BION TECHNOLOGIES

linea xs hp
pureWhite

The **linea xs** is an impressive low-voltage member of the **linea family** of linear façade luminaires. It not only offers the usual high lighting technology and versatility in beam angles but also expands these with additional options such as integrable linear louvers or honeycomb louvers, which enable optimal glare control.

The innovative **one-block design** ensures that the housing is made from a single piece, minimizing the number of sealing surfaces and thus reducing potential weak points in the construction.

The use of high-quality materials such as highly refined extruded aluminum profiles and low-iron, pre-stressed glass ensures a long lifespan for the luminaire, even under challenging conditions.

Dimensions

Metric:
324 mm, 477 mm, 629 mm, 782 mm, 934 mm, 1087 mm, 1239 mm (X)
46 mm (Y)
57 mm (Z)
Imperial
12.76 in, 18.78 in, 24.77 in, 30.79 in, 36.78 in, 42.80 in, 48.78 in (X)
1.82 Inch (Y)
2.25 Inch (Z)

Technical Data

Luminous color	2200 K, 2700 K, 3000 K, 3500 K, 4000 K
Luminous flux	324 mm | 12.76 in → max. 876 lm
	477 mm | 18.78 in → max. 1314 lm
	629 mm | 24.77 in → max. 1752 lm
	782 mm | 30.79 in → max. 2190 lm
	934 mm | 36.78 in → max. 2628 lm
	1087 mm | 42.80 in → max. 3066 lm
	1239 mm | 48.78 in → max. 3504 lm
Number of LED(s)	324 mm | 12.76 in → 8 LEDs
	477 mm | 18.78 in → 12 LEDs
	629 mm | 24.77 in → 16 LEDs
	782 mm | 30.79 in → 20 LEDs
	934 mm | 36.78 in → 24 LEDs
	1087 mm | 42.80 in → 28 LEDs
	1239 mm | 48.78 in → 32 LEDs
Glare Protection	No Glare Protection, Honeycomb louver (internal, 6,4mm), Linear louver (internal)
Dimming	Integrated interface(s) / control: NDIMtc, 0-10 V, DMX
	External operating device, e.g. DALI, DMX
Housing	Extruded aluminium profile
Housing color	Aluminium anodized, Black anodized
Lens	Ultra clear, tempered safety glass
Weight	324 mm | 12.76 in → 1.5 kg | 3.4 lb
	629 mm | 24.77 in → 2.1 kg | 4.7 lb
	934 mm | 36.78 in → 3.2 kg | 7.1 lb
	1239 mm | 48.78 in → 4.4 kg | 9.8 lb
	The weight of the fixture can vary depending on the configuration!
Environment	Indoor, Outdoor
Ingress protection rating	IP66
Humidity	0 to 95%, non-condensing
Ambient temperature (Operation)	-40 °C to 40 °C | -40 °F to 104 °F
Ambient temperature (Storage)	-40 °C to 80 °C | -40 °F to 176 °F
Ambient temperature (Start-up process)	-25 °C to 40 °C | -13 °F to 104 °F
Lumen Maintenance [L70] @ 25 °C	65,000 h
Lumen Maintenance [L70] @ 40 °C	40,000 h
Impact protection rating	IK08
Electrical data	
Integrated interface(s) / control: NDIMtc, 0-10 V, DMX	
Constant voltage	36 V
Power Consumption	
	324 mm | 12.76 in → 14 W
	477 mm | 18.78 in → 21 W

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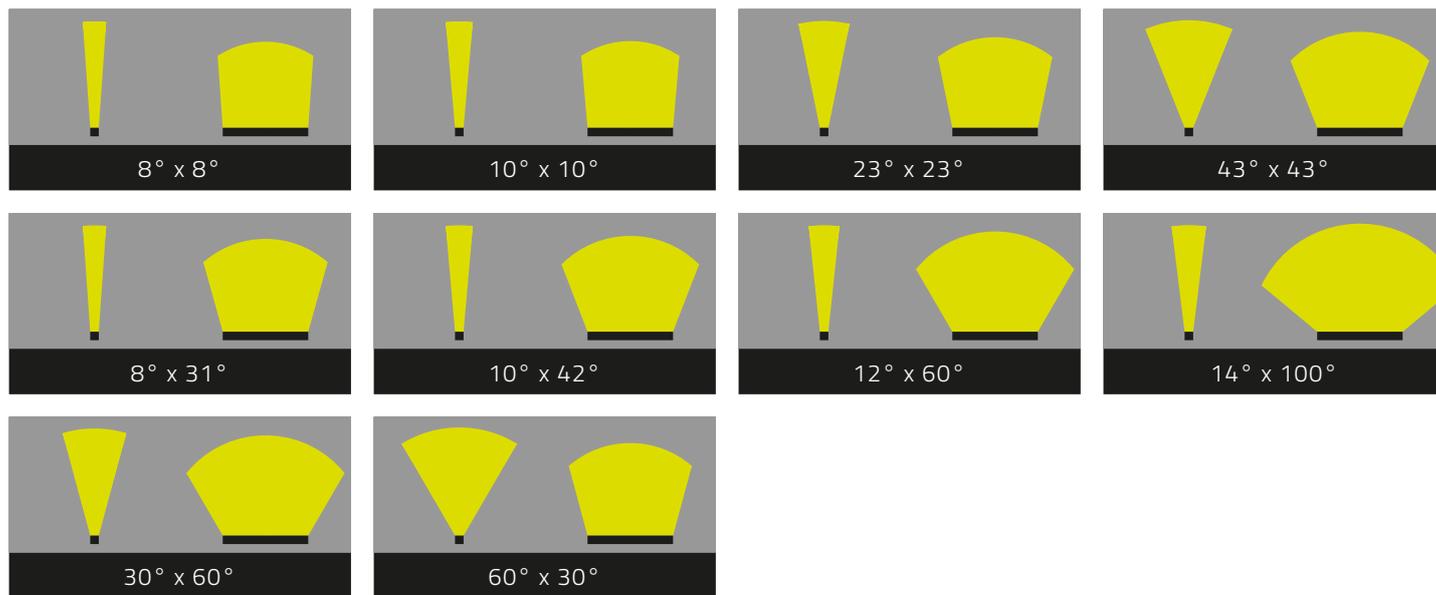|	
629 mm | 24.77 in → 28 W	
782 mm | 30.79 in → 35 W	
934 mm | 36.78 in → 42 W	
1087 mm | 42.80 in → 49 W	
1239 mm | 48.78 in → 56 W	
Protection class	III
External operating device, e.g. DALI, DMX	
Constant current	500 mA
Power Consumption	
324 mm | 12.76 in → 15 W | 31 VDC	
477 mm | 18.78 in → 21 W | 43 VDC	
629 mm | 24.77 in → 27 W | 54 VDC	
782 mm | 30.79 in → 33 W | 66 VDC	
934 mm | 36.78 in → 39 W | 77 VDC	
1087 mm | 42.80 in → 44 W | 89 VDC	
1239 mm | 48.78 in → 50 W | 101 VDC	
Protection class	II
LED-Class	Class 2 LED-Product
Approbation	CE, ETL, FCC

Designed and Developed in Bavaria.
Made in Germany.

Beam Angles

8° x 8°	10° x 10°
23° x 23°	43° x 43°
8° x 31°	10° x 42°
12° x 60°	14° x 100°
30° x 60°	60° x 30°

Accessories

	linea xs / xc leader cable

	linea xs/xc jumper cable

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Configurator

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

LIN-XS-HP - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____

⑪

- _____ -Y01

① Luminous color

PW8322	pW 2200 K / 3 SDCM / CRI > 80
PW8327	pW 2700 K / 3 SDCM / CRI > 80
PW8330	pW 3000 K / 3 SDCM / CRI > 80
PW8335	pW 3500 K / 3 SDCM / CRI > 80
PW8340	pW 4000 K / 3 SDCM / CRI > 80

② Dimming

NDIMTC	NDIMtc
010V	0-10 V
DMX	DMX
EXT	External operating device, e.g. DALI, DMX

③ Dimension

324	324 mm / 12.76 in
477	477 mm / 18.78 in
629	629 mm / 24.76 in
782	782 mm / 30.79 in
934	934 mm / 36.77 in
1087	1087 mm / 42.80 in
1239	1239 mm / 48.78 in

④ Beam Angle

8X8	8° x 8°
10X10	10° x 10°
23X23	23° x 23°
43X43	43° x 43°
8X31	8° x 31°
10X42	10° x 42°
12X60	12° x 60°
14X100	14° x 100°
30X60	30° x 60°
60X30	60° x 30°

⑤ Housing color

| AA | Aluminium anodized |
| BA | Black anodized |

⑥ Glare Protection

OP	No Glare Protection
HL64	Honeycomb louver (internal, 6,4mm)
LL0	Linear louver (internal)

⑦ Approbation

| CE | European Union |
| ETL | North America |

⑧ Wiring configuration

IOCC	IN/OUT with Connector
IXCX	only IN with Connector
IOOO	IN/OUT with open ends
IOOC	IN open end / OUT socket
IXOX	only IN with open ends

⑨ Luminaire circuit

PD	Power-Data
C1	Circuit 1
C2	Circuit 2

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10	Leader cable length
ETE	End to end – Leader length
003	30 cm (11.8 in) leader cable
006	60 cm (23.6 in) leader cable
009	90 cm (35.4 in) leader cable
012	1,2 m (47.2 in) leader cable
015	1,5 m (59 in) leader cable

11	Mounting
BS	Universal mounting bracket
FX015	Fix 0° –15°, SW 5°
ND	without bracket

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