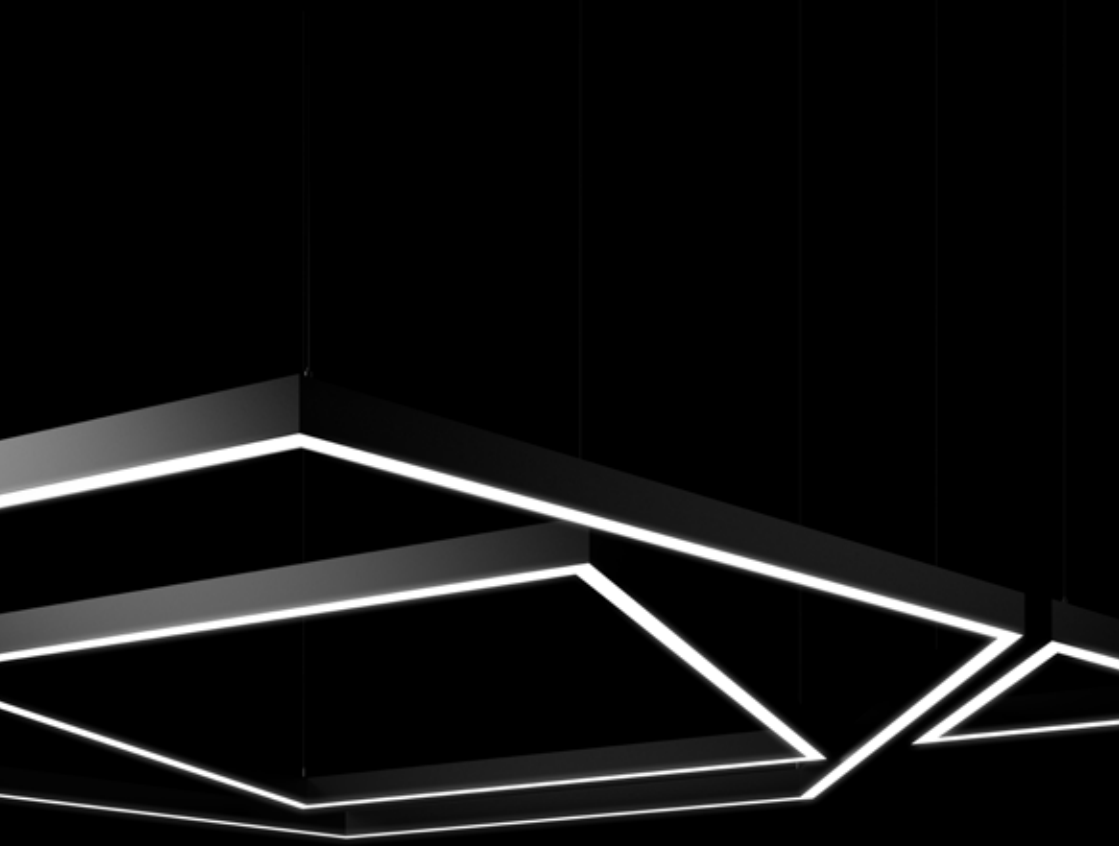
HOLECTRON



A++ Energy Efficient

3 STEP 3 STEP MacAdam LEDs

Stabilized current design

60 000 L90B10 60 000 hours

Made in Europe

5 5-year warranty

c ETL us Intertek

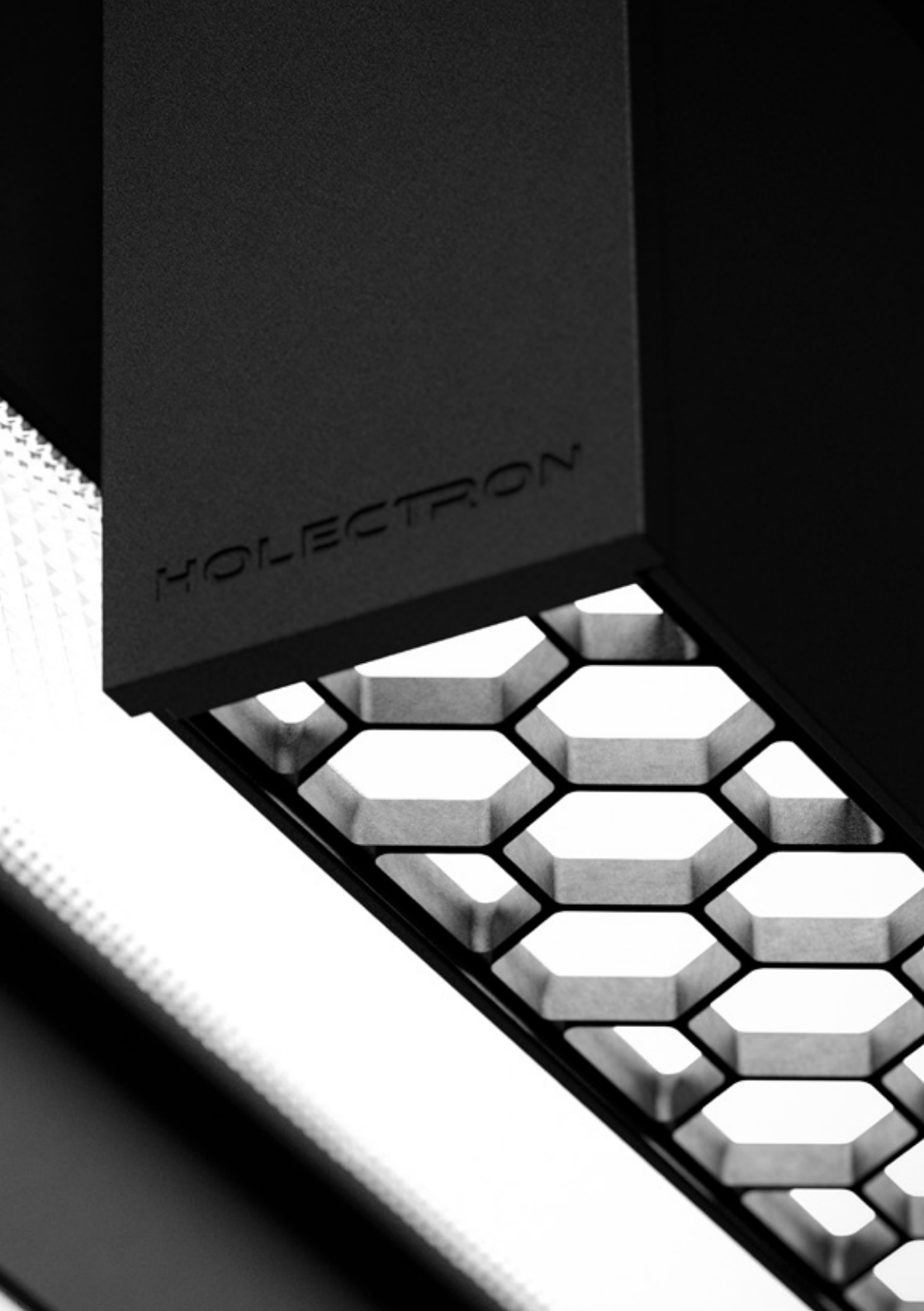
RoHS COMPLIANT

CE

NICHIA

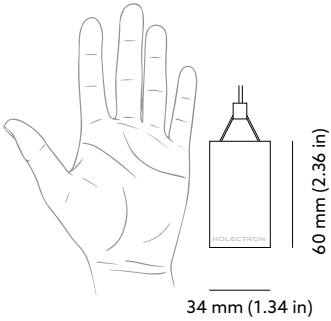
Neman

INDOOR & OUTDOOR
LUMINAIRES

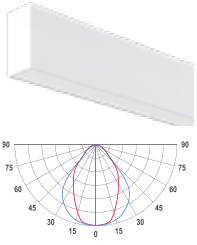

HOLECTRON

Neman

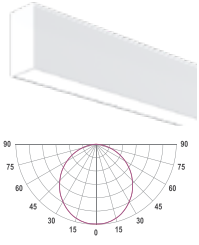
Slim as a fashion model



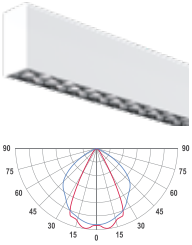
Highly customizable and featuring an ultra-slim design, the Neman luminaire is our flagship product. Its sleek, modern design has been achieved without loss of light quality. This makes it an ideal choice for office spaces aiming for an ambitious contemporary design. And the Neman offers all the versatility a lighting designer could ask for. It has multiple choices of finish and a range of covers. In terms of mounting, you can choose from direct/indirect, surface, pendant, recessed and trimless. With two power options, plus a number of sensors and spotlight and dimming add-ons, the Neman can be adapted to any given project to achieve just the right lighting effect.



MICROPRISMATIC - MP
Low glare
Comfortable light



OPAL - OP
Diffused light
White line effect



HONEYCOMB BLACK - HB
Very low glare
High comfort soft light

Housing Colors

Gray - AG

White - PW

Black - PB

Custom (RAL)

Technical Data

Housing	Powder coated aluminium	
LED type	Nichia LEDs, 3-Step MacAdam	
LED lumen maintenance	L90B10 > 60 000 h	
Electrical	220 - 240 V AC, internal driver	External driver for North American market
Suspension system (for pendant)	Silver coloured, lenght - 2 m	6.56′
Lead cable (for pendant)	Transparent, lenght - 2 m	6.56′

Neman Mesh

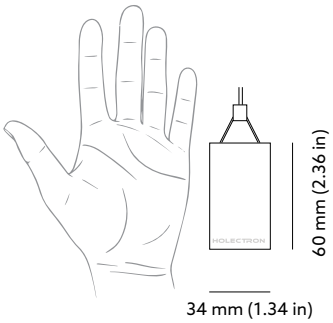
INDOOR
LUMINAIRE

Build unexpected

Surprising.
Light up spaces in new creative and unexpected ways through use of highly modifiable shapes of Neman Mesh.

Adaptable.
Build Mesh structures by joining different shapes and elements into a single network. Make luminaire part of your creative expression to create the genuine lighting masterpiece. As vast and astounding as your imagination is.

Technical Drawing



Technical details

Light output

Low output:	1500 lm/m
Standard output:	2100 lm/m

Spectrum

Static white:	2700K / 3000K / 3500K / 4000 K CRI80+ / CR90+ / CRI95+
Tunable white:	2700-6500K / Custom CCT

Range
CRI80+ / CR90+ / CRI95+

Optics
Honeycomb / NemanX Louvre / Microprism / Opal

Feed cable
Single lead cable per Mesh system

Profile color:
Black, gray, white

Mesh system components

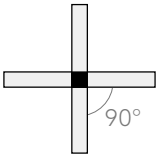
Parent modules
CMD type

560 mm / 1.8 ft
840 mm / 2.8 ft
1120 mm / 3.7 ft
1400 mm / 4.6 ft
1680 mm / 5.5 ft
1960 mm / 6.4 ft
2240 mm / 7.3 ft
2520 mm / 8.3 ft
2800 mm / 9.2 ft
3080 mm / 10.1 ft

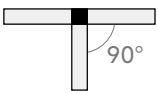
Child modules
CMN type

560 mm / 1.8 ft
840 mm / 2.8 ft
1120 mm / 3.7 ft
1400 mm / 4.6 ft
1680 mm / 5.5 ft
1960 mm / 6.4 ft
2240 mm / 7.3 ft

Joints

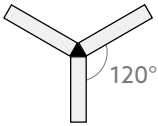


X4 joint



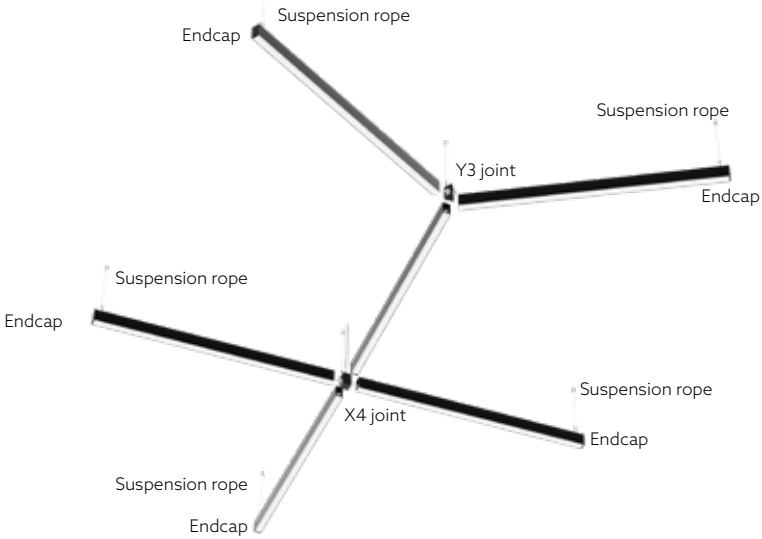
X3 joint

X2 joint



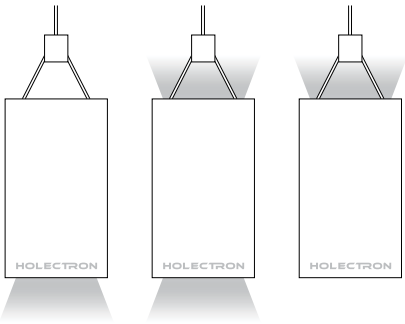
Y3 joint

Y2 joint



Direct. Indirect. Or both?

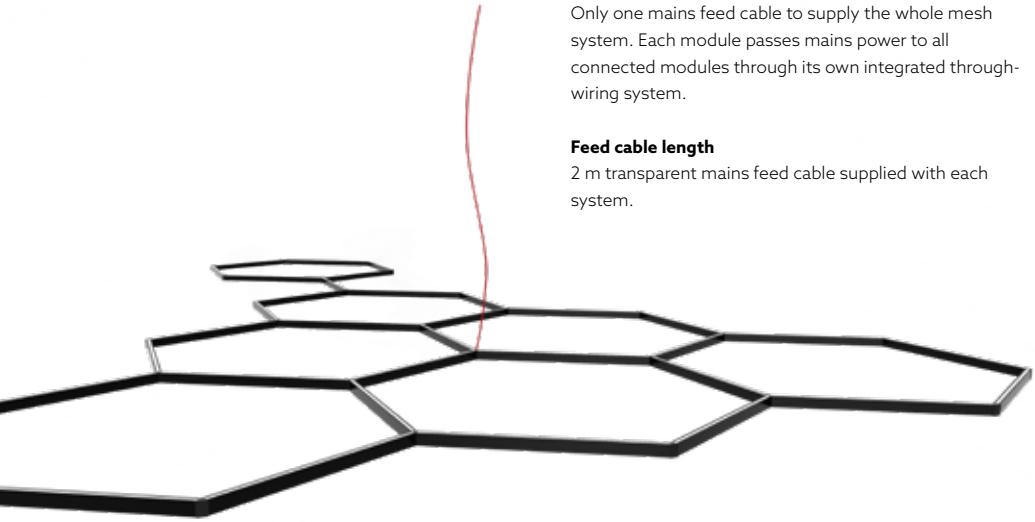
Mesh system offers direct, Indirect and Direct/Indirect modules that can be combined together in a single Mesh system



Single feed cable

Only one mains feed cable to supply the whole mesh system. Each module passes mains power to all connected modules through its own integrated through-wiring system.

Feed cable length
2 m transparent mains feed cable supplied with each system.



Neman Shape

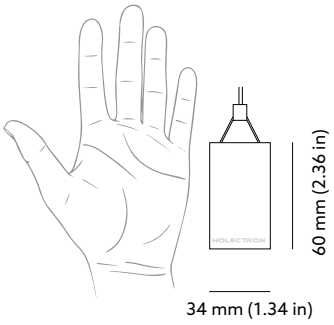
INDOOR
LUMINAIRE

Professional & Elegant

Lighting is fundamental in shaping the way we experience and interact with spaces. Neman Shape offers different lighting modes - both to improve comfort and create unique experiences.

Create a relaxing atmosphere and enhance your spaces with Neman Shapes. Eye-catching geometric shapes – triangles, squares and hexagons will fill the room with soft uniform light. The Shapes combine function and form in a design fitting for both classic and modern settings. Neman Shape luminaires are perfectly suited for use in retail stores, offices, restaurants as well as living spaces. Made in Europe using materials of the highest quality.

Technical Drawing



Technical details

Light output

Low output:	1300 lm/m
Standard output:	2000 lm/m

Spectrum

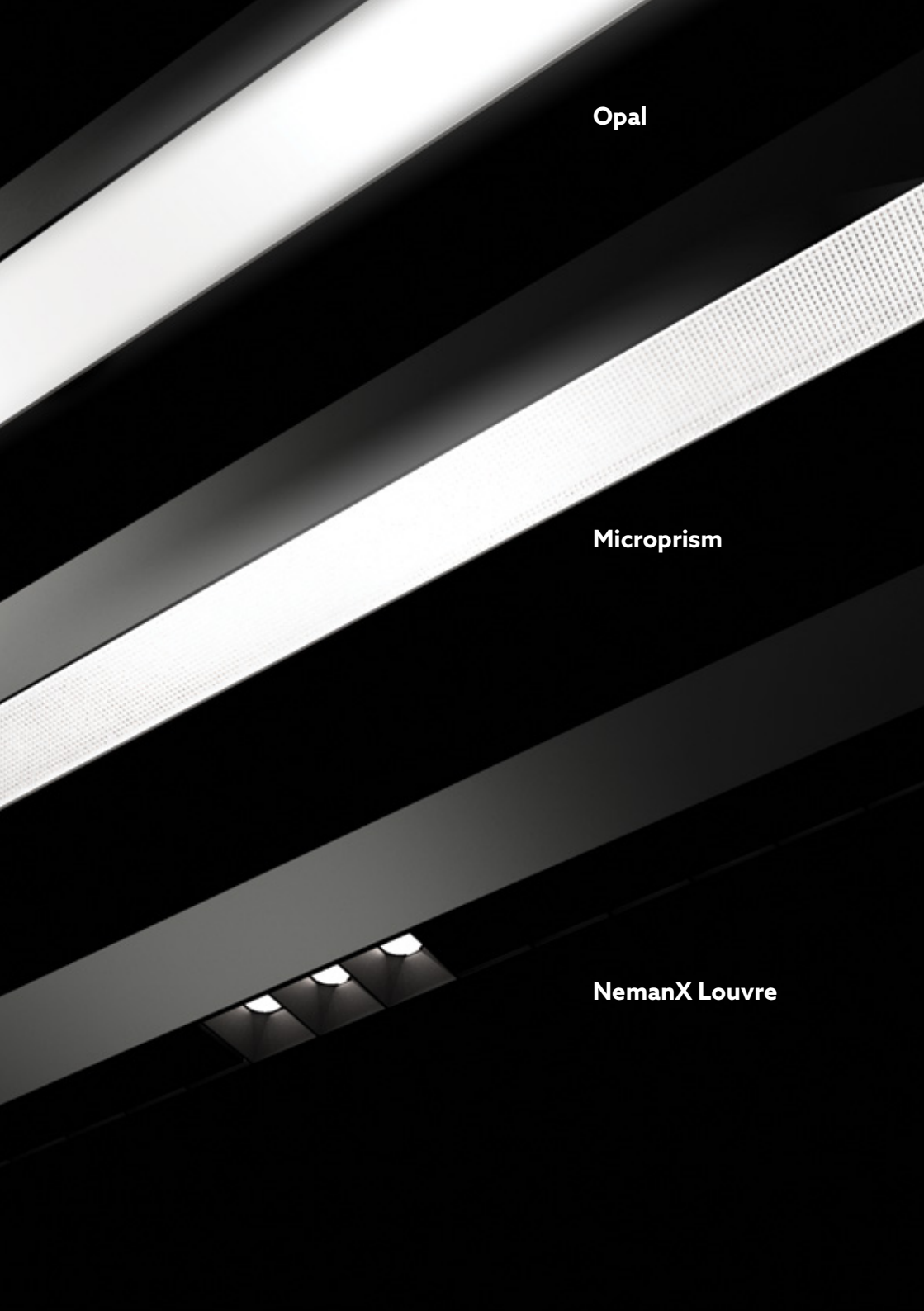
Static white:	2700K / 3000K / 3500K / 4000 K CRI80+ / CR90+ / CRI95+
Tunable white:	2700-6500K / Custom CCT

Range
CRI80+ / CR90+ / CRI95+

Optics
NemanX Louvre / Microprism / Opal

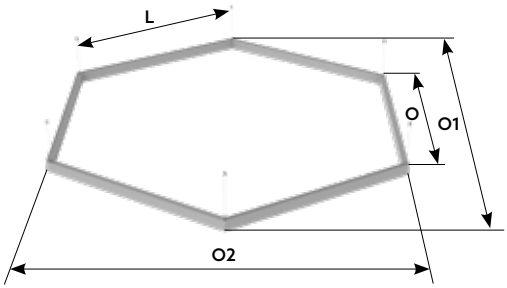
Feed cable
Single lead cable per Neman Shape luminaire

Profile color:
Black, gray, white


Opal
Microprism
NemanX Louvre

Sizes and Dimensions

Possibility to choose from 3 geometric shapes which can be in any size from 560mm to 3080mm

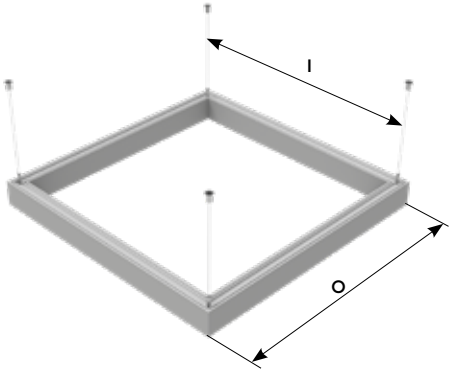


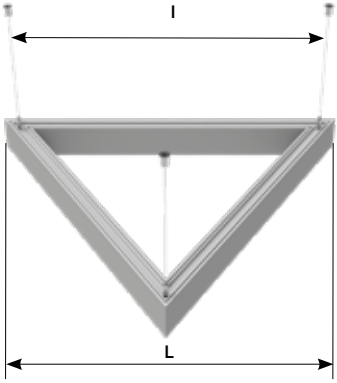
Hexagon

Length, mm	O, mm	O1, mm	O2, mm	L, mm
840	867	1734	1501.69	1671.04
1400	1427	2854	2417.11	2791.04
1400	1427	2854	2417.11	2791.04
1680	1707	3414	2956.61	3351.04
1960	1987	3974	3441.59	3911.04
2240	2267	4534	3926.56	4471.04
2520	2547	5094	4411.53	5031.04
2800	2827	5654	4896.51	5591.04
3080	3107	6214	5381.48	6151.04

Square

Length, mm	O, mm	I, mm
840	885	832.5
1120	1165	1112.5
1400	1445	1392.5
1680	1725	1672.5
1960	2005	1952.5
2240	2285	2232.5
2520	2565	2512.5
2800	2845	2792.5
3080	3125	3072.5





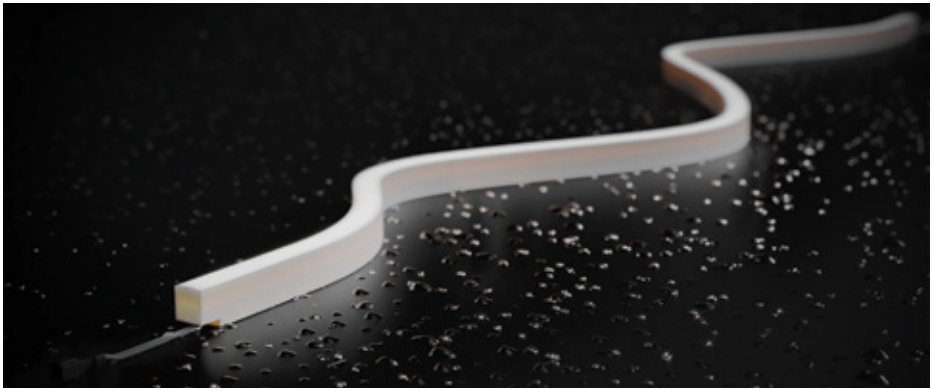
Triangle

Length, mm	O, mm	I, mm
840	916	819.72
1120	1196	1099.72
1400	1476	1379.72
1680	1756	1659.72
1960	2036	1939.72
2240	2316	2219.72
2520	2596	2499.72
2800	2876	2779.72
3080	3156	3059.72

Atlantis

OUTDOOR
LED LINE

One way to bend the rules



Atlantis Side

Our Atlantis Side bendable IP67 LED lines have been designed for outdoor lighting projects that need a creative and flexible lighting solution. With flexible polyurethane housing, the Atlantis can adjust to the organic geometry of building facades and structures while ensuring a uniform light effect. Fully encapsulated and protected from the elements, these high quality LED strips are built for long-term professional applications.

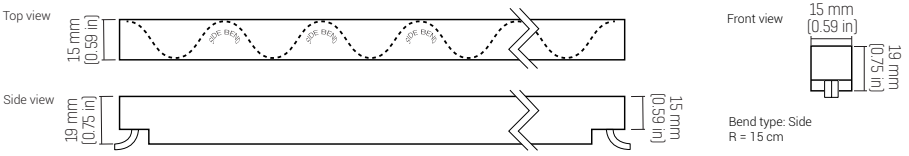
Technical Data

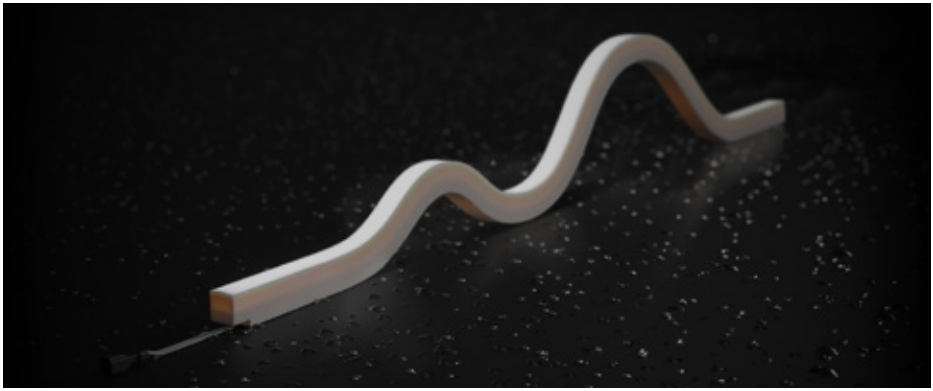
LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Cutting step	62,5 mm	2.46 in
Height	19 mm	0.75 in
Width	15 mm	0.59 in
Bend radius	Rmin= 15cm	Rmin = 5.91 in
Light output ratio (LOR)	65%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	120°	
Dimmable	YES	

Maximum Length

4W	5 m	16'
9W	5 m	16'
14W	4.5 m	15'

Technical Drawing





Atlantis Top

Suitable for lighting uneven outdoor surfaces such as coves, pillars and rounded edges, the Atlantis Top is a flexible LED line that is versatile and robust. This LED line has been specially designed for professional decorative outdoor lighting applications. It has an IP67 rating for ingress protection and is completely protected against solid particles and water. The Atlantis Top is salt and solvent-proof and fully UV resistant. This flexible and ruggedized LED line is popular with lighting designers for decorative and direct lighting both outdoors and indoors.

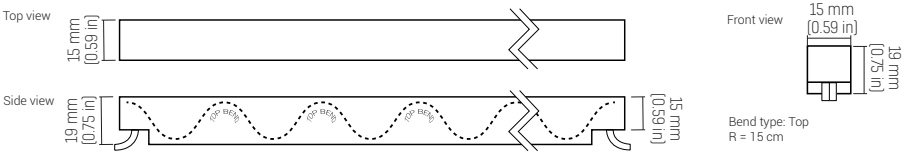
Technical Data

LEDs per meter	112 LEDs/m	34 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Cutting step	62,5 mm	2.46 in
Height	19 mm	0.75 in
Width	15 mm	0.59 in
Bend radius	Rmin=15cm	Rmin = 5.91 in
Light output ratio (LOR)	65%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	115°	
Dimmable	YES	

Maximum length

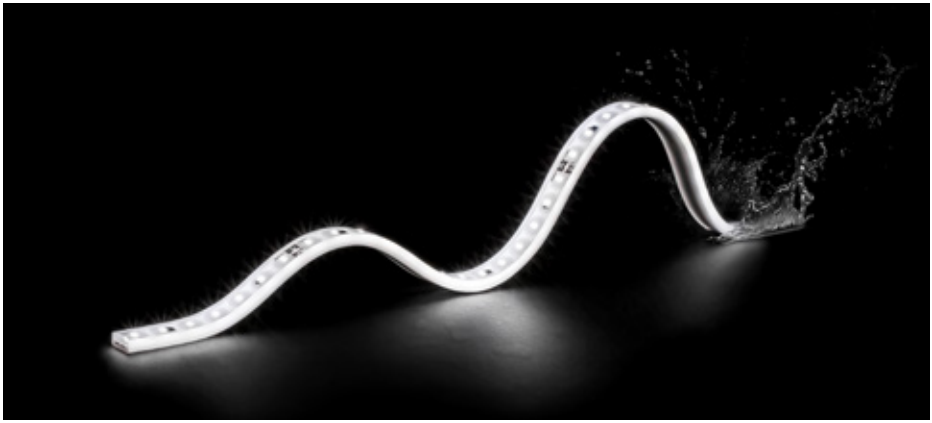
4W	5 m	16'
9W	5 m	16'
14W	4,5 m	15'

Technical Drawing



Aqua

OUTDOOR
LED LINE



Aqua

Wraps around one's little finger Literally.

This waterproof IP67 LED line is small, tough and incredibly flexible. It has a small bend radius, making it perfectly suited to decorative, cove and edge lighting both outdoors and in wet indoor locations like bathrooms and pool areas. It can even handle curved surfaces.

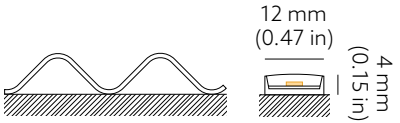
The Aqua is fitted with the highest quality materials for excellent durability. It features NICHIA LEDs made in Japan, and a current stabilization system. The housing is waterproof, UV resistant, and salt and solvent proof. It is very easy to mount and clean, and does not attract dust or dirt.

Its small size and bend radius combined with a ruggedized design make this a reliable and versatile long-term choice for creative outdoor lighting.

Technical Data

LEDs per meter	56 LEDs/m	17 LEDs/ft
Voltage	24 VDC (22.5 - 25 VDC)	
Cutting step	125 mm	4.92 in
Height	4 mm	0.15 in
Width	12 mm	0.47 in
Bend radius	Rmin=10cm	Rmin = 3.94 in
Light output ratio (LOR)	76%	
TC temperature	<75° C	<167° F
Operating temperature	-25°C...+50°C	-13°F...122°F
Beam angle	112°	
Dimmable	YES	

Technical Drawing



HOLECTRON

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About Holectron

Holectron company, located in Vilnius, Lithuania, owns two factories where flexible LED strips, various light sources and luminaires for indoor and outdoor applications are manufactured. The modern manufacturing facility includes R&D department, SMT assembling lines, metal processing, encapsulation stations, photometric laboratory and testing area.

At Holectron, we aim to be flexible on everything – except quality. In each of our products we use only highest quality materials from reliable suppliers and amost all of our products comes with 5-year warranty.

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