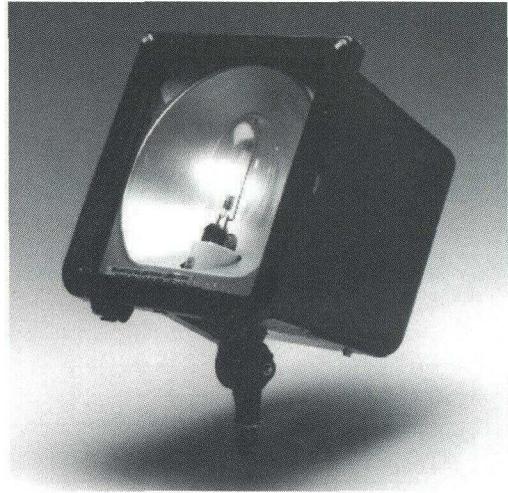


## Microliter® Series

### High Pressure Sodium, Metal Halide

A compact HID floodlight for energy efficient outdoor lighting. Designed for applications such as building facades, sign lighting, display, landscape lighting, general and security lighting.

- Die cast aluminum construction
- Tempered glass lens
- 1/2" threaded knuckle mounting (1/2-14 NPS)
- Silicone gasketing
- Rotatable optics
- Medium base lamps included
- One piece hydroformed parabolic reflector
- Exclusive Anodal® reflector finish
- NPF or HPF ballasts
- Tamper resistant screws, captive
- Hubbell Gard® treated external hardware
- Bronze Lektrocote® finish
- UL 1572 wet location listed
- CSA Certified for outdoor and indoor use (25°C max ambient temperature)
- IP suitability — IP 55



### ORDERING INFORMATION - Lamp included.

Catalog Number <sup>1</sup>	Watts	NEMA Beam		Lamp Type	Voltage	Weight		EPA		Ballast Type <sup>2</sup>
		Spread	H° x V°			lbs.	kg	ft. <sup>2</sup>	m <sup>2</sup>	
<b>NORMAL POWER FACTOR, HIGH PRESSURE SODIUM</b>										
MIC-0050S-651	50	5 (95°)	x 6 (111°)	Coated	120 NPF	8	3.7	.71	.1	RX
MIC-0070S-651	70	5 (90°)	x 6 (102°)	Coated	120 NPF	9	4.1	.71	.1	RX
MIC-0100S-651	100	5 (71°)	x 3 (34°)	Clear	120 NPF	9	4.1	.71	.1	RX
MIC-0150S-651	150	5 (71°)	x 3 (34°)	Clear	120 NPF	10	4.6	.71	.1	RX
<b>HIGH POWER FACTOR, HIGH PRESSURE SODIUM</b>										
MIC-0050S-259	50	5 (95°)	x 6 (111°)	Coated	120/277 <sup>4</sup>	10	4.6	.71	.1	AL
MIC-0070S-256	70	5 (90°)	x 6 (102°)	Coated	120/277/347 <sup>3</sup>	11	5.0	.71	.1	AL
MIC-0070S-258	70	5 (90°)	x 6 (102°)	Coated	120/208/240/277 <sup>4</sup>	11	5.0	.71	.1	AL
MIC-0100S-256	100	5 (71°)	x 3 (34°)	Clear	120/277/347 <sup>3</sup>	13	5.9	.71	.1	AL
MIC-0100S-258	100	5 (71°)	x 3 (34°)	Clear	120/208/240/277 <sup>4</sup>	13	5.9	.71	.1	AL
MIC-0150S-256	150	5 (71°)	x 3 (34°)	Clear	120/277/347 <sup>3</sup>	14	6.4	.71	.1	AL
MIC-0150S-258	150	5 (71°)	x 3 (34°)	Clear	120/208/240/277 <sup>4</sup>	14	6.4	.71	.1	AL
<b>HIGH POWER FACTOR, METAL HALIDE</b>										
MIC-0070H-326	70	2 (22°)	x 2 (19°)	Clear	120/277/347 <sup>3</sup>	11	5.0	.71	.1	AL
MIC-0070H-328	70	2 (22°)	x 2 (19°)	Clear	120/208/240/277 <sup>4</sup>	11	5.0	.71	.1	AL
MIC-0070H-356	70	5 (81°)	x 4 (60°)	Clear	120/277/347 <sup>3</sup>	11	5.0	.71	.1	AL
MIC-0070H-358	70	5 (81°)	x 4 (60°)	Clear	120/208/240/277 <sup>4</sup>	11	5.0	.71	.1	AL
MIC-0100H-326	100	2 (27°)	x 3 (32°)	Clear	120/277/347 <sup>3</sup>	13	5.9	.71	.1	AL
MIC-0100H-328	100	2 (27°)	x 3 (32°)	Clear	120/208/240/277 <sup>4</sup>	13	5.9	.71	.1	AL
MIC-0100H-356	100	5 (86°)	x 4 (62°)	Clear	120/277/347 <sup>3</sup>	13	5.9	.71	.1	AL
MIC-0100H-358	100	5 (86°)	x 4 (62°)	Clear	120/208/240/277 <sup>4</sup>	13	5.9	.71	.1	AL
MIC-0175H-336	175	3 (32°)	x 3 (36°)	Clear	120/277/347 <sup>3</sup>	14	6.4	.71	.1	CWA
MIC-0175H-338	175	3 (32°)	x 3 (36°)	Clear	120/208/240/277 <sup>4</sup>	14	6.4	.71	.1	PLA
MIC-0175H-356	175	6 (103°)	x 5 (81°)	Clear	120/277/347 <sup>3</sup>	14	6.4	.71	.1	CWA
MIC-0175H-358	175	6 (103°)	x 5 (81°)	Clear	120/208/240/277 <sup>4</sup>	14	6.4	.71	.1	PLA

1. Lamp included

2. Ballasts are Class H, -40°F starting (HPS), -30°F starting (MH).

3. Luminaires are shipped wired for 347V.

4. Luminaires are shipped wired for 277V, easily changed to other voltages in the field.

**Note:** Order accessories separately. See Accessories on page 453. For electrical data see Technical information on page 610.

# Microliter® Series

Sample Catalog Number

## MICROLITER SERIES CATALOG LOGIC:

<b>MIC</b>	<b>- 0100</b>	<b>S</b>	<b>- 2</b>	<b>5</b>	<b>8</b>	<b>- PC</b>
series	wattage	lamp type	ballast type	beam distribution	voltage	options

### WATTAGE

0050	50W HPS
0070	70W HPS
0100	100W HPS
0150	150W HPS
0070	70W MH
0100	100W MH
0175	175W MH

### LAMP TYPE

S	High Pressure Sodium
H	Metal Halide

### BALLAST TYPE

2	HPF (HPS)
3	HPF (MH)
6	NPF (HPS)

### BEAM DISTRIBUTION

2	Narrow (Type 2) 70 and 100W MH only.
3	Narrow (Type 3) 175W MH only.
5	Wide (Type 5)

### VOLTAGE

1	120V NPF (HPS only)
6	Tri-Tap 120/277/347V (HPF only). Wired 347V.
8	Quad-Tap 120/208/240/277V (HPF only)
9	Dual-Tap 120/277V 50 HPS (HPF only)

### OPTIONS<sup>1</sup>

PC	Photocontrol (120V only)
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Note: Order accessories separately. See Accessories.

1. Factory installed option, must be ordered with the fixture by adding the appropriate suffix.

## ACCESSORIES - Must be ordered separately

Catalog Number	Description	Weight	
		lbs.	kg
MIC-GS-2 <sup>1</sup>	Glare shield (360°)	.8	.3
MIC-TB	Crossarm trunnion box. Half yoke with large wiring box for mounting to any flat surface.	.8	.3
MIC-SPC-2 <sup>1</sup>	Polycarbonate shield assembly.	—	—
S-302	Pole top slipfitter for 1/2" swivel knuckle. Slipfits 2 3/8" OD pipe.	.8	.3

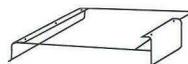
1. For independent use only, consult factory for combinations.



MIC-GS-2



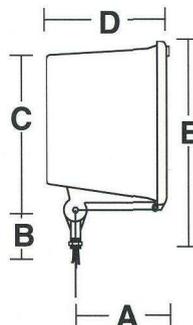
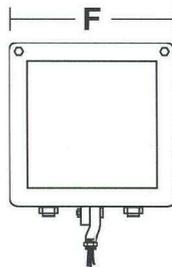
MIC-TB



MIC-SPC-2



S-302



Microliter Series

A	B	C	D	E	F
4 21/32"	2 43/64"	9 15/64"	7 1/32"	12 9/64"	9 15/64"
118 mm	68 mm	235 mm	179 mm	308 mm	235 mm

# HID Ballast Electrical Data — Mercury

## Mercury

Line Volts	Circuit Type	Power Factor	Input Watts	Starting Amps	Operating Amps	Open Circuit Amps <sup>1</sup>	Frequency (Hz)	Fuse Amps <sup>2</sup>
<b>50 WATT</b>			<b>H45 LAMP</b>					
120	AL	NPF	74	2.10	16.0	0.20	60	10
120			74	0.60	0.70	0.30		3
208			74	0.40	0.40	0.20		2
240	CWA	HPF	74	0.30	0.30	0.20	60	2
277			74	0.30	0.30	0.10		2
480			74	0.20	0.20	0.10		2
<b>75 WATT</b>			<b>H43 LAMP</b>					
120	AL	NPF	94	2.90	1.60	0.20	60	10
120			93	0.80	0.80	0.50		3
208			93	0.50	0.50	0.30		2
240	CWA	HPF	93	0.40	0.40	0.30	60	2
277			93	0.40	0.40	0.20		2
480			93	0.20	0.20	0.10		2
<b>100 WATT</b>			<b>H38 LAMP</b>					
120	AL	NPF	125	3.60	2.10	0.50	60	10
120			125	1.00	1.10	0.60		5
208			125	0.60	0.60	0.40		2
240	CWA	HPF	125	0.50	0.50	0.30	60	2
277			125	0.40	0.50	0.30		2
480			125	0.30	0.30	0.20		2
<b>175 WATT</b>			<b>H39 LAMP</b>					
120	AL	NPF	200	5.10	3.30	0.50	60	15
120			205	1.70	1.80	0.90		5
208			205	1.00	1.00	0.50		3
240	CWA	HPF	205	0.90	0.90	0.40	60	3
277			205	0.70	0.80	0.40		3
480			205	0.40	0.40	0.30		2
<b>250 WATT</b>			<b>H37 LAMP</b>					
120	AL	NPF	285	8.30	5.40	0.90	60	20
120			285	2.40	2.50	0.60		10
208			285	1.40	1.50	0.40		5
240	CWA	HPF	285	1.20	1.30	0.30	60	5
277			285	1.10	1.10	0.30		5
480			285	0.60	0.60	0.20		2
<b>400 WATT</b>			<b>H33 LAMP</b>					
120			455	3.20	3.90	1.30		15
208			455	1.90	2.20	0.80		10
240	CWA	HPF	455	1.70	2.00	0.70	60	10
277			455	1.50	1.70	0.60		5
480			455	1.00	1.00	0.20		3
<b>1000 WATT</b>			<b>H36 LAMP</b>					
120			1080	7.50	9.20	1.70		25
208			1080	4.30	5.30	1.00		15
240	CWA	HPF	1080	3.80	4.60	0.90	60	15
277			1080	3.30	4.00	0.80		15
480			1080	1.90	2.30	0.40		10

**Note:** AR = Auto Regulator  
 AL = Auto-Lag  
 CWA = Constant Wattage Autotransformer  
 CWI = Constant Wattage Isolated  
 ER = Electro-Reg®  
 MR = Magnetic Regulator  
 PLA = Peak-Lead Autotransformer  
 RX = Reactor

1. Open circuit amperes are power factor capacitor currents which flow if the lamp draws no current. An example would be hot restart conditions, lamp failure or removed from socket.
2. Fusing is not recommended protection for individual ballast but may be used to isolate a defective unit from a branch circuit.