



**CLASS-1
DIV-2
RATED**

**CLASS-2
DIV-2
RATED**

**IP68
IP69K
CERTIFIED**

**IK10
IMPACT
CERTIFIED**

**NEMA
4X**

**DIRECT AC
DRIVERLESS**

**EMI
SILENT**



**BAA
BABAA
COMPLIANT**



Driverless Linkable IP68/69K LED Linear Luminaire for Hazardous Locations

Heavy-Duty, Quick-Connect Cabling

Heavy-duty, MSHA-rated cabling and push-and-click connectors make fixtures easily to install and daisy-chain for long linear runs.

Zero-Maintenance, Driverless Design

Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime.

Purpose-Built for Hazardous Locations

Certified for Hazardous Locations Class 1, Division 2 Groups A-D and Class 2, Division 2 Groups E-G, T4 Temperature Rated. HLX fixtures are ideal for areas with little or no ventilation, and compact spaces where other fixtures simply cannot go.

Superior Ingress Protection & Chemical Resistance

Seamless polymeric outer shell provides IP68/IP69K ingress protection and is specialized for superior chemical resistance.

Single piece enclosure requires no assembly and protects against intrusion of moisture, dust, and other combustibles.

Low-Profile, High-Output

Low-profile 1" round design, that packs a punch at 1,000 lumens per foot.

PERFORMANCE SUMMARY

Delivered Light Output: Up to 8,000 Lumens

Maximum Run Length: Up to 208' of light (Refer to table on page 3)

Efficacy: Up to 125 LPW

CRI: Typical 85 CRI

CCT: 5000K & 4000K (Contact factory for custom CCT)

Lifetime: 100,000 Hours at 25°C

Warranty: 5 Years

Mounting: Ceiling or wall

Lens: Diffused (standard)

Protection Class: IP68/IP69K

Temperature Rating: Operable in temperatures -40°C to 55°C

Voltage: 120 or 277 VAC Input

Power Factor: 0.9 nominal

Surge Protection: Built-in 4KV

Total Harmonic Distortion: < 20%

FIXTURE SPECIFICATIONS

Construction & Materials

- Proudly engineered and manufactured in America:
 - Buy American Act (BAA) compliant
 - Build America, Buy America Act (BABAA) compliant
- Heavy-duty, push-and-click connectors
- Patented coextruded copolyester and aluminum housing
 - Seamless polymeric outer shell
 - Integrated aluminum heat spreader
- Double insulated (cabling and fixture)

Regulatory Qualifications

- ETL Listed
- IP68/IP69K Certified
- IK10 Impact Certified
- NEMA 4X Rated
- Class 1, Division 2 Groups A-D
- Class 2, Division 2 Groups E-G
- T4 Temperature Rated

REV: 0826

ORDERING INFORMATION

Product	Length	Lumen Output	Color Temp.	Through Wired	Voltage
HLX		SO			
	2 2-Foot	SO Standard Output 1000 Lumens/Foot	50K (standard) 5000 Kelvin	Blank (standard) Connectors on Input & Output for ability to Daisy Chain fixtures	120V 120 VAC Input
	4 4-Foot		40K 4000 Kelvin	SE (Single-Ended) Connector on Input Only, No Daisy Chain, for Standalone Install	277V 277 VAC Input
	8 8-Foot				

LUMEN & POWER DATA

Length & Output	Lumens	Wattage	Amps @ 120V	Amps @ 277V
HLX2-SO	2,000	16	0.13	0.060
HLX4-SO	4,000	32	0.27	0.112
HLX8-SO	8,000	64	0.53	0.224

FIXTURE DIMENSIONS

Model	Fixture Diameter	Fixture Length		Mounted	
		Thru Wire	Single End	Width	Height
HLX2	1.00"	25.82"	24.27"	1.25"	1.75"
HLX4	1.00"	47.82"	46.27"	1.25"	1.75"
HLX8	1.00"	91.82"	90.27"	1.25"	1.75"

MOUNTING

G&G will provide the appropriate type (indoor vs. outdoor) and quantity of non-metallic quick latch clip depending on each fixture ordered (two clips per 2' and 4' fixtures, or three clips per 6' and 8' fixtures).

Part Number	Description
MNT-G1-NM-2015	(1) Non-Metallic Quick Latch Mounting Clip (Indoor)
MNT-G1-NM-2020	(1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor)
MNT-G1-SS	(1) Stainless Steel Bolt Latch Mounting Clip
MNT-G1-SS-KIT	Kit of (3) Stainless Steel Bolt Latch Mounting Clips
MNT-G1-MAG-NM-2015	(1) Non-Metallic Quick Latch Mounting Clip (Indoor) with Maximum Strength Disc Magnet
MNT-G1-MAG-NM-2020	(1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor) with Maximum Strength Disc Magnet
MNT-G1-MAG-SS	(1) Stainless Steel Bolt Latch Mounting Clip with Maximum Strength Disc Magnet

MAXIMUM FIXTURE RUN LENGTH

Maximum Fixture Run (Per 1 Leader Cable) 120VAC			
Cable	HLX2	HLX4	HLX8
JMP1 (1')	60 (179')	34 (169')	17 (152')
JMP4 (4')	45 (266')	31 (244')	15 (176')
JMP8 (8')	40 (392')	28 (328')	13 (200')

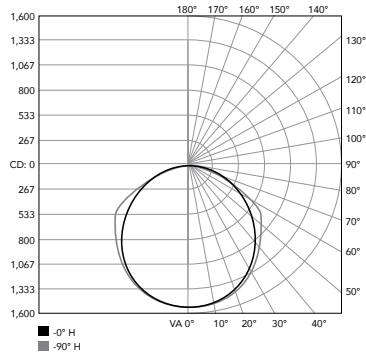
PHOTOMETRY

HLX Series

Based on DTC Report Test #: 14404-T

Fixture photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.

Polar Candela Distribution

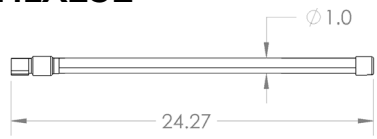


Zonal Lumen Summary

Zone	Luminaire
0-30	26.2%
0-40	43.2%
0-60	77.4%
0-90	98.5%
0-180	100%

DIMENSIONAL DRAWINGS

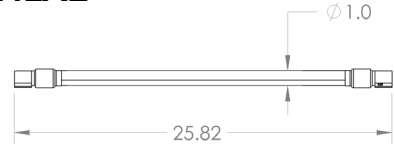
HLX2SE



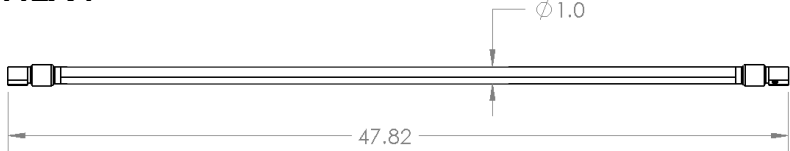
HLX4SE



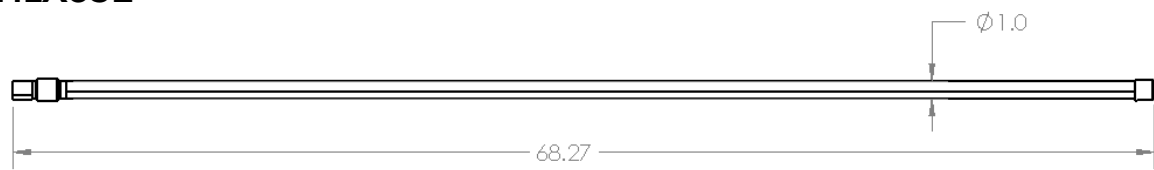
HLX2



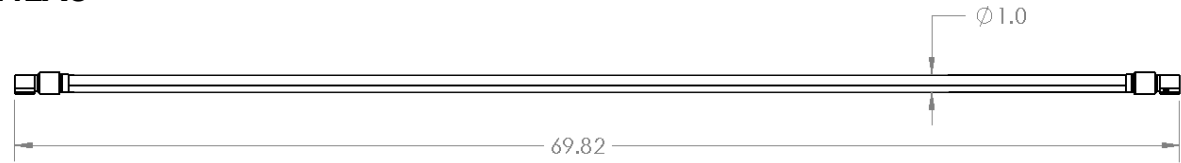
HLX4



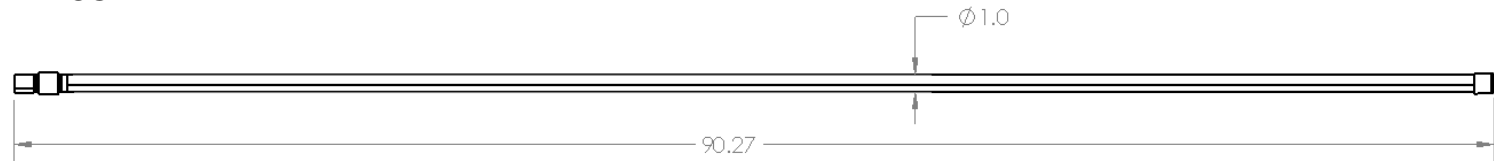
HLX6SE



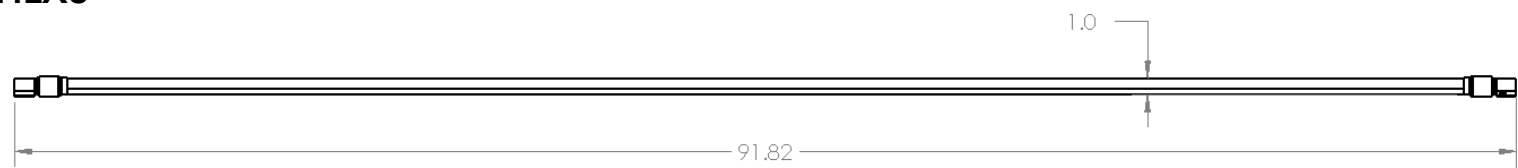
HLX6



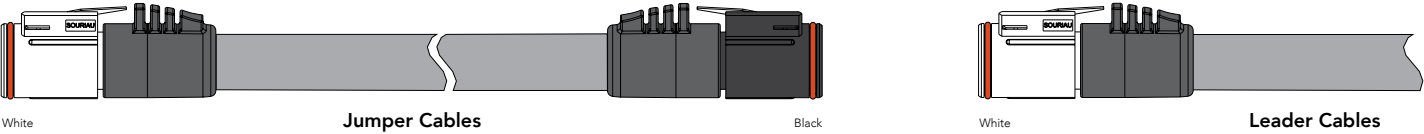
HLX8SE



HLX8



HLX Heavy-Duty, Quick-Connect, IP68/IP69K Cables (MSHA-Rated)



PERFORMANCE SUMMARY

- Lifetime: 100,000 hours
- Warranty: 3 Years
- Protection Class: IP68/IP69K Connectors; Oil, UV and Water Resistant 14 ga SOOW Cord
- Regulatory Qualifications: MSHA-Rated, Class 1, Division 2 Groups A, B, C & D and Class 2, Division 2 Groups E, F & G
- Temperature Rating: Operable in temperatures -40°C to 50°C

ORDERING INFORMATION

Leader Cables

Product	Length
HLX-LDR	8 8ft

Jumper Cables

Product	Length
HLX-JMP	1 4 8 End-to-End 4ft 8ft

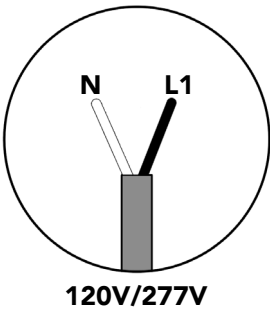
CABLING

*Note: Cable lengths are ± 2 inches

Cable	Type	Wire	End-to-end Length*	Fixture-to-fixture Length*	Inside Cable Length*
HLX-JMP-1	Jumper	14 ga SOOW	11.5"	9.5"	7"
HLX-JMP-4	Jumper	14 ga SOOW	56"	54"	51.5"
HLX-JMP-8	Jumper	14 ga SOOW	106"	103"	100.5"
HLX-LDR-8	Leader	14 ga SOOW	96"	-	-

LEADER CABLE INSTALLATION

In some installations, the Leader Cable must be extended to reach from the fixtures to the branch circuit junction box. The wire gauge required will depend on the load, voltage and run length (see chart below). This will limit the voltage drop to ~3V.



Load / Run Length	1-50ft	50-100ft	100-150ft
1-3 Lights	16 / 16 AWG	16 / 16 AWG	16 / 16 AWG
4-6 Lights	16 / 16 AWG	16 / 16 AWG	14 / 16 AWG
7-9 Lights	16 / 16 AWG	14 / 16 AWG	12 / 16 AWG

AWG shown as 120V / 277V. Sized to worst-case load (HLX8, 64W) to limit voltage drop to ~3V:
1-3 lights = 1.6A (120V) / 0.7A (277V) | 4-6 lights = 3.2A / 1.3A | 7-9 lights = 4.8A / 2.0A.
Verify against NEC Chapter 9 and local code before installation.