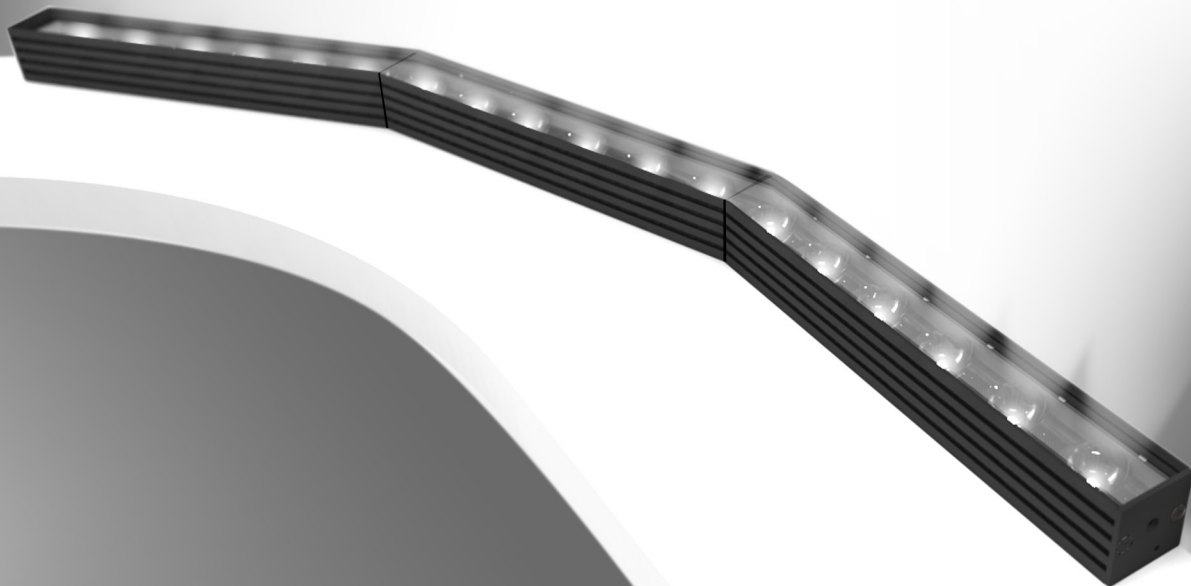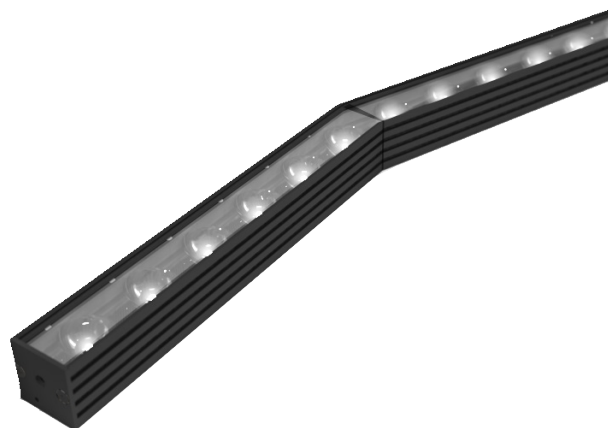# HORIZON FLEX
CURVABLE LINEAR LED

HORIZON FLEX
CURVABLE LINEAR LED

CHARACTERISTICS
Compact yet very effective, HORIZON FLEX is a curvable linear LED system made of high-grade extruded aluminum. It is available with optics and lenses that provide incomparable control of light intensity and quantity. HORIZON FLEX is totally customizable and a perfect response to the specific needs of commercial, institutional, and private spaces. The increments allow you to curve on-site the HORIZON FLEX, for no visible light interruption. It can be used to reinterpret its environment with surface grazing with a long throw (up to 20 feet), edge lighting, or suspended fixtures.

APPLICATIONS

ELECTRICAL

INPUT
3W/ft, 5W/ft, 7.5W/ft, 8W/ft, 10W/ft, 12W/ft.

REMOTE POWER SUPPLY
12V: Eklipse PSB-12-60.
24V: Eklipse PSB-24-100.

DIMMING POWER SUPPLY
12V: Eklipse LM-12-60.
24V: Eklipse LM-24-100.

WIRING
48" length (1.2 m) - 20 AWG wire lead with WAGO quick connector. *

THERMAL CONTROL
Through constant thermal monitoring and current control, Eklipse intelligent board technology (IBT) maintains optimal light levels and operating temperature preventing harmful overheating by self adjusting to its environment.

PHYSICAL

CONSTRUCTION
High thermal conductive extruded aluminium.

LIGHT ENGINE
12V: increments of 4" and 8" (102 mm and 203 mm).
24V: increments of 4" and 8" (102 mm and 203 mm).

FINISH
Anodized black, anodized clear or painted white. *

SOURCE AND OPTICS

LIGHT SOURCE
High power linear LEDs or mid power linear LEDs.

LIGHT TEMPERATURE
2700K, 3000K, 3500K, 4000K. *
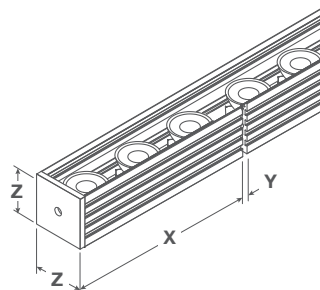
CRI
85 (typical).

HIGH CRI
95 (typical).

OPTICS
7°, 11°, 28°, 42°, 8°x52°.

EKLIPSE HORIZON FLEX - V2019 / 9 - EN - SPECIFICATION **2**

* Available for tailor-made application. Please contact your Eklipse representative for further informations.

HORIZON FLEX
CURVABLE LINEAR LED

NOMINAL DIMENSIONS

X Increments of 4" or 8"
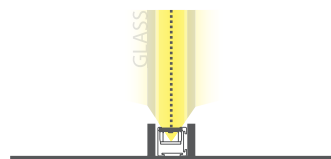(101 or 203 mm).

Y 0.150" (3.81 mm)

Z 1.125" (28.57 mm)

Nominal dimensions do not
include mounting options.

APPLICATIONS

SURFACE GRAZING
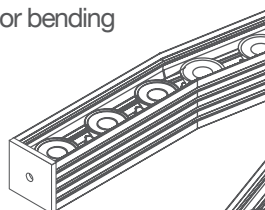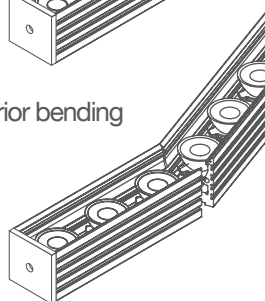
EDGE LIGHTING

BEND

Interior bending

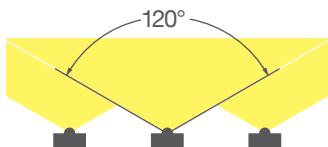Exterior bending

MINIMUM CURVE RADIUS

INCREMENTS
4"   **8"**

MINIMUM
approximative
curve radius
50"

MINIMUM
approximative
curve radius
100"

HORIZON FLEX
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WIDE

120°
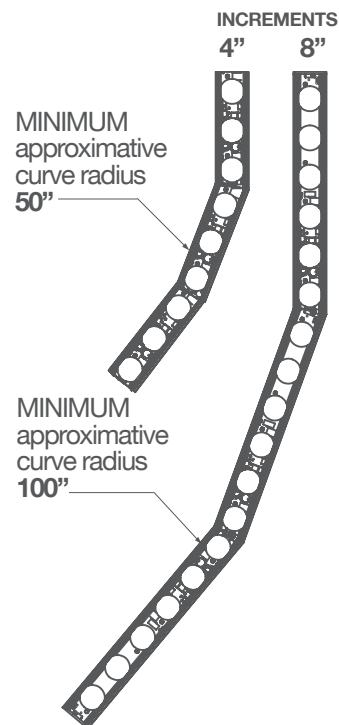
The Wide light engine offers a wider beam for spread effect of large surface.

INCREMENTS AND VOLTAGE
The Wide light engine is available in increments of 4 and 8 inches. This means that you can order your fixture in 4 or 8 inch multiples to a maximum length of 72 inches.

The Wide light engine runs at 12 volts when using 4 inch increments and runs at 24 volts when using 8 inch increments.

Choosing a increment will affect the minimum curve radius of the HORIZON FLEX. For a smaller radius, use the smallest increment:

INCREMENT	MIN. CURVE RADIUS	VOLTAGE
4 inches	50 inches	12 volts
8 inches	100 inches	12 volts
8 inches	100 inches	24 volts

MILD BLEND

120°

The Mild Blend offers a large beam and smaller distance between LEDs reducing spotting effect.
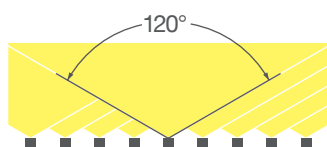
INCREMENTS AND VOLTAGE
The Mild Blend light engine is available in increments of 4 and 8 inches. This means that you can order your fixture in 4 or 8 inch multiples to a maximum length of 72 inches.

No matter what increment you choose, the Mild Blend light engine runs at 24 volts.

Choosing a increment will affect the minimum curve radius of the HORIZON FLEX. For a smaller radius, use the smallest increment:

INCREMENT	MIN. CURVE RADIUS	VOLTAGE
4 inches	50 inches	24 volts
8 inches	100 inches	24 volts

PERFECT BLEND

120°

The Perfect Blend offers a large beam and no distance between LEDs almost eliminating the spotting effect.
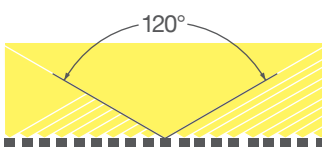
INCREMENTS AND VOLTAGE
The Perfect Blend light engine is available in increments of 4 and 8 inches. This means that you can order your fixture in 4 or 8 inch multiples to a maximum length of 72 inches.

No matter what increment you choose, the Perfect Blend light engine runs at 24 volts.

Choosing a increment will affect the minimum curve radius of the HORIZON FLEX. For a smaller radius, use the smallest increment:

INCREMENT	MIN. CURVE RADIUS	VOLTAGE
4 inches	50 inches	24 volts
8 inches	100 inches	24 volts

HORIZON FLEX
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WIDE ORDERING CODE MODEL

ANATOMY OF AN EKLIPSE ORDERING CODE:

MODEL	VOLTAGE	WATT/FT	LIGHT ENGINE	LENGTH		SEGMENT	END CAP	WIRING	OPTICS	FILM	COLOR	FINISH
HF	**12V**	**8W**	**W**	**56**		**4**	**MIH**	**L**	**11**	**NBF**	**27K**	**ABK**

MODEL	VOLTAGE	WATT/FT	LIGHT ENGINE	LENGTH 12V	LENGTH 24V	SEGMENT	END CAP	WIRING	OPTICS	FILM	COLOR	FINISH
HF = HORIZON FLEX	**12V** = 12 volts **24V** = 24 volts	**8** W **10** W **12** W	**W** = Wide	4 8 12 16 20 24 28 32 36 40 44 48	8 16 24 32 40 48 56 64 72	**4** = 4 inches **8** = 8 inches	**MIH** = Magnetic Insert Horiz. **MIV** = Magnetic Insert Vertical	**L** = Left **R** = Right	**7** = 7° **11** = 11° **28** = 28° **42** = 42° **8X52** = 8° x 52° **NA** = None	**NBF** = Narrow Beam Filter For 7° and 11° optics only **CF** = Clear Film **FF** = Frosted Film **LF** = Linear Optical Film **NA** = None	**27K** = 2700K **30K** = 3000K **35K** = 3500K **40K** = 4000K **CUS** = Custom	**ABK** = Anodized black **ACL** = Anodized clear **W** = Painted white **CUS** = Custom

Lengths in inches. Bracket thickness not included.

Final Eklipse ordering code: **HF - 12V - 8W - W - 56 - 4 - MIH - L - 11 - NBF - 27K - ABK**

MILD BLEND AND PERFECT BLEND ORDERING CODE MODEL

ANATOMY OF AN EKLIPSE ORDERING CODE:

MODEL	VOLTAGE	WATT/FT	LIGHT ENGINE	LENGTH		SEGMENT	END CAP	WIRING	OPTICS	FILM	COLOR	FINISH
HF	**24V**	**5W**	**B**	**68**		**4**	**MIH**	**L**	**NA**	**FF**	**40K**	**ABK**

MODEL	VOLTAGE	WATT/FT	LIGHT ENGINE	LENGTH a	LENGTH b	SEGMENT	END CAP	WIRING	OPTICS	FILM	COLOR	FINISH
HF = HORIZON FLEX	**24V** = 24 volts	**3** W **5** W **7.5** W	**MB** = Mild Blend Up to 5 W/ft **B** = Perfect Blend	4 8 12 16 20 24 28 32 36 40 44 48	52 56 60 64 68 72	8 16 24 32 40 48 56 64 72	**4** = 4 inches **8** = 8 inches	**MIH** = Magnetic Insert Horiz. **MIV** = Magnetic Insert Vertical	**L** = Left **R** = Right	**NA** = None	**CF** = Clear Film **FF** = Frosted Film **LF** = Linear Optical Film **NA** = None	**27K** = 2700K **30K** = 3000K **35K** = 3500K **40K** = 4000K **CUS** = Custom	**ABK** = Anodized black **ACL** = Anodized clear **W** = Painted white **CUS** = Custom

Lengths in inches. Bracket thickness not included.

Final Eklipse ordering code: **HF - 24V - 5W - B - 68 - 4 - MIH - L - NA - FF - 40K - ABK**

HORIZON FLEX
CURVABLE LINEAR LED

INSTALLATION NOTES

WARRANTY
Five (5) years on parts.

APPROVAL
Approved CSA/UL and CE.

c (UL) us   C E

EKLIPSE
ARCHITECTURAL LIGHTING