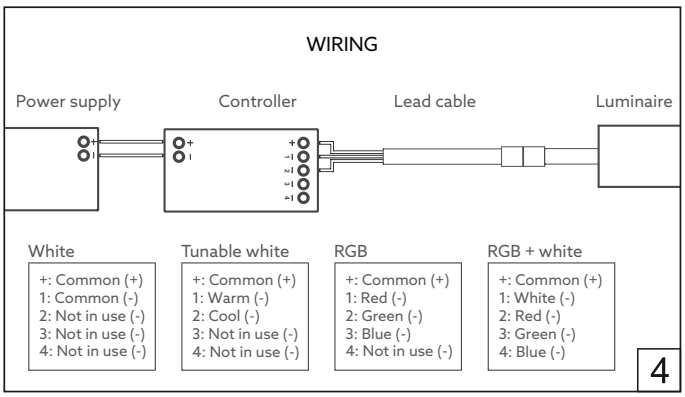
0.5mm2 (AWG 20)	11.5W/m (1.5W/ft)	14.4W/m (4.4W/ft)	23W/m (4.4W/ft)
Max cable length between luminaire and driver	Product max run		
1 m	9 m	7.5 m	4.5 m
2 m	8.5 m	7 m	4 m
3 m	8.5 m	7 m	3.5 m
5 m	8 m	6 m	2.5 m
10 m	5.5 m	3.5 m	0
1.5mm2 (AWG 16)			
Max cable length between luminaire and driver	Product max 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

INSTALLATION GUIDE

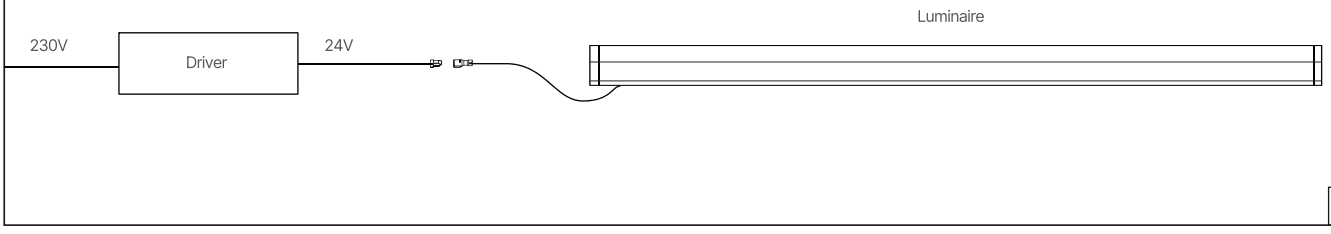








SINGLE LUMINAIRE



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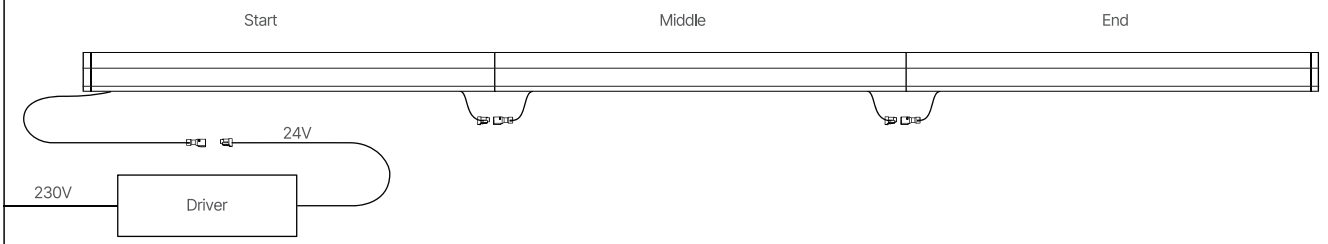
CONTINUOUS LINE



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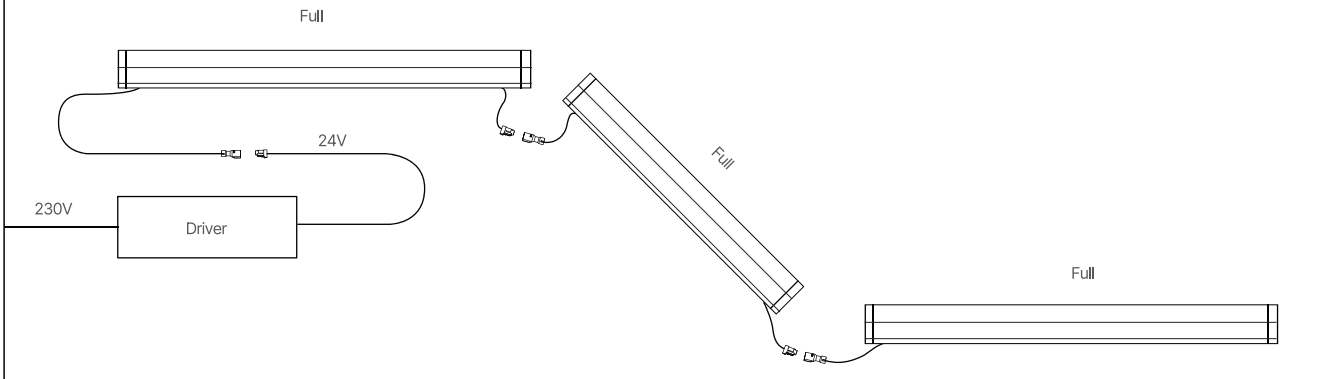
FULL LUMINAIRE



7

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 Holectron 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

Holectron 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. Holectron 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 Holectron 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 Holectron 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.
Holectron strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Holectron 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 Holectron product specifications can make the requisite decisions appropriate for a successful finished lighting application.

HOLECTRON

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