

FEATURES & SPECIFICATIONS

INTENDED USE—For building- and wall-mounted applications.

CONSTRUCTION—Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has a 1/8" thick tempered glass lens. Door frame is fully gasketed with one-piece solid silicone.

FINISH—Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish. Additional architectural colors are available; see www.lithonia.com/archcolors. Striping is also available.

OPTICAL SYSTEM—Segmented reflectors for superior uniformity and control. Reflectors are interchangeable. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw).

ELECTRICAL SYSTEM—Ballast: 50W-150W utilizes a high reactance, high power factor ballast. Metal halide 150W and below are standard with pulse-start technology. 35S utilizes a reactance high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Quick disconnect plug easily disconnects reflector from ballast. Ballasts are copper-wound and 100% factory-tested. CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available 175M SCWA. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

Socket: Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 660V, 600V 4KV pulse rated.

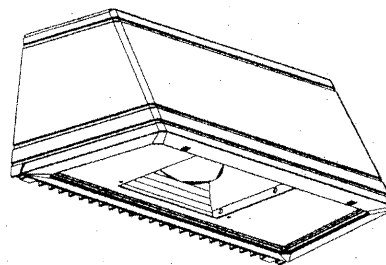
INSTALLATION—Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

LISTING—UL Listed (standard). CSA Certified (see Options). Suitable for wet locations (damp location listed in lens-up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 rated. 25°C ambient. ELED: U.S. Patent No. 7,737,640.

NOTE: Specifications subject to change without notice.

Decorative Wall-Mounted Lighting

WST



METAL HALIDE

50W-175W

HIGH PRESSURE SODIUM

35W-150W

Specifications

Length: 16.25 (41.2)

Depth: 9.13 (23.2)

Overall Height: 7.25 (18.4)

*Weight: 30 lbs (13.6 kg)

* Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: WST 100M FT TB LPI

WST		Distribution		Voltage	Ballast		Options		Lamp ¹⁸
Series									
WST		FT Forward throw		120	(blank) Magnetic ballast		Shipped installed in fixture		LPI Lamp included
Wattage/source		MD Medium throw (coated lamp std.)		208 ²	CWI Constant wattage isolated		SF Single fuse 120, 277, 347V ¹⁰		L/LP Less lamp
		WT Wide throw		240 ²			DF Double fuse 208, 240V ¹⁰		
High pressure sodium	Ceramic metal halide			277			DC12 Emergency circuit 12 volt (35W lamp included std.) ⁶		
35S ¹	50MHC			347	Pulse Start		2DC12 Emergency circuit 12 volt (2, 35W lamps included) ⁶		
50S	70MHC			TB ³	SCWA Super CWA pulse start ballast ⁴		DC2012 Emergency circuit 12 volt (20W lamp included) ⁶		
70S	100MHC			23050HZ ⁵			2DC2012 Emergency circuit 12 volt (2, 20W lamps included) ⁶		
100S	150MHC						ELED Emergency LED secondary source battery pack with time delay (-4°F min. operating temperature) ⁹		
150S							2ELED Emergency LED secondary source (two modules) battery pack with time delay (-4°F min. operating temperature) ⁹		
Metal halide							DFL Diffusing lens		
50M							EC Emergency circuit ^{7,11}		
70M							IBS Internal backlight shield ¹²		
100M							PE Photoelectric cell-button type (n/a TB)^{13,14}		
150M							QRS Quartz restrike system ^{8,11}		
175M ¹⁹							WLU Wet location door for up orientation		

NOTES:

1 120V.

2 Must specify CWI for use in Canada.

3 Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada; ships as 120V/347V).

4 Available with 150M or 150MHC only.

5 Consult factory for available wattages.

6 Not available with ELED, SF, DF, EC or QRS.

7 Not available with ELED, QRS or DCs.

8 Not available with ELED, EC or DCs.

9 Maximum wattage 100M, 70S. Must specify 120V or 277V. Not available with QRS, EC or DC.

10 Not available with DC options.

11 Maximum allowable wattage lamp included.

12 Not available with Medium Throw (MD, MDU, MDU5) distributions.

13 Must be ordered with fixture; cannot be field installed.

14 Not available with 347V.

15 May be ordered as an accessory with prefix "WS". Must specify finish.

16 See www.lithonia.com/archcolors for additional color options.

17 Black finish only.

18 Must be specified.

19 These wattages do not comply with California Title 20 regulations.

Shipped separately

BBW Surface-mounted back box¹⁵

UT5 Uptilt 5 degrees¹⁵

WG Wire guard¹³

VG Vandal guard¹³

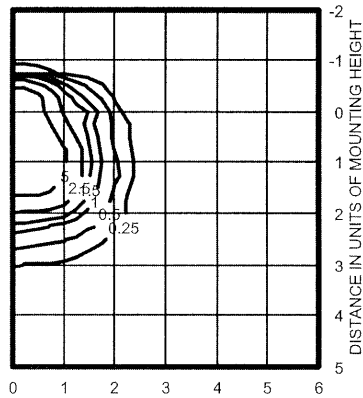


Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

WST Metal Halide, High Pressure Sodium Building Mounted

WST 150MHC FT LTL11069P

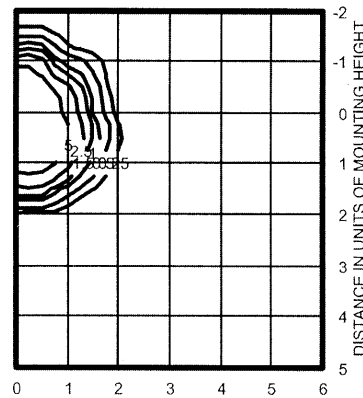
ISOILLUMINANCE PLOT (Footcandle)



150W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 14000 rated lumens.
Luminaire Efficiency: 52.9%

WST 150MHC MD LTL11068P

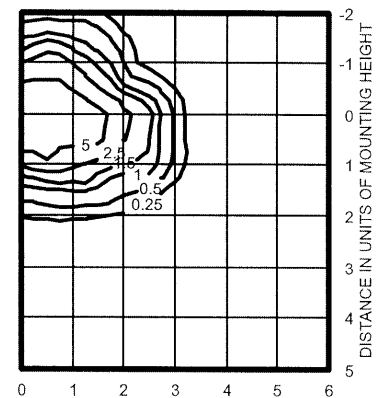
ISOILLUMINANCE PLOT (Footcandle)



150W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 12500 rated lumens.
Luminaire Efficiency: 60.2%

WST 150MHC WT LTL11070P

ISOILLUMINANCE PLOT (Footcandle)



150W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 14000 rated lumens.
Luminaire Efficiency: 62.5%

Lamp	Initial	Mounting Height			
	Lumens	10'	12'	14'	16'
Metal Halide					
50W MH	3,900	0.43	0.30	0.22	0.17
70W MH	5,500	0.62	0.43	0.31	0.24
100W MH	8,500	0.95	0.66	0.48	0.37
150W MH	12,500	1.41	0.98	0.72	0.55
175W MH	12,800	1.44	1.0	0.73	0.56
High Pressure Sodium					
35W HPS	2,250	0.26	0.18	0.13	0.10
50W HPS	4,000	0.45	0.31	0.23	0.17
70W HPS	6,400	0.72	0.50	0.37	0.28
100W HPS	9,500	1.07	0.74	0.54	0.41
150W HPS	16,000	1.80	1.25	0.91	0.70

Emergency Option Lamp Compatibility							
Lamp Options (# lamps/wattages)	DC12	2DC12	DC2012	2DC2012	EC	ELED	2ELED
35S	■	■	■	■	■	■	■
50S	■	■	■	■	■	■	■
70S	■	■	■	■	■	■	■
100S	■	■	■	■	■		
150S	■	■	■	■	■		
50M	■	■	■	■	■	■	■
70M	■	■	■	■	■	■	■
100M	■	■	■	■	■	■	■
150M	■	■	■	■	■		
175M	■	■	■	■	■		