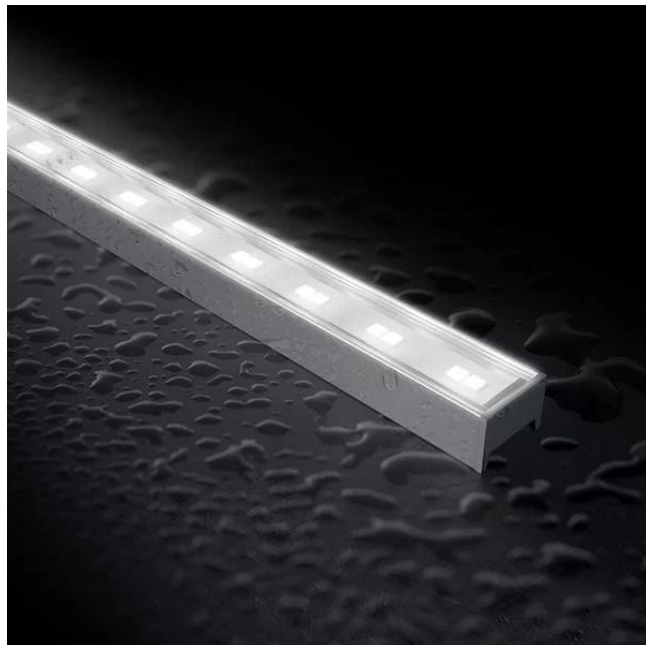


Opaline H-Line S IP67

IP67-rated white LED luminaire



Opaline H-Line S 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.

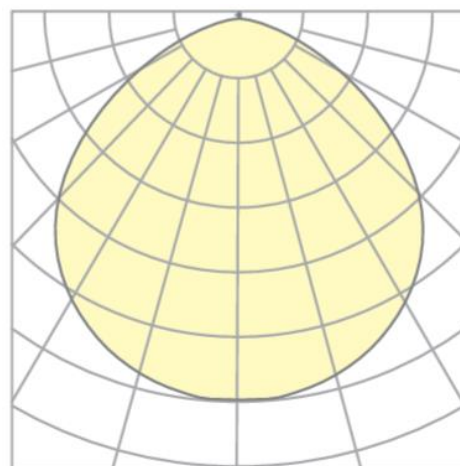
Key features

- 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	Output	Efficacy	Max run
AH-S-EO-50-5-N5-920-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	2000K	280 Lm/m	58 Lm/W	13 m
AH-S-EO-50-5-N5-922-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	2200K	303 Lm/m	63 Lm/W	13 m
AH-S-EO-50-5-N5-9250-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	2500K	329 Lm/m	69 Lm/W	13 m
AH-S-EO-50-5-N5-927-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	2700K	464 Lm/m	97 Lm/W	13 m
AH-S-EO-50-5-N5-930-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	3000K	487 Lm/m	101 Lm/W	13 m
AH-S-EO-50-5-N5-935-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	3500K	499 Lm/m	104 Lm/W	13 m
AH-S-EO-50-5-N5-940-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	4000K	506 Lm/m	105 Lm/W	13 m
AH-S-EO-50-5-N5-950-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	5000K	508 Lm/m	106 Lm/W	13 m
AH-S-EO-50-5-N5-957-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	5700K	490 Lm/m	102 Lm/W	13 m
AH-S-EO-50-5-N5-965-AG-IP-LEC-1000	4.8 W/m	24 V	CRI 90+	6500K	490 Lm/m	102 Lm/W	13 m
AH-S-EO-50-10-N5-920-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	2000K	546 Lm/m	57 Lm/W	7.5 m
AH-S-EO-50-10-N5-922-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	2200K	590 Lm/m	61 Lm/W	7.5 m
AH-S-EO-50-10-N5-925-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	2500K	640 Lm/m	67 Lm/W	7.5 m
AH-S-EO-50-10-N5-927-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	2700K	910 Lm/m	95 Lm/W	7.5 m
AH-S-EO-50-10-N5-930-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	3000K	956 Lm/m	100 Lm/W	7.5 m
AH-S-EO-50-10-N5-935-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	3500K	980 Lm/m	102 Lm/W	7.5 m
AH-S-EO-50-10-N5-940-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	4000K	994 Lm/m	104 Lm/W	7.5 m
AH-S-EO-50-10-N5-950-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	5000K	1000 Lm/m	104 Lm/W	7.5 m
AH-S-EO-50-10-N5-957-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	5700K	964 Lm/m	100 Lm/W	7.5 m
AH-S-EO-50-10-N5-965-AG-IP-LEC-1000	9.6 W/m	24 V	CRI 90+	6500K	964 Lm/m	100 Lm/W	7.5 m
AH-S-EO-50-15-N5-920-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	2000K	798 Lm/m	55 Lm/W	6 m
AH-S-EO-50-15-N5-922-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	2200K	863 Lm/m	60 Lm/W	6 m
AH-S-EO-50-15-N5-925-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	2500K	936 Lm/m	65 Lm/W	6 m
AH-S-EO-50-15-N5-927-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	2700K	1341 Lm/m	93 Lm/W	6 m
AH-S-EO-50-15-N5-930-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	3000K	1409 Lm/m	98 Lm/W	6 m
AH-S-EO-50-15-N5-935-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	3500K	1445 Lm/m	100 Lm/W	6 m
AH-S-EO-50-15-N5-940-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	4000K	1465 Lm/m	102 Lm/W	6 m
AH-S-EO-50-15-N5-950-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	5000K	1475 Lm/m	102 Lm/W	6 m
AH-S-EO-50-15-N5-957-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	5700K	1423 Lm/m	99 Lm/W	6 m
AH-S-EO-50-15-N5-965-AG-IP-LEC-1000	14.4 W/m	24 V	CRI 90+	6500K	1423 Lm/m	99 Lm/W	6 m

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

Dimensions



Specification - White

Product	Power	Voltage	CRI	CCT	Output	Efficacy	Max run
AH-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-20-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-25-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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-S-EO-50-35-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).

Specification – Tuneable White

Product	CRI (warm)	CCT (warm)	CRI (cold)	CCT (cold)	Power	Lumens / metre	Efficacy	Max run
AH-L-EO-50-10-N5-820-865-AG-EBC-1000	CRI 80+	2000K	CRI 80+	6500K	9.6 W/m	793 Lm/m	83 Lm/W	6.5m
AH-L-EO-50-10-N5-920-965-AG-EBC-1000	CRI 90+	2000K	CRI 90+	6500K	9.6 W/m	676 Lm/m	70 Lm/W	6.5m
AH-L-EO-50-10-N5-027-050-AG-EBC-1000	CRI 95+	2700K	CRI 95+	5000K	9.6 W/m	646 Lm/m	67 Lm/W	6.5m

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	Lumens / m	Efficacy	Voltage	Max run
AH-L-EO-50-12-N5-RGB-AG-EBC-1000	48 LEDs/m	11.52 W/m	306 Lm/m	27 Lm/W	24 V	6.5 m
AH-L-EO-50-7-N5-RGB-AG-EBC-1000	48 LEDs/m	7.2 W/m	201 Lm/m	28 Lm/W	24 V	9 m
AH-L-EO-100-12-N5-RGB-AG-EBC-1000	96 LEDs/m	11.52 W/m	306 Lm/m	27 Lm/W	24 V	9.5 m
AH-L-EO-100-15-N5-RGB-AG-EBC-1000	96 LEDs/m	14.4 W/m	382 Lm/m	27 Lm/W	24 V	8 m
AH-L-EO-100-25-N5-RGB-AG-EBC-1000	96 LEDs/m	23.0 W/m	613 Lm/m	27 Lm/W	24 V	5.5 m

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

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)

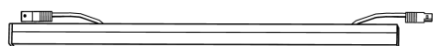
Individual Luminaire

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



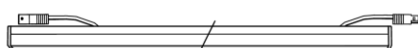
End module (E) with one connector and an endcap at the end

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)



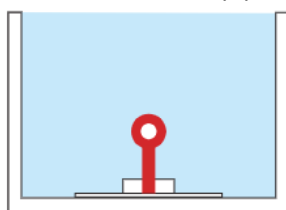
Full module (F)



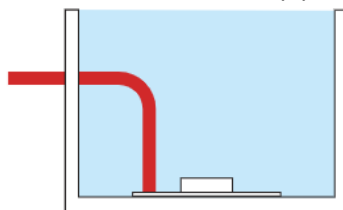
Luminaire (L)
or full module (F)

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

End exit wire (E)



Side exit wire (S)



Back exit wire (B)

