SIGN-2-16Li

SIGN & POLE MOUNT | SIGN16 Series | 2.25" dia.
5–10W (400–1000lm) | 120V–277V | HK LED

Project Name

Fixture Type



Line Voltage Twin LED Sign Light: SIGN-2-16Li in Anodized Clear

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.
- Accommodates different beam spread reflectors and optic accessories.
- Modular components - field changeable LED module & beam spread reflectors.
- Line voltage input with integral step down transformer in fixture housing.

SPECIFICATIONS

Materials
Machined from 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
120V, 230V or 277V AC.

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
0-10V dimming, phase dimming @120V.

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-2-16Li-A-120V-5-27-20-BK-24-GSA-LVR-CM5**

MODEL	MATERIAL	HOOD	VOLTAGE	WATTAGE (Per Light)	CCT	OPTICS	FINISH	EXTENSION
SIGN-2-16Li SIGN16 Series 2.25" Sign Light Integrated HK LED Line Voltage	**BLANK** Aluminum (Standard) **NBR** Natural Brass[1] **NSS** Natural Stainless Steel[1] **CU** Natural Copper[1]	**A** A Style: Weeping **B** B Style: No Weep Holes **C** C Style: Threaded, Weeping	**120V** 120V AC **230V** 230V AC **277V** 277V AC	**5** 5 Watts **7** 7 Watts **10** 10 Watts	**27** 2700K **30** 3000K **40** 4000K	**20** (20°) **33** (33°) **44** (44°) **57** (57°)	**BK** Black Powder Coat **BZ** Bronze Powder Coat **WT** White Powder Coat **ABK** Anodized Black[1] **ACL** Anodized Clear[1] **CC** Custom Powder Coat[1]	**LENGTH** **12** 12" **24** 24" **30** 30"

[1] Consult factory for specialty finish quoting and lead times

OPTIONAL INSTALLED ACCESSORIES

GLARE SHIELD

GSA	A/B Glare Shield Angled
GSL	A/B Glare Shield Long
GSS	A/B Glare Shield Short
CGSA	C Glare Shield Angled
CGSL	C Glare Shield Long
CGSS	C Glare Shield Short

OPTIC (Select up to 3)

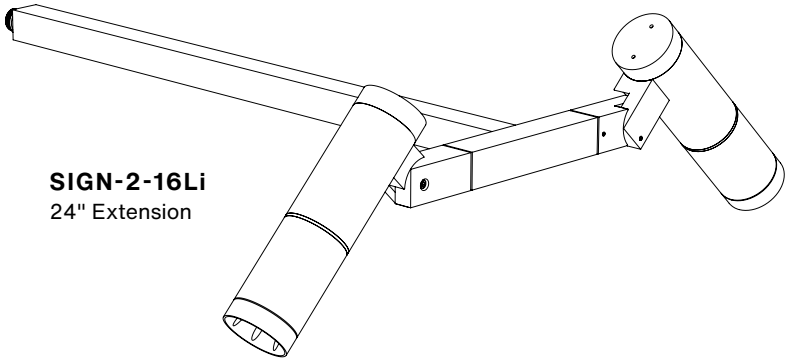
LVR	Hexcel Louver
OSL	Overall Spread Lens
LSL	Linear Spread Lens
SOL	Solite Soft Focus
DCF	Dichroic Filter

MOUNTING

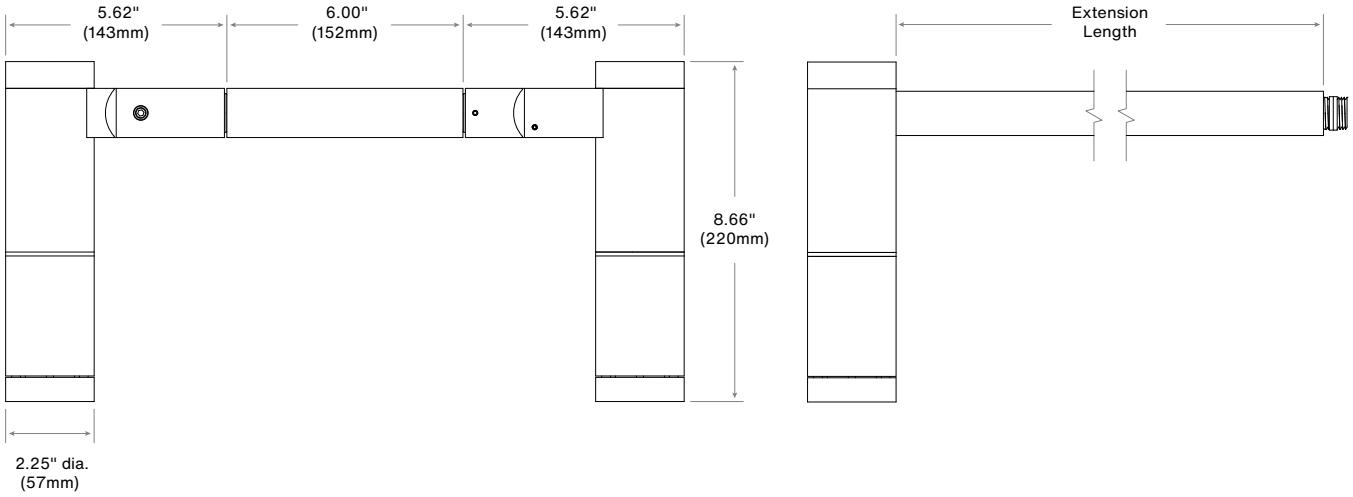
CANOPY MOUNT	
CM5	5" Round Canopy Plate
CM1	3.75" Square Canopy Plate
CM3	4.75" Square Canopy Plate
SURFACE MOUNT	
CB4.0	4" Round Surface Box
CB5.5	5.5" Round Surface Box

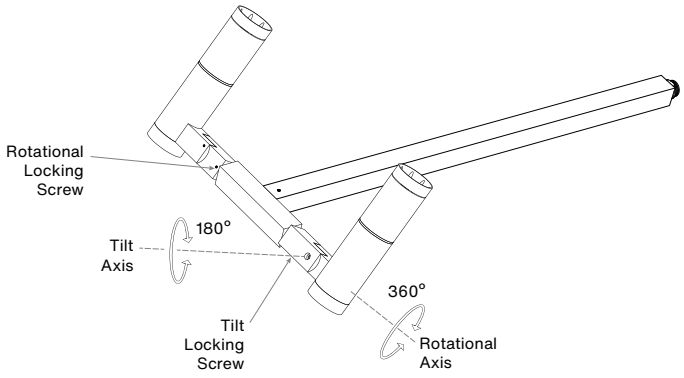
• Most common listed, see Page 4 for additional options

PRODUCT DRAWINGS



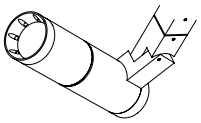
SIGN-2-16Li
24" Extension





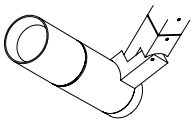
OPTIONS & ACCESSORIES

HOOD OPTIONS



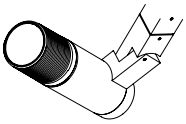
A HOOD

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

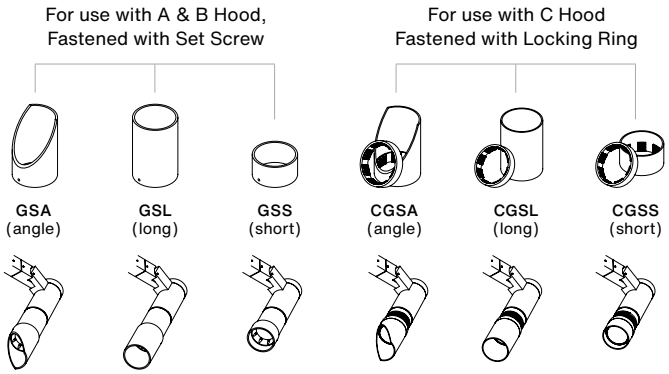
Similar to A hood but without weep holes. Regressed lens for glare control. Suggested for downlighting and interior applications.



C HOOD

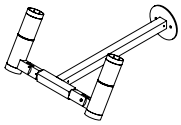
Designed for permanent use with a glare shield and innovative drainage design for water and debris. The machined threads enable ongoing glare shield adjustment, without impact to the paint surface.

OPTIONAL GLARE SHIELD

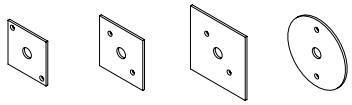


MOUNTING ACCESSORIES

Canopy Mount:

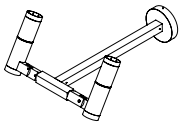


Fixture On CM5

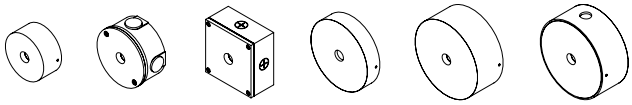


CM2 CM1 CM3 CM5

Surface Mount Box:



Fixture On CB5.1



CB3.5 CB4.0 CB4.0-SQ CB5.1 CB5.5 CB5.5-2K

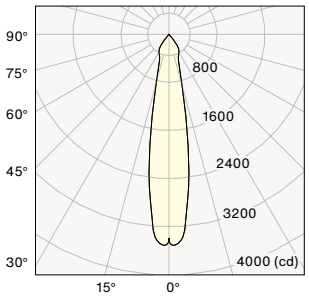
Notes:

PHOTOMETRY & ENERGY DATA

SIGN-1-16Li 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

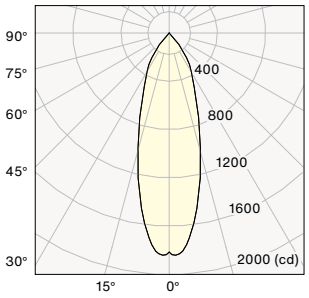
Center Beam (fc)	Beam Diameter	Distance
877	0.7'	2.0'
219	1.4'	4.0'
97	2.2'	6.0'
55	2.9'	8.0'
35	3.6'	10.0'

1/2 Beam Angle: 20.5°

SIGN-1-16Li 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

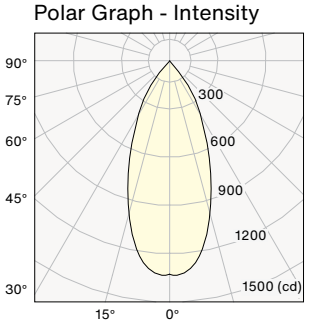
Center Beam (fc)	Beam Diameter	Distance
460	1.2'	2.0'
115	2.3'	4.0'
51	3.5'	6.0'
29	4.6'	8.0'
18	5.8'	10.0'

1/2 Beam Angle: 32.5°

SIGN-1-16Li 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

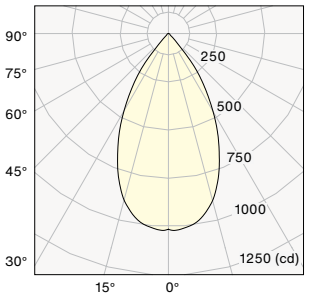
Center Beam (fc)	Beam Diameter	Distance
333	1.6'	2.0'
83	3.2'	4.0'
37	4.9'	6.0'
21	6.5'	8.0'
13	8.1'	10.0'

1/2 Beam Angle: 44.1°

SIGN-1-16Li 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	0.45
7 Watt	0.80
10 Watt	1.14

CCT MULTIPLIER

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