HPNLS-HO

Line Voltage Linear LED Strip Fixture

Customer: Date: Type:

Project:



Wattage	5W (ASHRAE) or 8W or 16W per linear ft.
Input Voltage	90-120V, 230-277V
Control	Forward/Reverse Phase Line Dimmer, 0-10V, DALI, DMX*
LED Spacing	1" on Center
Length	6",12",18", custom "
Total Height	1.75" (not including clip)
Total Width	1.68"
Color Options	2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 5000K, Amber, Red, Green, Blue
Mounting	Fixed, Swivel, Hinge, 3" Arc, 6" Arc or Vandal Resistant
Available Optics	10°x10°, 30°x30°, 60°x 60°, 10°x30°, 10°x40°, 10°x60°, 30°x60°, 60°x10°, 120°x120°
Rating	IP50, IP67, IP69K
CRI	90+ CRI
Power Cable	UL Standard 10 ft.
Finish	Black, White, Grey
Materials	Anodized Aluminum
Custom	Contact Factory
Dimming	Patented CleanDim® Technology ensures even dimming from 0-100%.
Max Run	40ft @ 120V (16W)
Environmental	Operating temperature: -40°F-140°F Ambient(-40°C-60°C)** Storage temperature: -40°F-140°F Ambient indoor fixtures operation limited to =<50% relative humidity

*Uses Boca SDS Module for 0-10V, Dali, or DMX Dimming.
** Military spec available under special request-lead times may be impacted.

KEY FEATURES:

- Available in 5W ASHRAE, 8W or 16W per linear foot.
- Patented CleanDim® Technology delivers even dimming from 0–100%.
- Supports phase, 0–10V, DALI and DMX control options.

PRODUCT SPECIFICATIONS:

PRODUCT	WATTAGE	COLOR OPTION	VOLTAGE	OPTIC	FINISH	LOCATION	MOUNTING	LENS	OPTIONS
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	5W ASHRAE **8W** **16W**	**2000K** **2200K** **2400K** **2700K** **3000K** **3500K** **4000K** **5000K** **Amber** **Red** **Green** **Blue**	**120V** **277V**	**10°x10°** **30°x30°** **60°x60°** **10°x30°** **10°x40°** **10°x60°** **30°x60°** **60°x10°** **120°x120°**	**W** White **B** Black **G** Gray	**I** Interior-IP50 **E** Exterior-IP67 **N** Natatorium* **K** IP69K-Extreme Enviroment *Chromate Conversion with Marine Grade Powder Coat-IP67. Extra Charges may apply.	**F** Fixed **S** Swivel **H** Hinge **3Arc** 3" Arc Swivel **6Arc** 6" Arc Swivel **V** Vandal Proof Clip	**C** Clear **D** Diffused **SI** Satin Ice (Interior Use Only) **OP** Opal White	**SB** Square Baffle **ASYM** Asymmetric Baffle **SKB** Kicker Baffle **HL** Hexcell Louver* *Cannot be used with Satin Ice White or 120° optic

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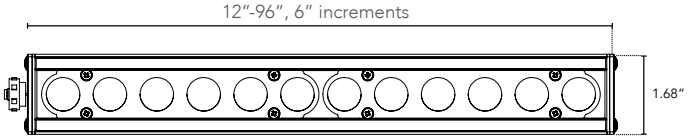
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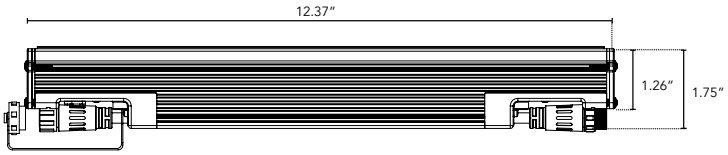
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DIMENSIONS:

For vertical installation and installations above 4’ please contact the factory for specific mounting instructions.



Plan View

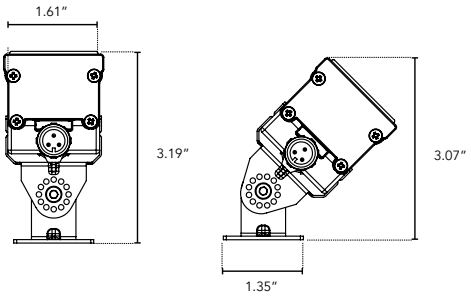


Elevation View

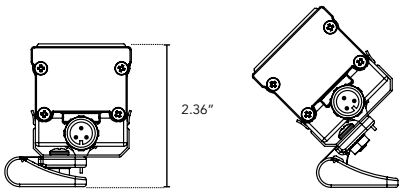
MOUNTING INFORMATION:

Note: Fixtures 1-2ft, Place clips 3” from edge as shown. Fixtures more than 2ft., Place clips 3.5” from edges as shown.

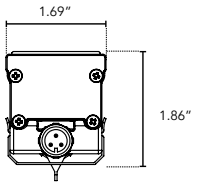
Swivel



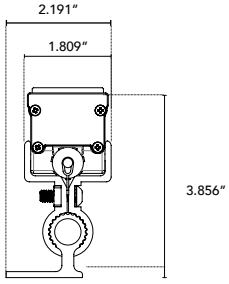
Hinge



Fixed



Vandal Resistant



LENS OPTIONS:

DIFFUSED GLASS

- 87% transmission
- Lens is 1/8” (.09) thick, adds 1/16” to overall height of fixture
- Additional charges apply

SATIN ICE

- Best for direct view use. Interior only.
- 42% transmission
- Lens is 1/4” (.25) thick, adds 1/8” to overall height of fixture
- Additional charges apply

BAFFLE DETAILS:



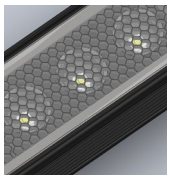
SB



ASYM



SKB



HL

BAFFLE SQUARE - SB, ASYM, SKB

The design cuts off light at 90°, utilizing lightweight black PVC with non-reflective surfaces to avoid glare from interior sections. A one-piece baffle slides onto the extruded housing. The SB only adds 0.75” to the overall height, the ASYM adds 0.90” to the overall height, and the SKB adds 1.625” to the overall height.

HEXCELL LOUVER - HL

The louver cannot be utilized when no optic (120°) is specified. It is located flush to the secondary optic, preventing unwanted striation, and is positioned behind the lens to ensure no damage occurs during installation or afterward, also preventing dust build-up. The louver ships pre-fitted, making on-site fixture installation easy, with no unsightly clips, screws, or brackets. It can be used with other baffles and adds nothing to the overall height. Additional charges may apply.

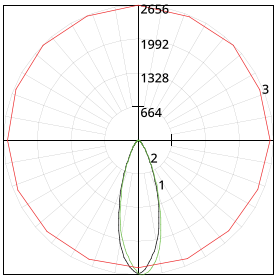
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LUMINAIRE INFORMATION:



Fixture Type: 3500°K, 24° optic, 120V, 12”

Total lumen Output: 4840 Lumens per 4ft.

Luminaire Efficacy: 80.6 Lumens per watt

Maximum Candela: 2655.83

Located at Horizontal Angle: 90

Vertical Angle: 2

#1 - Vertical Plane Through Horizontal Angles (0 - 180)

#2 - Vertical Plane Through Horizontal Angles (90 - 270)

#3 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

For lux multiply fc by 10.76fc reading taken at 100% capacity (no dimming)

LUMENS PER LAMP	1203.5 (1 lamp)
TOTAL LAMP LUMENS	1203.5
LUMINAIRE LUMENS	1204
TOTAL LUMINAIRE EFFICIENCY	100%
LUMEN EFFICACY RATING	80
TOTAL LUMINAIRE WATTS	15.02
BALLAST FACTOR	1.00
CIE TYPE	Direct
SPACING CRITERION (0-180)	0.58
SPACING CRITERION (90-270)	0.62
SPACING CRITERION (Diagonal)	0.60
BASIC LUMINOUS SHAPE	Rectangular
LUMINOUS LENGTH (0-180)	0.31m
LUMINOUS WIDTH (90-270)	0.04m
LUMINOUS HEIGHT	0.00m

	Optic Angle(*)	10	30	60	10x60	30x60	D	SB-C(10°)	SB-D(10°)	ASYM-C(10°)	ASYM-D(10°)	HL-C(10°)	HL-D(10°)	OW(10°)	K(10°)
CCT	2200	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93
CCT	2400	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93	x0.93
CCT	2700	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96	x0.96
CCT	3000	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98	x0.98
CCT	3500	1416	1332	1286	1225	1157	1247	1272	1120	1267	1110	1189	1046	725	1315
CCT	4000	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15	x1.15
CCT	5000	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32	x1.32
	5W	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36	x0.36
	8W	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55	x0.55
	10W	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62	x0.62

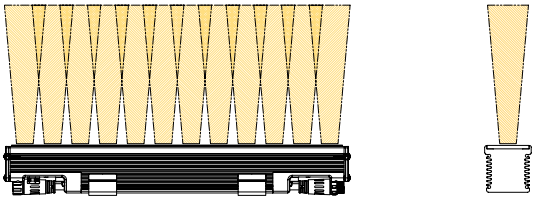
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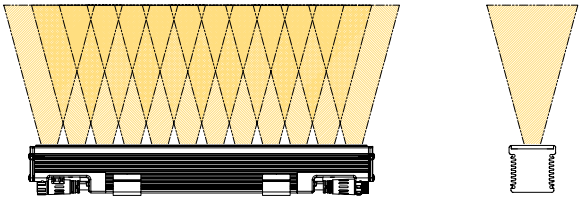
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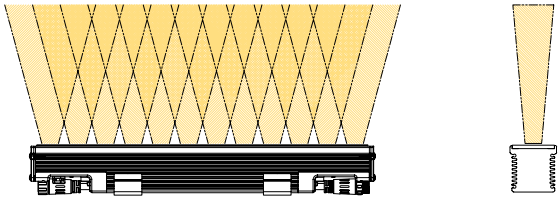
OPTICS



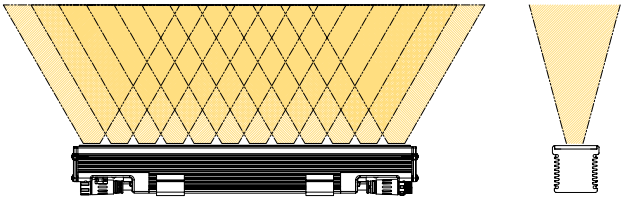
10°x10°



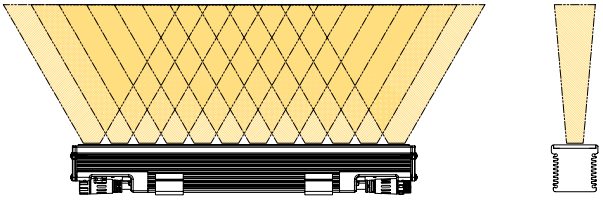
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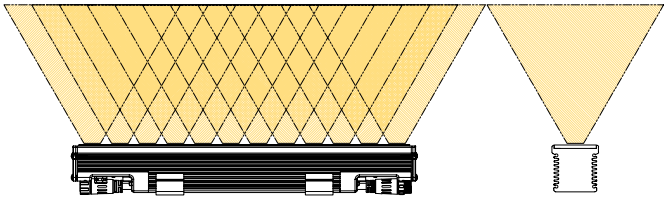
10°x30°



30°x60°



10°x60°



60°x60°

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