

SIGN-2-16L

SIGN & POLE MOUNT | SIGN16 Series | 2.25" dia.
5-10W (500-1000lm) | 12V | HK LED

Project Name

Fixture Type

FEATURES



- Twin-head (5-10W)x2 LED modular sign light.
- CSA Listed for Wet Location, IP67 Standard.
- Utilize adjustable accent fixture head with directional light.
- Machined from solid billet 6061-T6 corrosion-resistant aluminum.
- Accommodates different beam spread reflectors and optic accessories.
- Modular components - field changeable LED module & beam spread reflectors.



Low Voltage LED Sign Light-Finned: SIGN-2-16L in Bronze

SPECIFICATIONS

Materials

Solid billet 6061-T6 corrosion-resistant aluminum with 304 stainless steel hardware. Available in 304/316 stainless steel or 360 brass upon request.

Finish

Polyester powder coat on all aluminum materials with RoHS compliant procedures. Anodized finish is available. Stainless steel and brass models are provided with brushed surface.

Hood and Glare Shield

3 available hood options to suit any application. 3 optional glare shields (short, long, angled) to complement each hood choice. (See page 4 for details)

Voltage

12V AC/DC. Requires remote step down transformer.

Wattage

(5, 7 or 10W)x2 HK LED.

Light Source

CRI 83. Available in CRI95 upon request. The chromaticity range is within a 3-step McAdam Ellipse. Standard CCT options are 2700K, 3000K, 4000K.

Dimming

MLV or ELV.

Optics

Accepts up to 3 accessories (hexcel louver, optical lenses, dichroic color filters, etc.). Secured in place with a metal snap ring.

Lamp Base/Socket

Innovative cone-shaped lamp base and receptacle socket maximize the surface contact area to dissipate heat more effectively. (See "Resources" for details)

ORDERING GUIDE

EXAMPLE: SIGN-2-16L-A-12V-5-27-20-ABK-24-GSA-LVR-CM5

MODEL	MATERIAL		HOOD	VOLTAGE		WATTAGE (Per Light)		CCT	OPTICS	FINISH		EXTENSION		
SIGN-2-16L SIGN16 Series 2.25" Sign Light Integrated HK LED				12V										
	BLANK	Aluminum (Standard)	A A Style: Weeping	12V	12V AC	5	5 Watts	27	2700K	20	(20°)	BK	Black Powder Coat	LENGTH
	NBR	Natural Brass¹	B B Style: No Weep Holes			7	7 Watts	30	3000K	33	(33°)	BZ	Bronze Powder Coat	12 12"
	NSS	Natural Stainless Steel¹	C C Style: Threaded, Weeping			10	10Watts	40	4000K	44	(44°)	WT	White Powder Coat	24 24"
	CU	Natural Copper¹								57	(57°)	ABK	Anodized Black¹	30 30"
											ACL	Anodized Clear¹	CC	Custom
											CC	Custom Powder Coat¹		

¹ Consult factory for specialty finish quoting and lead times.

OPTIONAL INSTALLED ACCESSORIES

GLARE SHIELD		OPTIC (Select up to 3)		MOUNTING	
GSA	A/B Glare Shield Angled	LVR	Hexcel Louver	CANOPY MOUNT	
GSL	A/B Glare Shield Long	OSL	Overall Spread Lens	CM5	5" Round Canopy Plate
GSS	A/B Glare Shield Short	LSL	Linear Spread Lens	CM1	3.75" Square Canopy Plate
CGSA	C Glare Shield Angled	SOL	Solite Soft Focus	CM3	4.75" Square Canopy Plate
CGSL	C Glare Shield Long	DCF	Dichroic Filter	SURFACE MOUNT	
CGSS	C Glare Shield Short			CB4.0	4" Round Surface Box
				CB5.5	5.5" Round Surface Box

• Most common listed, see Page 4 for additional options

OUTDOOR MAGNETIC TRANSFORMERS (120V input/12VAC Output)

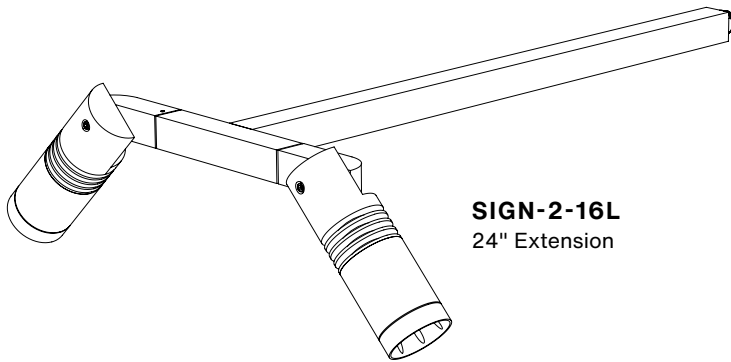
TRANSFORMERS (Go to [Accessories](#) for detailed specification)

EXAMPLE: TXS-150-SS

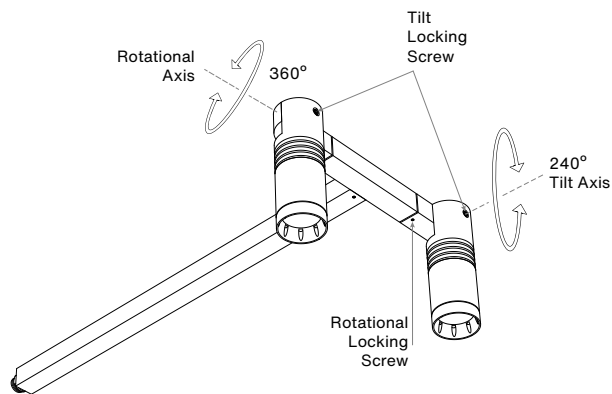
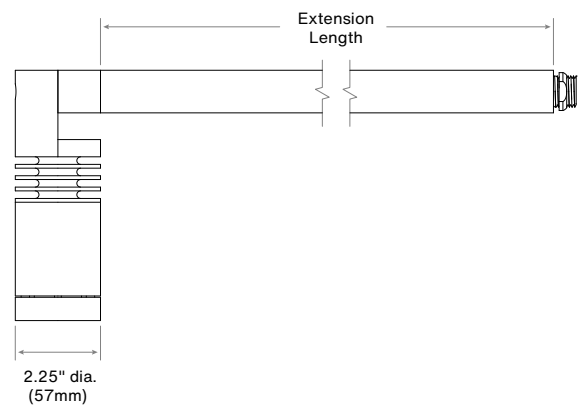
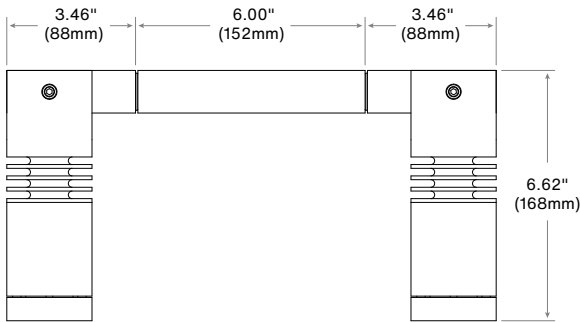
MODEL		WATTAGE (VA)						PRIMARY VOLTAGE (VAC)	
TXM	Stainless steel, wet location outdoor magnetic transformer Multitap 12-15VAC Output MLV Dimming	150	300					OTR-SS (120V Only)	
TXS	Stainless steel, wet location outdoor magnetic transformer Multitap 12VAC Output MLV Dimming	150	300	600				SS (120V Only)	
TXM	Compact, damp location magnetic transformer 12VAC Output MLV Dimming	20	40	60	100			120	
IGT	In ground outdoor magnetic transformer 12VAC Output MLV Dimming	50 (120V Only)			100	300	600	120	277
TXE	In-fixture or near mounted electronic transformer 12VAC Output ELV Dimming Enclosure by others	60						120	277



PRODUCT DRAWINGS

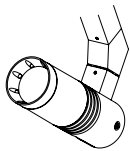


SIGN-2-16L
24" Extension



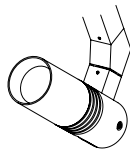
OPTIONS & ACCESSORIES

HOOD OPTIONS



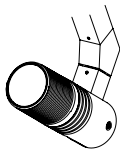
A HOOD

Versatile hood with 8 weep holes for water drainage. Regressed lens for glare control. Suggested for general use or when fixture is aimed in an up position.



B HOOD

Similar to A hood but without weep holes. Regressed lens for glare control. Suggested for downlighting and interior applications.

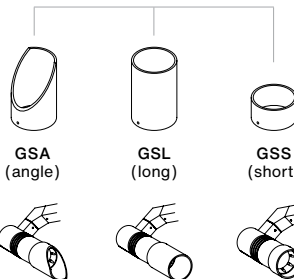


C HOOD

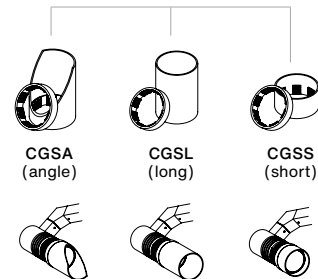
Designed for permanent use with a glare shield and innovative drainage design for water and debris. The machined threads enable ongoing glare shield adjustment, without impact to the paint surface.

OPTIONAL GLARE SHIELD

For use with A & B Hood,
Fastened with Set Screw

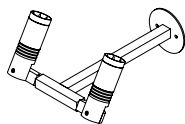


For use with C Hood
Fastened with Locking Ring



MOUNTING ACCESSORIES

Canopy Mount:



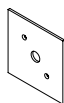
Fixture On CM5



CM2



CM1

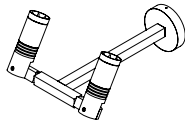


CM3



CM5

Surface Mount Box:



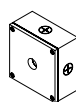
Fixture On CB5.1



CB3.5



CB4.0



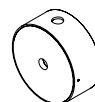
CB4.0-SQ



CB5.1



CB5.5



CB5.5-2K

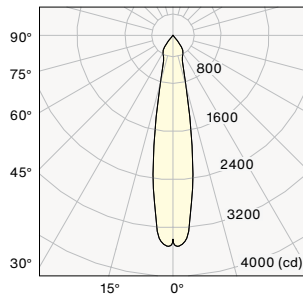
Notes:

PHOTOMETRY & ENERGY DATA

SIGN-2-16L Per Light (Narrow)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	20.5°
Max. Candlepower	3507cd
Delivered Lumens	864lm
Efficacy	91lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

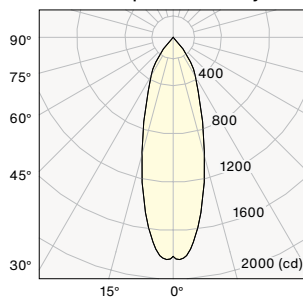
Center Beam (fc)	Beam Diameter	Distance
877	0.7'	2.0'
219	1.4'	4.0'
97	2.2'	6.0'
55	2.9'	8.0'
35	3.6'	10.0'

1/2 Beam Angle: 20.5°

SIGN-2-16L Per Light (Medium)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	32.5°
Max. Candlepower	1842cd
Delivered Lumens	863lm
Efficacy	91lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

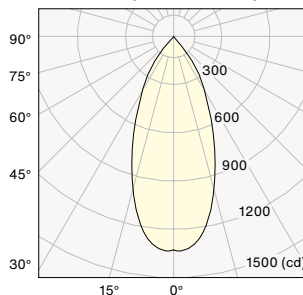
Center Beam (fc)	Beam Diameter	Distance
460	1.2'	2.0'
115	2.3'	4.0'
51	3.5'	6.0'
29	4.6'	8.0'
18	5.8'	10.0'

1/2 Beam Angle: 32.5°

SIGN-2-16L Per Light (Wide)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	44.1°
Max. Candlepower	1332cd
Delivered Lumens	850lm
Efficacy	89lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

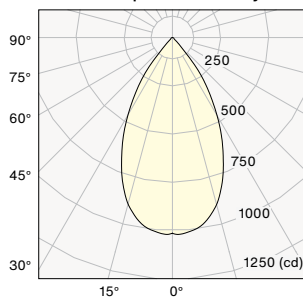
Center Beam (fc)	Beam Diameter	Distance
333	1.6'	2.0'
83	3.2'	4.0'
37	4.9'	6.0'
21	6.5'	8.0'
13	8.1'	10.0'

1/2 Beam Angle: 44.1°

SIGN-2-16L Per Light (Extra Wide)

Input Power	9.5W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	90+
Beam Angle	56.9°
Max. Candlepower	1019cd
Delivered Lumens	876lm
Efficacy	92lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
255	2.3'	2.0'
64	4.6'	4.0'
28	6.9'	6.0'
16	9.2'	8.0'
10	11.5'	10.0'

1/2 Beam Angle: 56.9°

WATTAGE MULTIPLIER

Wattage	Multiplier
5 Watt	0.53
7 Watt	0.83
10 Watt	1.00

CCT MULTIPLIER

Color Temp.	Multiplier
2700k	0.97
3000k	1.00
4000k	1.05