

Opaline H-Line L IP67

IP67-rated white LED luminaire



Opaline H-Line L is a modular linear LED light with a clear cover designed for long-term outdoor professional lighting applications.

These waterproof modular LED lights are fitted with the highest quality NICHIA LEDs, with a wide range of Colour Rendering Index (CRI) and Colour Temperature (CCT) options from which to choose.

NICHIA LEDs guarantee the highest quality lighting and super-high efficacy. This LED strip is available with 3-step MacAdam or Single Bin LEDs.

Each module has integrated connectors for easy and reliable connection to other modules. The connectors are hidden inside the modules allowing the segments to be connected in a seamless line.

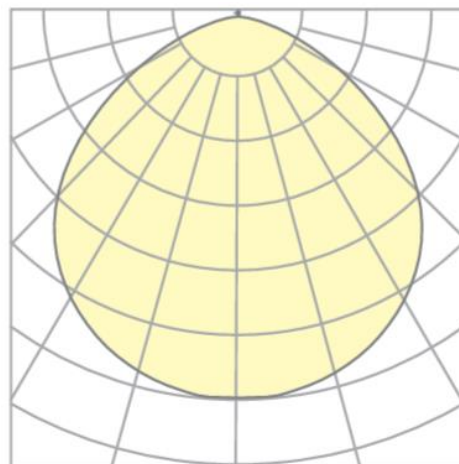
Key features

- Waterproof IP67 LED line for outdoor continuous line lighting applications
- Aluminium housing with integrated hidden connectors and crystal-clear encapsulation
- UV resistant
- 24V DC voltage input
- 3-step MacAdam or Single Bin LEDs
- Dimmable
- Highest quality components including Nichia LED chips
- High CRI 90+
- Stabilized current design with reverse voltage protection

Applications

- Outdoor edge lighting
- Outdoor decorative lighting
- Outdoor cove lighting

Photometrics

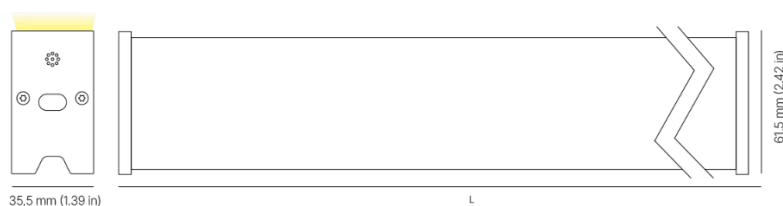


Specification – White

Product	Power	Voltage	CRI	CCT	Lumens / m	Efficacy	Max run
AH-L-EO-100-20-N5-920-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	2000K	812 Lm/m	42 Lm/W	5.5 m
AH-L-EO-100-20-N5-922-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	2200K	878 Lm/m	46 Lm/W	5.5 m
AH-L-EO-100-20-N5-925-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	2500K	953 Lm/m	50 Lm/W	5.5 m
AH-L-EO-100-20-N5-927-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	2700K	1354 Lm/m	70 Lm/W	5.5 m
AH-L-EO-100-20-N5-930-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	3000K	1423 Lm/m	74 Lm/W	5.5 m
AH-L-EO-100-20-N5-935-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	3500K	1459 Lm/m	76 Lm/W	5.5 m
AH-L-EO-100-20-N5-940-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	4000K	1479 Lm/m	77 Lm/W	5.5 m
AH-L-EO-100-20-N5-950-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	5000K	1488 Lm/m	77 Lm/W	5.5 m
AH-L-EO-100-20-N5-957-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	5700K	1435 Lm/m	75 Lm/W	5.5 m
AH-L-EO-100-20-N5-965-AG-IP-LEC-1000	19.2 W/m	24 V	CRI 90+	6500K	1435 Lm/m	75 Lm/W	5.5 m
AH-L-EO-100-25-N5-920-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	2000K	1002 Lm/m	42 Lm/W	4.5 m
AH-L-EO-100-25-N5-922-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	2200K	1084 Lm/m	45 Lm/W	4.5 m
AH-L-EO-100-25-N5-925-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	2500K	1176 Lm/m	49 Lm/W	4.5 m
AH-L-EO-100-25-N5-927-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	2700K	1677 Lm/m	70 Lm/W	4.5 m
AH-L-EO-100-25-N5-930-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	3000K	1762 Lm/m	73 Lm/W	4.5 m
AH-L-EO-100-25-N5-935-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	3500K	1807 Lm/m	75 Lm/W	4.5 m
AH-L-EO-100-25-N5-940-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	4000K	1832 Lm/m	76 Lm/W	4.5 m
AH-L-EO-100-25-N5-950-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	5000K	1844 Lm/m	77 Lm/W	4.5 m
AH-L-EO-100-25-N5-957-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	5700K	1779 Lm/m	74 Lm/W	4.5 m
AH-L-EO-100-25-N5-965-AG-IP-LEC-1000	24.0 W/m	24 V	CRI 90+	6500K	1779 Lm/m	74 Lm/W	4.5 m
AH-L-EO-100-35-N5-920-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	2000K	1366 Lm/m	41 Lm/W	3.5 m
AH-L-EO-100-35-N5-922-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	2200K	1478 Lm/m	44 Lm/W	3.5 m
AH-L-EO-100-35-N5-925-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	2500K	1604 Lm/m	48 Lm/W	3.5 m
AH-L-EO-100-35-N5-927-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	2700K	2306 Lm/m	69 Lm/W	3.5 m
AH-L-EO-100-35-N5-930-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	3000K	2423 Lm/m	72 Lm/W	3.5 m
AH-L-EO-100-35-N5-935-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	3500K	2485 Lm/m	74 Lm/W	3.5 m
AH-L-EO-100-35-N5-940-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	4000K	2520 Lm/m	75 Lm/W	3.5 m
AH-L-EO-100-35-N5-950-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	5000K	2539 Lm/m	76 Lm/W	3.5 m
AH-L-EO-100-35-N5-957-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	5700K	2449 Lm/m	73 Lm/W	3.5 m
AH-L-EO-100-35-N5-965-AG-IP-LEC-1000	33.6 W/m	24 V	CRI 90+	6500K	2449 Lm/m	73 Lm/W	3.5 m

Specifications are for an Anodized Grey (AG) Luminaire (L) with End Connection (E), that is 1000 mm long (1000).

Dimensions



Specification – Tuneable White

Product	CRI	CCT (warm)	CCT (cold)	Power	Lumens / m	Efficacy	Max run
AH-L-EO-100-20-N5-920-965-AG-IP-LEC-1000	CRI 90+	2000K	6500K	19.2 W/m	1076 lm/m	56 lm/W	4.5 m
AH-L-EO-100-20-N5-027-950-AG-IP-LEC-1000	CRI 90+	2700K	5000K	19.2 W/m	1038 lm/m	54 lm/W	4.5 m
AH-L-EO-100-35-N5-920-965-AG-IP-LEC-1000	CRI 95+	2000K	6500K	33.4 W/m	1782 lm/m	53 lm/W	3 m
AH-L-EO-100-35-N5-027-050-AG-IP-LEC-1000	CRI 95+	2700K	5000K	33.4 W/m	1692 lm/m	51 lm/W	3 m

Specifications are for an Anodized Grey (AG) Luminaire (L) with End Connection (E), that is 1000 mm long (1000).

Values shown are for maximum colour temperature range. Other ranges available on request.

Specification – RGB

Product	LEDs/m	Power	Voltage	Lumens / m	Efficacy	Max run
AH-L-EO-50-7-N5-RGB-AG-IP-LEC-1000	48 LEDs/m	7.2 W/m	24 V	157 lm/m	22 lm/W	9 m
AH-L-EO-50-12-N5-RGB-AG-IP-LEC-1000	48 LEDs/m	11.52 W/m	24 V	238 lm/m	21 lm/W	6.5 m
AH-L-EO-100-12-N5-RGB-AG-IP-LEC-1000	96 LEDs/m	11.52 W/m	24 V	238 lm/m	21 lm/W	9.5 m
AH-L-EO-100-15-N5-RGB-AG-IP-LEC-1000	96 LEDs/m	14.4 W/m	24 V	298 lm/m	21 lm/W	8 m
AH-L-EO-100-25-N5-RGB-AG-IP-LEC-1000	96 LEDs/m	23.0 W/m	24 V	477 lm/m	21 lm/W	5.5 m

Specifications are for an Anodized Grey (AG) Luminaire (L) with End Connection (E), that is 1000 mm long (1000).

Specification – RGBW

Product	CRI	CCT	Power	Lumens / m	Efficacy	Voltage	Max run
AH-L-EO-100-10-N5-RGB+922-AG-IP-LEC-1000	CRI 90+	2200K	9.6 W/m	254 Lm/m	27 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+925-AG-IP-LEC-1000	CRI 90+	2500K	9.6 W/m	262 Lm/m	27 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+927-AG-IP-LEC-1000	CRI 90+	2700K	9.6 W/m	306 Lm/m	32 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+930-AG-IP-LEC-1000	CRI 90+	3000K	9.6 W/m	313 Lm/m	33 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+935-AG-IP-LEC-1000	CRI 90+	3500K	9.6 W/m	317 Lm/m	33 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+940-AG-IP-LEC-1000	CRI 90+	4000K	9.6 W/m	319 Lm/m	33 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+950-AG-IP-LEC-1000	CRI 90+	5000K	9.6 W/m	320 Lm/m	33 Lm/W	24 V	8 m
AH-L-EO-100-10-N5-RGB+965-AG-IP-LEC-1000	CRI 90+	6500K	9.6 W/m	314 Lm/m	33 Lm/W	24 V	8 m
AH-L-EO-100-15-N5-RGB+922-AG-IP-LEC-1000	CRI 90+	2200K	14.4 W/m	369 Lm/m	26 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+925-AG-IP-LEC-1000	CRI 90+	2500K	14.4 W/m	381 Lm/m	26 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+927-AG-IP-LEC-1000	CRI 90+	2700K	14.4 W/m	445 Lm/m	31 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+930-AG-IP-LEC-1000	CRI 90+	3000K	14.4 W/m	457 Lm/m	32 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+935-AG-IP-LEC-1000	CRI 90+	3500K	14.4 W/m	463 Lm/m	32 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+940-AG-IP-LEC-1000	CRI 90+	4000K	14.4 W/m	466 Lm/m	32 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+950-AG-IP-LEC-1000	CRI 90+	5000K	14.4 W/m	467 Lm/m	32 Lm/W	24 V	7 m
AH-L-EO-100-15-N5-RGB+965-AG-IP-LEC-1000	CRI 90+	6500K	14.4 W/m	458 Lm/m	32 Lm/W	24 V	7 m
AH-L-EO-100-20-N5-RGB+922-AG-IP-LEC-1000	CRI 90+	2200K	19.2 W/m	542 Lm/m	28 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+925-AG-IP-LEC-1000	CRI 90+	2500K	19.2 W/m	568 Lm/m	30 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+927-AG-IP-LEC-1000	CRI 90+	2700K	19.2 W/m	705 Lm/m	37 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+930-AG-IP-LEC-1000	CRI 90+	3000K	19.2 W/m	729 Lm/m	38 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+935-AG-IP-LEC-1000	CRI 90+	3500K	19.2 W/m	742 Lm/m	39 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+940-AG-IP-LEC-1000	CRI 90+	4000K	19.2 W/m	748 Lm/m	39 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+950-AG-IP-LEC-1000	CRI 90+	5000K	19.2 W/m	751 Lm/m	39 Lm/W	24 V	5.5 m
AH-L-EO-100-20-N5-RGB+965-AG-IP-LEC-1000	CRI 90+	6500K	19.2 W/m	733 Lm/m	38 Lm/W	24 V	5.5 m
AH-L-EO-100-25-N5-RGB+922-AG-IP-LEC-1000	CRI 90+	2200K	24.0 W/m	720 Lm/m	30 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+925-AG-IP-LEC-1000	CRI 90+	2500K	24.0 W/m	760 Lm/m	32 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+927-AG-IP-LEC-1000	CRI 90+	2700K	24.0 W/m	984 Lm/m	41 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+930-AG-IP-LEC-1000	CRI 90+	3000K	24.0 W/m	1022 Lm/m	43 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+935-AG-IP-LEC-1000	CRI 90+	3500K	24.0 W/m	1042 Lm/m	43 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+940-AG-IP-LEC-1000	CRI 90+	4000K	24.0 W/m	1053 Lm/m	44 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+950-AG-IP-LEC-1000	CRI 90+	5000K	24.0 W/m	1058 Lm/m	44 Lm/W	24 V	5 m
AH-L-EO-100-25-N5-RGB+965-AG-IP-LEC-1000	CRI 90+	6500K	24.0 W/m	1029 Lm/m	43 Lm/W	24 V	5 m

Fitting options

Housing colour (AH-S-EO-50-10-N5-920-**AG**-LEC-1000)

Anodized grey (AG)

Powder coated white (WH)*

Powder coated black (BK)*

* Powder coated options only available on request.

Segment layout (AH-S-EO-50-10-N5-920-AG-LEC-1000)

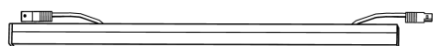
Individual Luminaire

A standalone luminaire (L) with a power connector and endcaps on both ends.



Continuous line

Used to create a continuous line of light with a start module (S), one or more middle modules (M) and an end module (E).



Start module (S) with two connectors and endcap at the start



Middle module (M) with two connectors and no endcaps



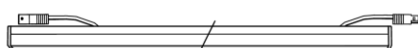
End module (E) with one connector and an endcap at the end

Full module

A full module (F) with two connectors and two endcaps. Creates non-continuous lengths of light as the endcaps are visible.



Full module (F)



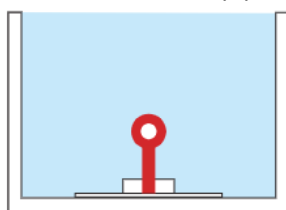
Full module (F)



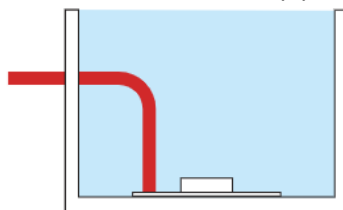
Luminaire (L)
or full module (F)

Connection type (AH-S-EO-50-10-N5-920-AG-LEC-1000)

End exit wire (E)



Side exit wire (S)



Back exit wire (B)

