

ULA-L-IP67

Specification Sheet



Area: Outdoor

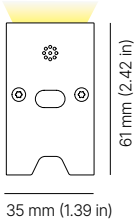


Category: Linear lighting / decorative lighting / Cove



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

Ula L IP65 is a modular linear LED light with a opal cover designed for long-term outdoor professional lighting applications. NICHIA LEDs guarantees highest quality lighting and super-high efficacy. 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 33 W/m
Control	Dimmable



PROJECT
DATE
QUANTITY
NOTES

ORDER CODE

NAME	SEGMENT TYPE	WIRE EXIT	HOUSING COLOR	COVER	LUMINAIRE LENGTH	LED SOURCE	POWER

CRI 1	CCT 1	CRI 2 (only for TW strip)	CCT 2 (only for TW strip)	STRIP LENGTH	CABLE TYPE	CONNECTOR	CABLE LENGTH	STANDART NAME	PACKING
					HR			STD	PH

NAME	SEGMENT TYPE	WIRE EXIT	HOUSING COLOR	COVER	CONNECTOR	CABLE LENGTH
FXO.ULAL67.A1112	I individual luminaire 2 end caps	B back	AGY anodized gray	EOP Opal Encapsulated homogenous	NON no connectors	L0200 200 mm 7.9" Default
FXO.ULAL67.A1112.FULLY-	S start segment back / end wire exit 1 end cap		PWE white	EOP.FULLY.HARD Opal Encapsulation. Hard	TIX connector TIX	L0500 500 mm 1' 7.7"
	M middle segment back / end wire exit no end caps		PBK black			L1000 1000 mm 3' 3.4"
	E end segment back / end wire exit 1 end cap		CUSTOM contact sales			L2000 2000 mm 5' 6.7"
	F full module 2 end cap					L3000 3000 mm 9' 10.1"
						L5000 5000 mm 16' 4.9"
						L9000 9000 mm 29' 6.3"

LED SOURCE	POWER						CRI	CCT
FL112/NX static white 62.5 mm (2.46")	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 1460 Lm/m (445 Lm/ft)* LOR	14W 14,4 W/m 4.4 W/ft 2170 Lm/m (662 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 3552 Lm/m (1083 Lm/ft)* LOR	33W 33,4 W/m 10.2 W/ft 4886 Lm/m (1488 Lm/ft)* LOR	90+	18 / 20 / 22 / 25 / 27 / 30 / 35 / 40 / 50 / 57 / 65 1800K / 2000K / 2200K / 2500K / 2700K / 3000K / 3500K / 4000K / 5000K / 5700K / 6500K
TW70/NN tunable white 100mm (3.93")	9W 9,6 W/m 2.9 W/ft 1469 Lm/m (448 Lm/ft)* LOR	19W 19,2 W/m 5.8 W/ft 2900 Lm/m (884 Lm/ft)* LOR	33W 33,4 W/m 10.2 W/ft 4971 Lm/m (1514 Lm/ft)* LOR	45W 45,6 W/m 14.6 W/ft 6633Lm/m (2020 Lm/ft)* LOR			90+	27-65 2700K - 6500K
RGB96/NX RGB 62.5 mm (2.46")	11W 11,52 W/m 3.5 W/ft 479 Lm/m (146 Lm/ft)* LOR	14W 14,4 W/m 4.4 W/ft 600 Lm/m (183Lm/ft)* LOR	23W 23 W/m 7 W/ft 962 Lm/m (293 Lm/ft)* LOR					
RGBW48/NN RGBW 125 mm (4.92")	9W 9,6 W/m 2.9 W/ft 608 Lm/m (185 Lm/ft)* LOR	14W 14,4 W/m 4.4 W/ft 886 Lm/m (270 Lm/ft)* LOR	19W 19,2 W/m 5.8 W/ft 1392 Lm/m (424 Lm/ft) * LOR	24W 24 W/m 7.3 W/ft 1924 Lm/m (587 Lm/ft)* LOR			90+	18 / 20 / 22 / 25 / 27 / 30 / 35 / 40 / 50 / 57 / 65 1800K / 2000K / 2200K / 2500K / 2700K / 3000K / 3500K / 4000K / 5000K / 5700K / 6500K

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

LUMINAIRE LENGTH

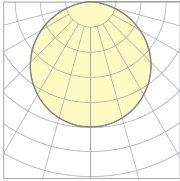
Module length = LED Strip Length + Offset

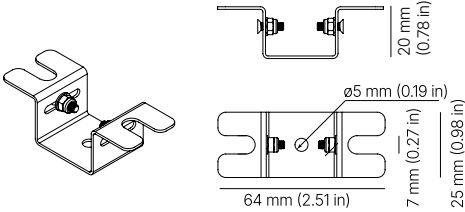
- Offsets:
- Start module: 4mm (0.16 in)
 - Middle module: 2mm (0.08 in)
 - End module: 4mm (0.16 in)
 - Individual module: 6mm (0.23 in)
 - Full module: 6mm (0.23 in)

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

LED STRIP LENGTH

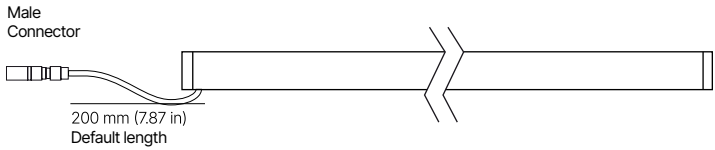
For 62.5mm (2.46") LED strip cutting increment		L0063	L0125	L0188	L0250	L0313	L0375	L0438	L0500	L563	L0625	L0688	L0750	L0813	L0875	L0938	L1000	L1063	L1125	L1188	L1250	L1313	L1375	L1438	L1500
mm	in	63 2.5"	125 4.9"	188 7.4"	250 9.8"	313 1' 0.3"	375 1' 2.8"	438 1' 5.2"	500 1' 7.7"	563 1' 10.2"	625 2' 0.6"	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"
mm	in	L1563 1563 5' 1.5"	L1625 1625 5' 4"	L1688 1688 5' 6.5"	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"
For 100 mm (3.93") LED strip cutting increment		L1000	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 3.9"	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 7' 10.5"	2500 8' 2.4"
mm	in	L2600 2600 8' 6.4"	L2700 2700 8' 10.3"	L2800 2800 9' 2.2"	L2900 2900 9' 6.2"	L3000 3000 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 4.9"	250 9.8"	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"

COVERS	CODE	DESCRIPTION
 	EOP	Opal Encapsulated homogenous
	EOP.FULLY.HARD	Opal Encapsulation. Hard

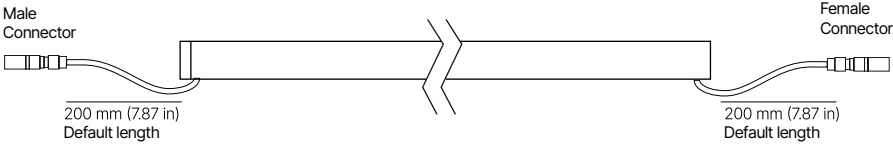
ACCESSORIES	CODE	DESCRIPTION
	PRG.A1112.F07.RGY	Surface Hiden Holder
	PRG.A1112.F02.RGY	Surface Mounting Bracket

DIMENSIONS

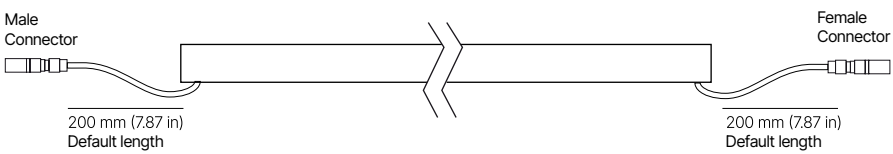
LUMINAIRE
One cable, two endcaps



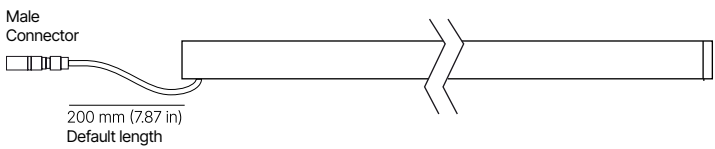
START
Two cables, endcap at the start



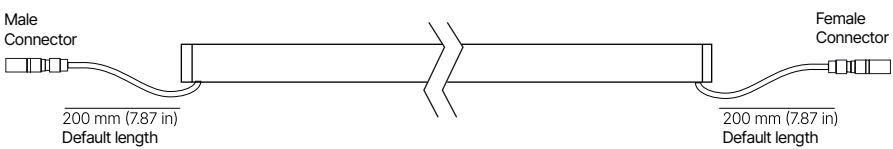
MIDDLE
Two cables, no endcaps



END
One cable, endcap at the end



FULL
Two cables, two endcaps



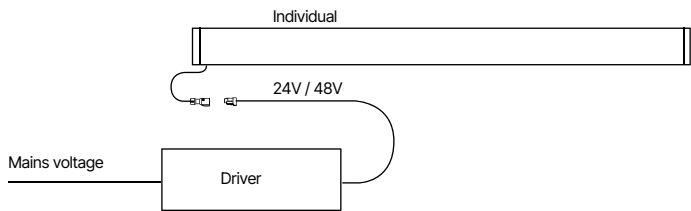
WIRE EXIT



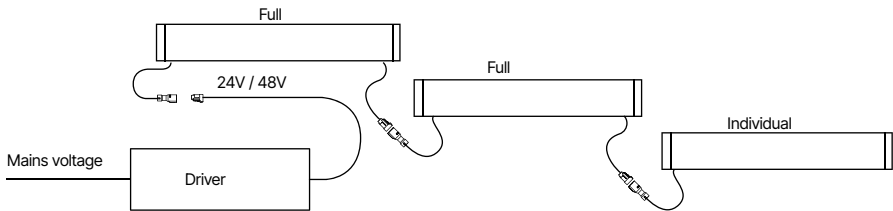
BACK
Wire through a hole on the back of the profile

CONNECTION TYPES

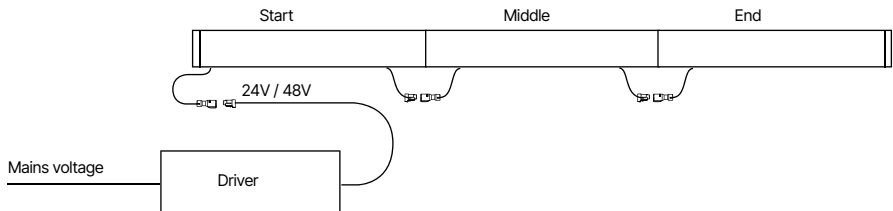
INDIVIDUAL module



FULL module



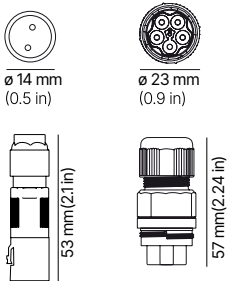
CONTINUOUS LINE module



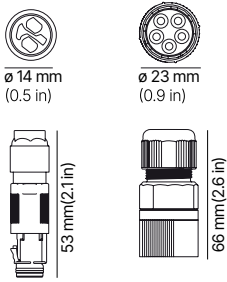
CONNECTORS & WIRES

OUTDOOR

T1X - MALE CONNECTORS

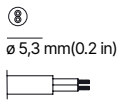


T1X - FEMALE CONNECTORS

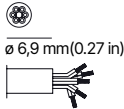


WIRES

NT20N



NT60N



WIRE LENGTHS

CODE	L0200	L0500	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



IK10

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

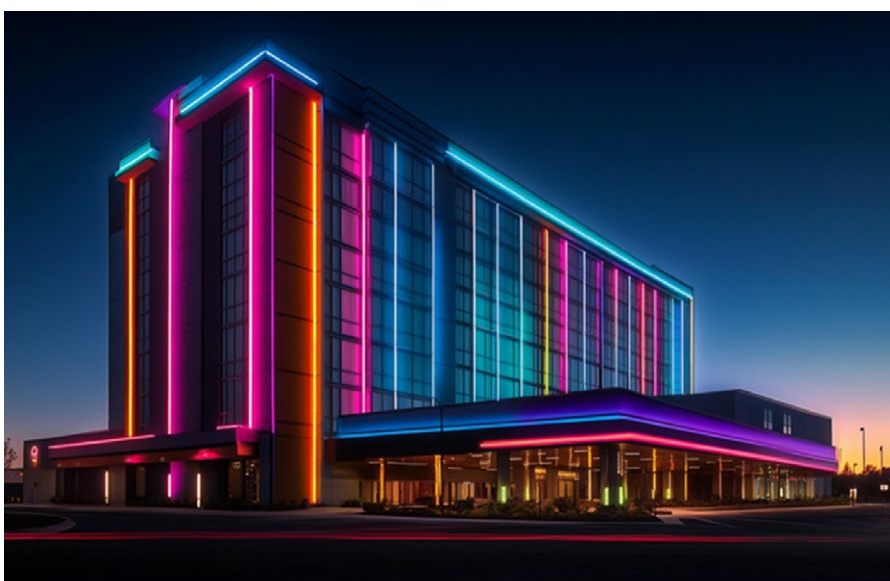
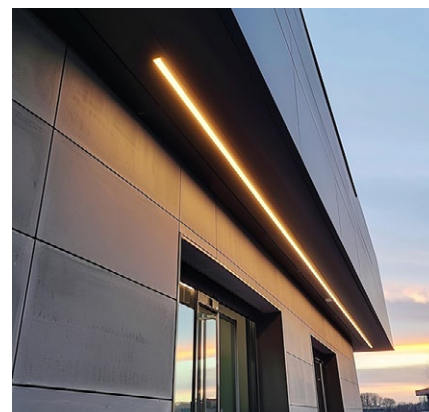
Ambient light

Available in any 0.5-3m
lengthReverse voltage
protection

External driver

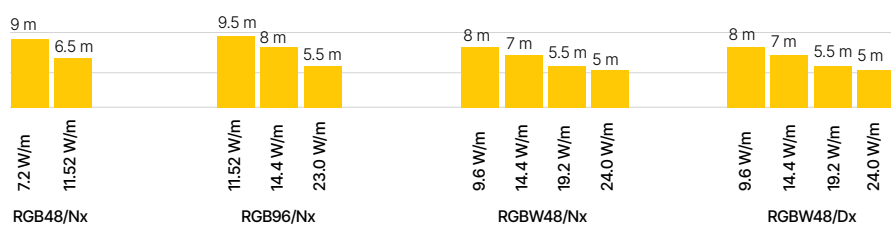
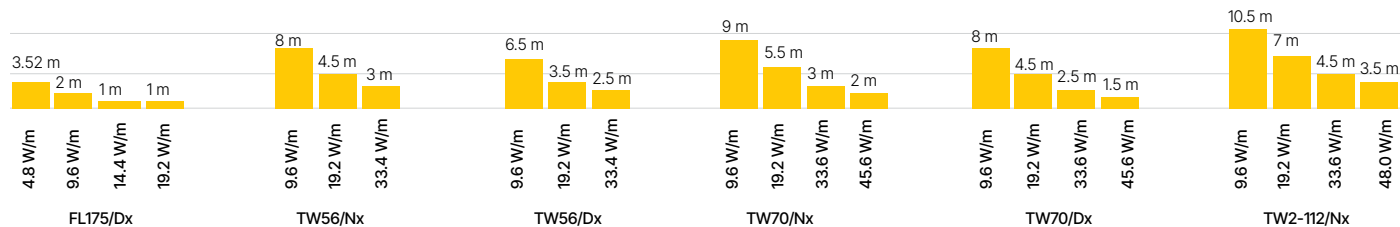
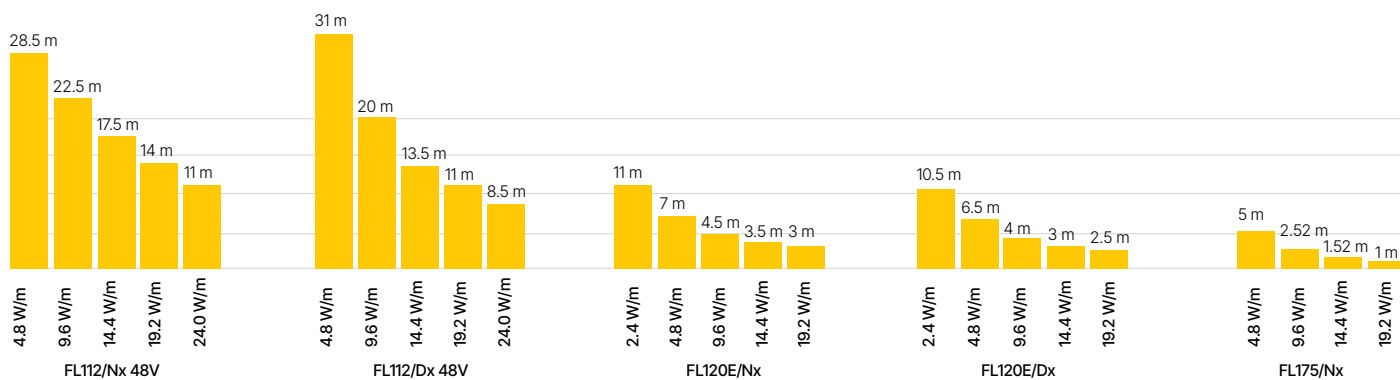
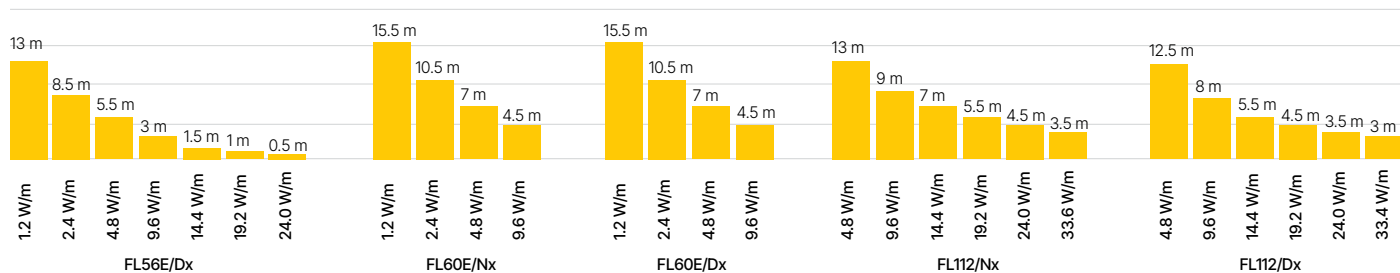
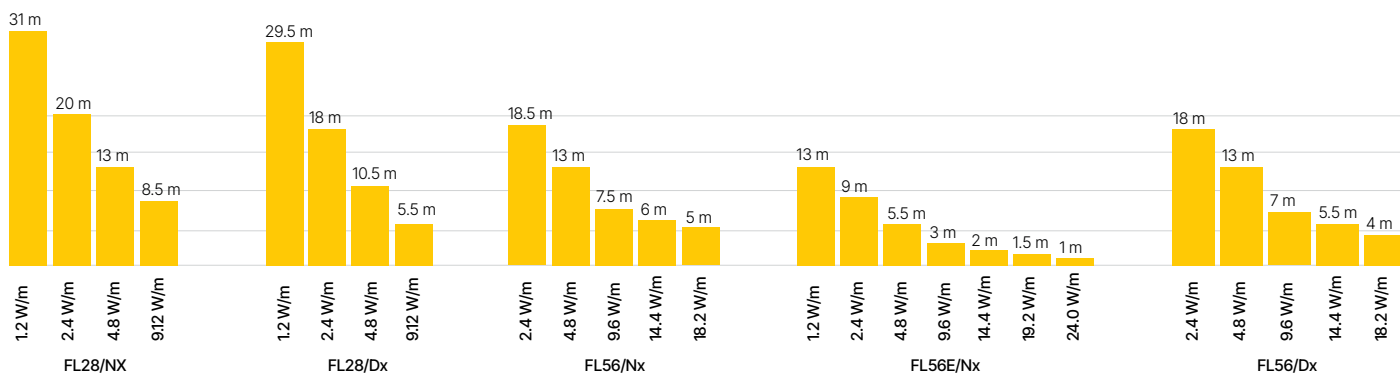
Continuous line light
effect without dark spotsUV, salt & solvent
resistantThermal
resistance:
-25° – +50°

APPLICATIONS



MAX RUN

Possible max length connected to driver from single side.



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

0.5mm2 (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

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.