

TOKISTAR Exhibitor



TOKISTAR LIGHTING



Exhibitor™

Tokistar® Exhibitor Series is a wet-location festoon lighting system used in amusement parks, shopping centers, street decorations and promenades. Exhibitor fixtures may also be incorporated into signs or surface mounted to accent rooflines and other architectural features.

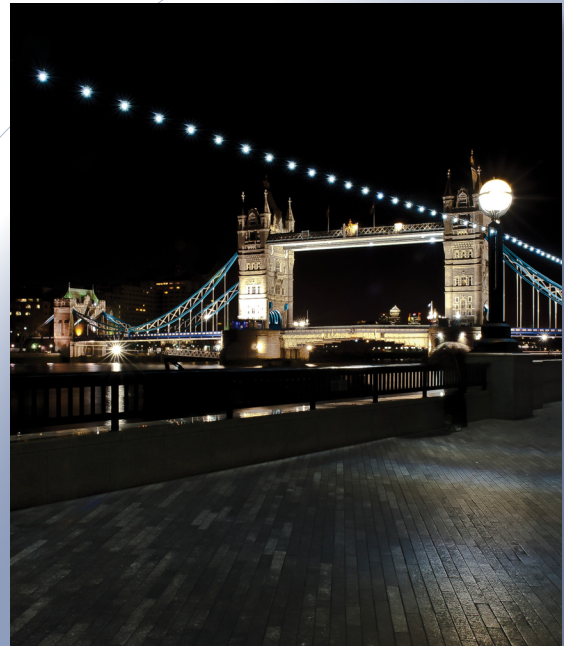
The EXC Series incorporates Exhibitor Series into an aluminum profile suitable for painting and use in all environments. This series can be wired for single circuit or chasing effects.

Our Exhibitor Pendants are independent sockets with a lead wire exiting the base. Fixtures are wet-location listed and may be suspended with liquid-tight strain relief fittings.

For a distinctive look, optional shades may be used with Exhibitor in festoon applications or with Exhibitor Pendants.

A wide selection of LEDs include our 1.8 watt Virtual Incandescent™ and Ultra Bright LEDs. We also offer energy-efficient 0.48 watt LEDs in a variety of colors.

Exhibitor is operated from 24VAC magnetic transformers and capable of running great distances on a single secondary circuit.



Exhibitor with white LEDs along the River Thames.



EXC Series wired for four-channel chase dramatically highlights the contours of this casino perimeter.

Contents

[Introduction](#) | 2-3

[Basic System / Mounting Options](#) | 4

[Design Guidelines / Shades](#) | 5

[EXC Series / Pendants](#) | 6

[Fixture Lengths / Transformers Specifications](#) | 7



Cover:
Exhibitor with LEDs brightens open-air space.

Exhibitor Series is ETL Wet-Location Listed to UL Standards and marked in accordance with CE Standards.



Intertek





Virtual Incandescent LEDs outline this structure.



Virtual Incandescent™ LED
1.8 watts / 24 VAC

Virtual Incandescent LEDs do a remarkable job of emulating traditional incandescent lamps.



Surface mounted Exhibitor outlines architectural features.



Ultra Bright LED
1.8 watts / 24 VAC

These LEDs have the brightness of much higher wattage incandescent lamps, with much greater life.



Exhibitor with Virtual Incandescent LEDs creates a radiant canopy of lights.



Three Exhibitor Globe Shapes

All styles are available in clear and frosted. The G-19 is also available in transparent Green, Amber, Blue, Red and Violet.



The Basic System

The Exhibitor Series sockets are permanently sealed to flexible cable with shatterproof polycarbonate globes. Fixtures are wet-location listed and rated IP65. When specifying an Exhibitor Lighting System, take into consideration: Socket Spacing, LED Style and Globe Selection.

EXBK - 6 - VIWW - S14 - C

Cable / Socket Color		Socket Spacing		LED			Globe Style		Globe Color	
Code	Color	Code	Inches (mm)	Code	Color	Watts/Volts	Code	Style	Code	Color
BK	Black	6	6" (150 mm)	UBLW	2000K White	1.8 W / 24 VAC	G19	G-19	C	Clear
WH	White	12	12" (300 mm)	UBWW	2400K White	1.8 W / 24 VAC	G14	G-14	F	Frosted
		18	18" (450 mm)	UBIW	3000K White	1.8 W / 24 VAC	S14	S-14	G	Green
		24	24" (600 mm)	VILW	2000K White	1.8 W / 24 VAC	G-14 & S-14 in clear and frosted only			
		Custom spacing is available.		VIWW	2400K White	1.8 W / 24 VAC			A	Amber
				VIIW	3000K White	1.8 W / 24 VAC			B	Blue
				Virtual Incandescent (VILW, VIWW & VIIW) not for use with Frosted Globes					R	Red
				WW	2500K White	0.48 W / 24 VAC			V	Violet
				WH	5500K White	0.48 W / 24 VAC			M	Multi-Color
				BL	Blue	0.48 W / 24 VAC				
				GR	Green	0.48 W / 24 VAC				
				OR	Orange	0.48 W / 24 VAC				
				PL	Purple	0.48 W / 24 VAC				
				RD	Red	0.48 W / 24 VAC				
				YG	Yellow-Green	0.48 W / 24 VAC				
				(Any Combination of 0.48 Watt Colors is Possible)						
				Xenon Lamp						
				124	2500K	7.5 W / 24 VAC				
				Xenon lamp not for use with G-14 globes or Exhibitor Pendants						

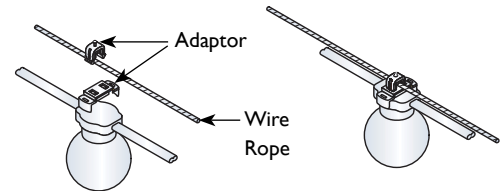
Mounting Options

Festoon Mounting

Part# EX-MDA-WH (White)

Part# EX-MDA-BK (Black)

For festoon applications to a catenary cable, our wire-rope adaptors securely hold each socket in place to a 1/16" or 1/8" diameter wire rope. Wire rope and associated mounting hardware is not provided with the system.

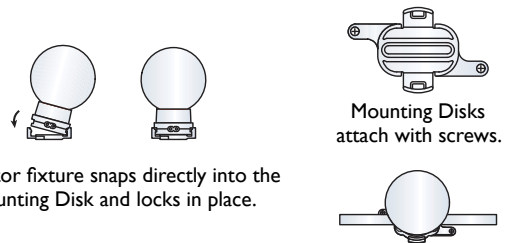


Surface Mounting with Disks

Part# EX-MD-WH (White)

Part# EX-MD-BK (Black)

Exhibitor Series can be surface mounted to structures using mounting disks. One disk is required for mounting each socket. The socket can be snapped into the disk and screwed in place to the structure.

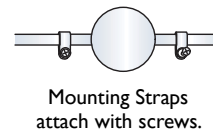


Surface Mounting with Straps

Part# EX-MS-WH (White)

Part# EX-MS-BK (Black)

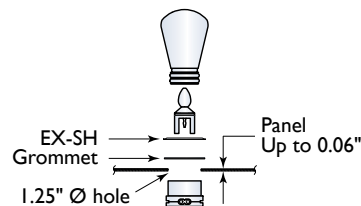
Exhibitor Series may be surface mounted to structures using our mounting straps. Two straps are required for mounting each socket. Straps are positioned on either side of the socket, and then screwed securely to the structure.



Panel/Extrusion Mounting

Part# EX-SH

For installations to flat panels or extrusions up to 0.06", we offer stainless-steel panel fasteners. The socket assembly is inserted from below, then the panel fastener and grommet are pressed in place from above.



Design Guidelines

Socket Spacing

Consider line of sight and viewing perspective when deciding on socket spacing. More distant spacings (18"-24") are the best choice for most festoon applications. Closer spacings (6"-12") are appropriate for applications at closer viewing range. Any custom spacing is available on request.

Light Sources

Virtual Incandescent and Ultra Bright LEDs

Virtual Incandescent™ LEDs do a remarkable job of emulating traditional incandescent filaments. Ultra Bright LEDs do the same, and are typically used with frosted globes. Both LEDs consume 1.8 watts.

0.48 Watt LEDs

These lower wattage LEDs are the most energy-efficient choice. Typically they are used with frosted globes to create a very uniform and softer lighting effect.



Ultra-Bright LED

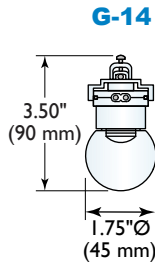
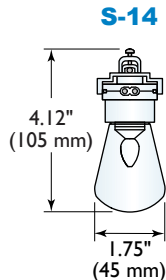
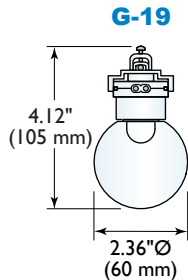


Virtual Incandescent™ LED



Globe Selection

Three different shapes are available: G-19, G-14 and S-14. Clear globes have excellent clarity and will emphasize distinct points of light. Frosted globes diffuse light and have a softer appearance. Each globe includes two O-rings for a secure and weatherproof seal to the socket. G-19 transparent colored globes create vibrant color.



G-19 globes are available in transparent Green, Amber, Blue, Red and Violet.

Exhibitor Shades

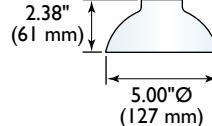
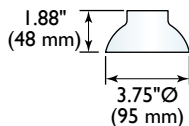
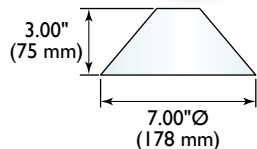
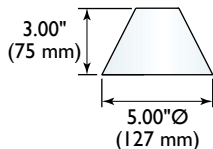
For a distinctive look, these lightweight aluminum spinnings may be added to festoon applications or used with Exhibitor Pendants. Standard finish is black and custom finishes are available on request.

Part #: EX-CS1-B

Part #: EX-CS2-B

Part #: EX-CS3-B

Part #: EX-CS4-B



Select from one of our standard shapes or create your own design.



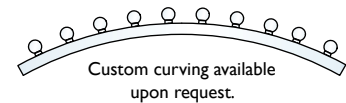
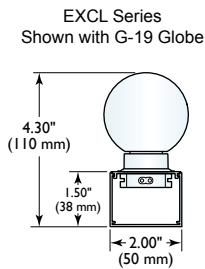
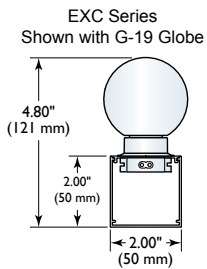
EXC Series

EXC Series is available in a 2" x 2" or 1.5" x 2" aluminum profile for use in all environments. Standard finish is satin aluminum, and custom finishes are available upon request. Fixtures can be wired for single circuit or chasing effects. Consult factory for custom curving.



EXC - 6 - UBIW - G19 - F

Extrusion Profile		Socket Spacing		LED			Globe Style		Globe Color	
Code	Size	Code	Inches (mm)	Code	Color	Watts/Volts	Code	Style	Code	Color
EXC	2" x 2"	6	6" (150 mm)	UBLW	2000K White	1.8 W / 24 VAC	G19	G-19	C	Clear
EXCL	1.5" x 2"	12	12" (300 mm)	UBWW	2400K White	1.8 W / 24 VAC	G14	G-14	F	Frosted
		18	18" (450 mm)	UBIW	3000K White	1.8 W / 24 VAC	S14	S-14	G	Green
		6C	6" Chase (150 mm)	VILW	2000K White	1.8 W / 24 VAC	G-14 & S-14 in clear and frosted only			
		12C	12" Chase (300 mm)	VIWW	2400K White	1.8 W / 24 VAC				
Custom spacing is available.				VIIW	3000K White	1.8 W / 24 VAC				
Virtual Incandescent (VILW, VIWW & VIIW) not for use with Frosted Globes										
				WW	2500K White	0.48 W / 24 VAC				
				WH	5500K White	0.48 W / 24 VAC				
				BL	Blue	0.48 W / 24 VAC				
				GR	Green	0.48 W / 24 VAC				
				OR	Orange	0.48 W / 24 VAC				
				PL	Purple	0.48 W / 24 VAC				
				RD	Red	0.48 W / 24 VAC				
				YG	Yellow-Green	0.48 W / 24 VAC				
(Any Combination of 0.48 Watt Colors is Possible)										
Xenon Lamp										
				124	2500K	7.5 W / 24 VAC				
Xenon lamp not for use with G-14 globes or Exhibitor Pendants										

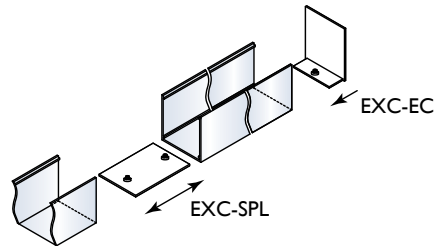


EXC Series

Part# EXC-SPL (Exhibitor Splice)

Part# EXC-EC (Exhibitor End Caps)

End Caps are required at the end and beginning of each run of fixture. When EXC fixtures are positioned end-to-end a splice seams them together.



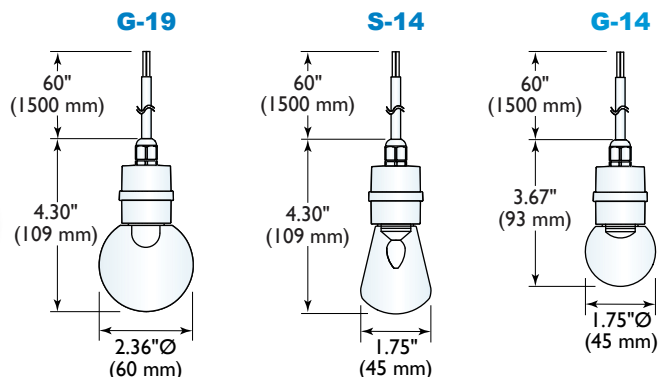
Exhibitor Pendants

These independent fixtures can be provided with the same light sources and globe styles as our basic Exhibitor System. Pendants are available with black cable and for use with Class 2 transformers only.



EX-PEND - VILW - S14 - C

LED	Globe Style	Globe Color
Select LED and globe options from other charts		





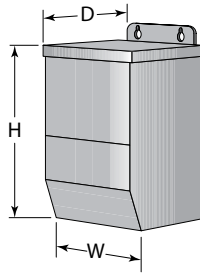
Fixture Lengths

To minimize voltage drop and keep conductors safely within their ratings, do not exceed the maximum lengths shown for each independent fixture.

Maximum Run Lengths			
	0.48 W LEDs	UB & VI LEDs	Xenon Lamp
Socket Spacing	0.48 Watt / 24 VAC	1.8 Watt / 24 VAC	7.5 Watt / 24 VAC
6" (150 mm)	250' (76 M)	125' (38 M)	32' (10 M)
12" (300 mm)	350' (106 M)	200' (60 M)	56' (17 M)
18" (450 mm)	420' (128 M)	225' (68 M)	72' (22 M)
24" (600 mm)	500' (152 M)	250' (76 M)	80' (24 M)

Transformers

Tokistar transformers operate from a 120 VAC / 60 Hz input and are fully dimmable. They are provided in a Nema 3R enclosure. The secondary outputs are protected by circuit breakers. Transformers should be installed in an accessible location where there is free air circulation.

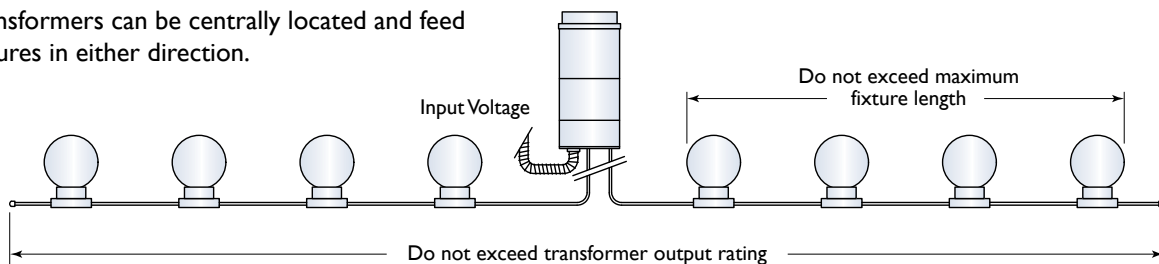


24 VAC Transformers					
Number	Outputs	D	H	W	Weight
C2-40-24V	1 @ 40 Watt / 24 VAC	2.25"	5.75"	2.25"	2 lbs
C2-96-24V	1 @ 96 Watt / 24 VAC	2.5"	6.5"	3.0"	3 lbs
T24-150	1 @ 150 Watt / 24 VAC	3.0"	9.0"	3.0"	5 lbs
T24-300	1 @ 300 Watt / 24 VAC	3.5"	9.5"	4.5"	8 lbs
T24-600	1 @ 600 Watt / 24 VAC	4.5"	10.5"	4.5"	15 lbs
T24-1200	2 @ 600 Watt / 24 VAC	5.0"	11.5"	7.0"	28 lbs

Exhibitor Pendants are for use with the C2-40-24V and C2-96-24V Class 2 transformers.

Consult factory for transformers with input voltages of 230 or 277 VAC. Sizes and weights shown are approximate and subject to change without notice.

Transformers can be centrally located and feed fixtures in either direction.



Specifications



Polycarbonate Globe with flammability rating UL 94V-2

Light Sources include LED and Xenon lamps

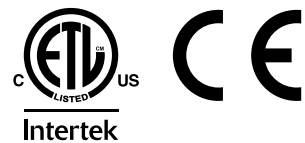
Flexible Conductors #12 AWG stranded and plated wire

Two O-Rings on each globe for weatherproof seal

Sockets permanently fastened to cable with sealant

Insulation is flexible PVC with flammability rating UL 94 HB

Exhibitor Series is ETL Wet-Location Listed to UL Standards and marked in accordance with CE Standards.





TOKISTAR® LIGHTING INC.

1015 E. Discovery Lane • Anaheim, CA 92801

Tel: 714.772.7005 • Fax: 714.772.7014 • Toll free in USA: 877.340.7633

Email: info@tokistar.com • Website: www.tokistar.com