

**M9700 SERIES
METAL HALIDE 175 WATT MAX.
MODULAR IN-GRADE LUMINAIRE
SINGLE LENS**

TYPE (ST)

MODEL #: M9710AB3870MFL27734BNPTRG

DESCRIPTION:

The M9700 series modular in-grade lights are Multi-Purpose units designed for Flush Mounting in a variety of substrates or materials. The M9700's are used to uplight Architectural and Landscape features. The units consist of a Factory –Sealed, thermally protected Lamp Module. Power Module is in a secured Rough-In section (RIS) which includes Channeled Convective Cooling, an integral Junction Box, and Door Assembly. The M9700 has a small footprint with a cylinder configuration.

SPECIFICATIONS:

DOOR FINISH: Cast aluminum, cast bronze, cast aluminum or bronze with stainless perforated trim insert or Stainless Steel. Round or square with two stainless steel captive fasteners that lock the Lamp Module into the Rough-In Section.

ROUGH-IN SECTION: Injection molded polymer with integral junction box for branch wiring, U.V. stabilized, impact and corrosion resistant for use in all types of environments. Houses Power Module, Lamp Modules and finishing components. Adjustment ring provides 360° aim rotation with keyed section to receive Lamp Module. Ring locks into position with stainless steel fasteners. RIS has a cylinder/vault configuration.

LAMP MODULE: Stainless steel, sealed and purged of all moisture with silicone gaskets, stainless steel clamp band and single fastener. Electrical connection to Lamp Module is done through submersible connector with gold-plated contacts. **THERMALLY PROTECTED. LAMP INCLUDED**

LAMP TYPES: See ordering guide. If a specific lamp is desired, specify manufacturer's lamp number, most lamps can be supplied. **LAMP INCLUDED.**

VOLTAGES: 120V, 208V, 240V, 277V, 347V - 60 Hz, 220V, 230V, 240V - 50 Hz. Some restrictions may apply.

LIGHT DISTRIBUTIONS (Non Reflectorized Lamps):

- TSP (G12 T6 Lamps)
- SP (E-17, Elliptical, PAR-38)
- NFL (E-17, Elliptical, T6)
- MFL (E-17, Elliptical, T6, PAR-38)
- WFL (E-17, Elliptical, PAR-38)
- WW (E-17, Elliptical, T6)

FINISHING SECTION:

Single Lens: Includes 360° Rotolock Module Support Ring and Door Assembly providing maintenance and relamping without re-aiming. Active lenses are available to bend beams for flood and spot distributions (10° tilt and 20°). 5° spread lenses are provided for wall wash distribution. Simple module rotation provides aiming.

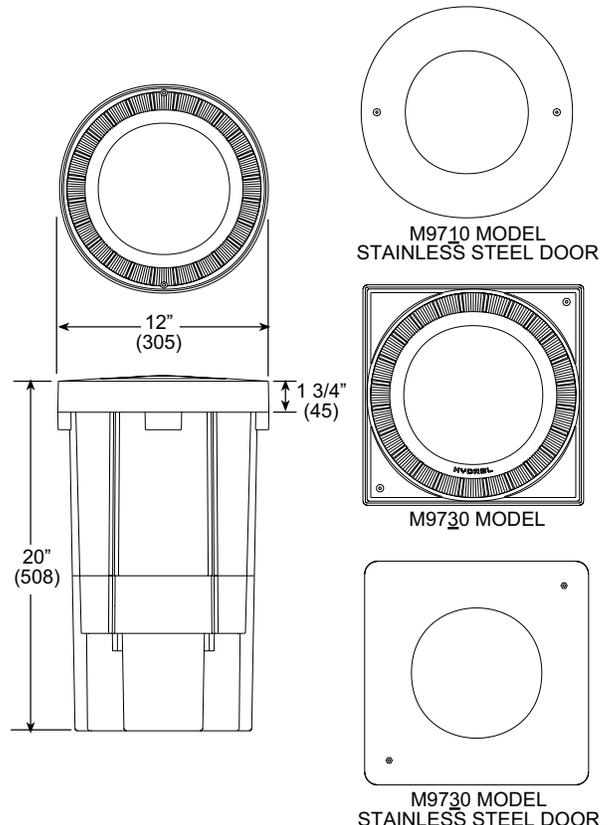
POWER MODULE: Ballast is encapsulated in a custom-heat dissipating epoxy resin to eliminate all moisture intrusion to the ballast. Provided with submersible rated cord/connector for connection to integral junction box and lamp module. HID ballasts are magnetic. **THERMALLY PROTECTED.**

ELECTRICAL ENTRIES/JUNCTION BOX: Two PG 16 or two 3/4" NPT bottom openings, standard. One hole is provided with IP68 cord seal that accepts ø10mm to ø14 mm cable (outside U.S. only). Second hole plugged. Box suitable for through branch wiring. Splicing volume 52 cu. in.

ACCESSORIES: Internal Glare Control, Internal Honeycomb Louvers, Rock Guards, Trim Rings, Re-enterable Potting Compound, Polycarbonate Covers, External Glare Shields are available.

NOTE: HYDREL RESERVES THE RIGHT TO CHANGE ANY SPECIFICATION WITHOUT NOTICE.

Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)





FIXTURE OPTIONS

Ordering and Specification Guide

M9710 A 35MT6 120 TSP 34BNPT STR

Model:

M9710 Round Single Lens
M9730 Square Single Lens

Material:

A Aluminum
B Bronze
ABL Aluminum with black paint
ASP Aluminum with stainless perf.
BBP Bronze with brass perf.
BSP Bronze with stainless perf.
SS Stainless steel

Lamp Type: (Lamp Included)

		US	European
HID			
50S	(HPS)	E17, med. base	Elliptical, E27 base
70S	(HPS)	E17, med. base	Elliptical, E27 base
100S	(HPS)	E17, med. base	Elliptical, E27 base*
150S	(HPS)	E17, med. base	E26**
50M	(MH)	E17, med. base	N/A
70M	(MH)	E17, med. base	Elliptical, E27 base
100M	(MH)	E17, med. base	Elliptical, E27 base
150M	(MH)	E17, med. base	Elliptical, E27 base
175M	(MH)	E17, med. base	N/A
50H	(MV)	E17, med. base	Elliptical, E27 base
75H	(MV)	E17, med. base	N/A
80H	(MV)	N/A	Elliptical, E27 base
100H	(MV)	E17, med. base	Elliptical, E27 base
175H	(MV)	E17, med. base	N/A
35MT6	(MH)	T6, G-12 base	T-6, G12 base
70MT6	(MH)	T6, G-12 base	T-6, G12 base
150MT6	(MH)	T6, G-12 base	T-6, G12 base

HID, PAR Lamps (PAR-38, med. base)***

P3870M	WFL	(MH, 70W, wide flood)
P3870M	FL	(MH, 70W, flood)
P3870M	SP	(MH, 70W, spot)
P38100M	WFL	(MH, 100W, wide flood)
P38100M	FL	(MH, 100W, flood)
P38100M	SP	(MH, 100W, spot)
P38100H	FL	(MV, 100W, flood)
P38100H	SP	(MV, 100W, spot)
P38175H	FL	(MV, 175W, flood)
P38175H	SP	(MV, 175W, spot)

*HID PAR lamps not available with E27 base

**Not CE

***Note: No internal accessories available with E27 base 70S

Voltage:*

60HZ	50HZ
120	22050HZ
208	23050HZ
220	24050HZ
240	
277	
347	

*Not all Voltage/Lamp combinations are available, consult factory for more information.

Distributions:

TSP	(G12, T6 Lamps)
SP	(E-17, Elliptical, PAR-38)
NFL	(E-17, Elliptical, T6)
MFL	(E-17, Elliptical, T6, PAR-38)
WFL	(E-17, Elliptical, PAR-38)
WWD	(E-17, Elliptical, T6)

Conduit Entries:

12BNPT	1/2" NPT bottom
12SNPT	1/2" NPT side
34BNPT	3/4" NPT bottom
34SNPT	3/4" NPT side
1BNPT	1" NPT bottom
PG16B	PG16 bottom
PG16S	PG16 side

Accessories:

FLC5	5° Axial Spread Lens
GS	Glare Shield
IHL38	Internal Honeycomb Louver (PAR-38 Lamps)
IHL	Internal Honeycomb Louver (Non-Adjustable)
ISS	Internal Source Shield (E-17 & T-6 only)
WWL	Wall Wash Internal Louver
LC	Polycarbonate Protective Cover
RG	Rockguard
STR	Stainless Steel Trim Ring, Round
STS	Stainless Steel Trim Ring, Square
FLC10	10° Tilt Lens
FLC20	20° Tilt Lens
PC 2112	20 cu. in. Re-enterable Potting Compound

For Replacement Parts Consult Factory