

WLS LIGHTING SYSTEMS

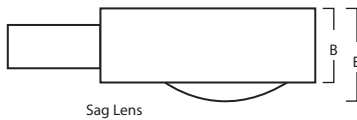
H SERIES

FLAT / CONTOURED LENS
HORIZONTAL / VERTICAL LAMP

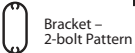
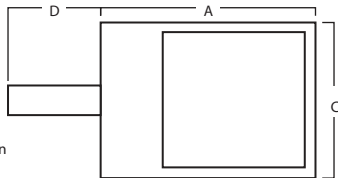


Flat-lensed fixtures meet IESNA full cutoff classification

DIMENSIONS



Sag Lens



Bracket - 2-bolt Pattern

	A	B	C	D	E
H-V	511mm / 20-1/8"	203mm / 8"	371mm / 14-5/8"	152mm / 6"	286mm / 11-1/4"
H-S	511mm / 20-1/8"	203mm / 8"	371mm / 14-5/8"	152mm / 6"	-
H-M	635mm / 25"	203mm / 8"	467mm / 18-3/8"	203mm / 8"	-
H-L	737mm / 29"	254mm / 10"	533mm / 21"	305mm / 12"	-

LUMINAIRE EPA CHART

H Series	H-V 152mm 6" Bracket	H-V 152mm 6" Bracket	H-V 203mm 8" Bracket	H-V 305mm 12" Bracket
Single	1.5	1.4	2.2	3.2
D180°	3.0	2.8	4.0	6.4
D90°	2.4	2.2	3.9	5.1
T90°	3.9	3.6	6.1	8.3
TN120°	3.9	3.6	6.2	8.5
Q90°	4.7	4.4	7.8	10.2
Parallel (uses no arms)	2.4	2.2	3.9	5.1

Note: House Side Shield adds to fixture EPA. Consult factory.



SPECIFICATIONS

HOUSING - One-piece aluminum, available in small, medium, and large. Corners are welded and finished to produce a clean sharp appearance while increasing housing strength and ensuring weather-tight construction.

LENS / GASKET - Clear flat tempered glass lens (H-S, H-M, H-L) and a contoured clear tempered glass lens (H-V) are sealed to the lens frame with EPDM gasketing. The lens frame features a one-piece continuous gasket for maximum sealing to the housing.

DOOR FRAME - Aluminum, with two captive stainless steel door fasteners to provide secure closure and easy access with no loose hardware.

FINISHES - Fixtures are finished with WLS DuraGrip® polyester powder coat finishing process. The DuraGrip® finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, buff, white, satin verde green, graphite, and metallic silver.

REFLECTORS / DISTRIBUTION PATTERNS - Four reflector systems and distribution patterns are available with the H series: Asymmetrical (A), Type III (3) medium distribution pattern for increased pole spacing, Forward Throw (FT) for perimeter lighting applications to eliminate stray light and produce a sharp backside cutoff, and Type V (5) for an even symmetrical distribution pattern. A field-rotatable reflector, which provides flexibility in distribution patterns without moving the fixture, is available with the H-L 1000 Watt Forward Throw fixture only. Photometric data is tested in accordance with IESNA guidelines.

LIGHT SOURCES - Pulse Start Metal Halide, Full Spectrum, Super Metal Halide, Super Metal Halide Reduced Envelope, Metal Halide, Metal Halide Reduced Envelope, and High Pressure Sodium. Clear lamp is supplied as standard.

SOCKETS - Porcelain mogul-based sockets. All sockets are pulse rated.

BALLASTS - High-power factor ballast. Pulse Start Metal Halide, Super Metal Halide, Metal Halide, and 250 watt and above High Pressure Sodium fixtures feature a CWA type ballast. 100 and 150 watt High Pressure Sodium fixtures feature a HX-HPF ballast. All ballasts are designed for -20° F operation, and are mounted to the housing reinforcing plate.

BRACKETS - A 2-1/2" x 5-3/8" x 6" aluminum bolt-on bracket is shipped standard with the H-V and H-S. A 2-1/2" x 5-3/8" x 8" aluminum bolt-on bracket is shipped standard with the H-M. A 2-1/2" x 6" x 12" aluminum bolt-on bracket is shipped with the H-L. A 6" bracket is available for the H-M and H-L in single and D180° configurations. A round pole plate (RPP) is required for mounting to 3" - 5" round poles (See accessories column in the Ordering Information chart).

SHIPPING WEIGHTS - H Series

Catalog Number	Est. Weight (kg/lbs)	Length (mm/in)	Width (mm/in)	Height (mm/in)
H-V	14 / 30	559 / 22	394 / 15.5	394 / 15.5
H-S	14 / 30	546 / 21.5	394 / 15.5	286 / 11.25
H-M	17 / 37	737 / 29	489 / 19.25	343 / 13.5
H-L	27 / 59	775 / 30.5	565 / 22.25	451 / 17.75

Approved By: _____ Project Name: _____

Location: _____ Date: _____

P.O. Box 100519 | Fort Worth, TX 76185 | 800.633.8711 | Fax: 817.735.4824 | www.wslighting.com

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Consider the Impact!

H SERIES

FLAT / CONTOURED LENS
HORIZONTAL / VERTICAL LAMP

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE. Refer to example below.

SERIES	DISTRIBUTION	LAMP WATTAGE	LIGHT SOURCE*	LENS	LINE VOLTAGE ²	LUMINAIRE FINISH	OPTIONS
H-V Vertical Burn	FP - Forward Throw 5 - Type V	150W 175W 250W 320W 400W	PSMH - Pulse Start Metal Halide HPS - High Pressure Sodium	CT - Contoured Clear Tempered Glass	480V MT - Multi Tap ³ TT - Tri-Tap ⁴	BRZ - Bronze BLK - Black PLT - Platinum Plus BUF - Buff WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver CC - Custom Color	6BK - 6" Bracket (H-M and H-L) ⁵ PCR - Photoelectric control Receptacle ⁶ NO - No Options
		175W 250W 320W	FS - Full Spectrum				ACCESSORIES
H-S Horizontal Burn	A - Asymmetrical 3 - Type III FP - Forward Throw 5 - Type V	100W 150W 175W 250W 320W 400W	PSMH - Pulse Start Metal Halide HPS - High Pressure Sodium	FG - Flat Clear Tempered Glass			PC - Photocell ⁷ SF - Single Fusing DF - Double Fusing GS - Glare Shield ⁸ GSR - Glare Shield Rear Mounted ⁸ GSS - Glare Shield Side Mounted ⁸ PGS - Polycarbonate Glare Shield RPP - Round Pole Plate ⁸ BKS-BO-WM - Wall Mount Plate NA - No Accessories
		175W 250W 320W	FS - Full Spectrum				
H-M Horizontal Burn	A - Asymmetrical 3 - Type III FP - Forward Throw 5 - Type V	250W 320W 400W	PSMH - Pulse Start Metal Halide HPS - High Pressure Sodium				
		250W 320W	FS - Full Spectrum				
H-L Horizontal Burn	A - Asymmetrical 3 - Type III FP - Forward Throw ¹	750W 1000W	PSMH - Pulse Start Metal Halide MH - Metal Halide HPS - High Pressure Sodium				
		775W	FS - Full Spectrum				

H-L 3 1000 MH FG MT BRZ NO / NA
(EXAMPLE ORDER)

ORDER:
WLS-H-

FOOTNOTES:

- 1 - H-L-FP - Forward Throw reflectors are field rotatable.
- 2 - For international voltages consult factory.
- 3 - MT - Multi Tap consists of 120V, 208V, 240V, and 277V. Multi Tap is pre-wired for highest voltage. Alternate voltages will require field re-wiring.
- 4 - Tri-Tap is shipped standard for Canadian applications. Tri-Tap consists of 120V, 277V, and 347V. Tri-Tap is pre-wired for highest voltage. Alternate voltages will require field re-wiring.
- 5 - A 6" bracket can only be ordered with single and D180° configurations with the H-M and H-L.
- 6 - PCR factory installed and pre-wired for highest voltage. Alternate voltages will require field re-wiring. Photocell must be ordered separately, see Accessories.
- 7 - Factory installed PCR option required.
- 8 - Black only.

* In accordance with the 2007 Energy Independence and Security Act (EISA), fixtures will no longer be available in Probe Start Metal Halide with wattages from 150 watts through 500 watts for new installations. Replacement parts for existing fixtures are still available.

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