

- High intensity axial beam optics
- T6 optics are field adjustable from 10° spot to 78° flood
- Round or elliptical shape with lenses
- Now available with efficient LED, T6 and CF optics
- Powder coat finish in 13 standard colors with a polymer primer sealer



OS

1. LUMINAIRE	2. LAMP/BALLAST	3. COLOR	4. OPTIONS		5. MOUNTING
			INTERNAL	EXTERNAL	

1. LUMINAIREOS (*Oculus small*)**2. LAMP/BALLAST**

LED (120-277VAC, 0-10V dimmable)
 OS-30LED-WW (34 watts, 3000K)
 OS-30LED-NW (34 watts, 4000K)
 OS-30LED-BW (34 watts, 5000K)

COMPACT FLUORESCENT (120 thru 277 volt)
 PL-T 26 watt lamp
 OS-26CF

METAL HALIDE (120 thru 277 volt ballast)
 T-6 lamp, parabolic reflector
 OSR-39MHT6 OSR-70MHT6

ELECTRONIC METAL HALIDE (120 thru 277 volt)
 T-6 lamp, parabolic reflector
 OSR-39MHT6EB
 G12 base, T-6 ceramic lamp
 OSR-70MHT6EB

OPTIONAL LAMPS

LAMP 39 (Phillips 39 watt T-6 ceramic, CDM 39/T6/830)
 LAMP 70 (Phillips 70 watt T-6 ceramic, CDM 70/T6/830)

All ballasts are factory wired for 277 volts, unless specified. Lamps not included.

4. OPTIONS

INTERNAL OPTIONS (*The accessories mount internally between the glass and reflector*)

SLN (*Linear spread lens*)
 SWA (*Wide angle spread lens*)
 SRL (*Concentric ring louver*)
 SHX (*Black hexcell louver*)

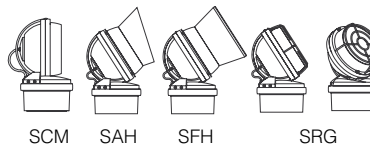
Only one internal option per fixture.



EXTERNAL OPTIONS (*The hoods are aluminum with stainless steel hardware*)

SCM (*Color filter holder*. Use a round glass filter**)
 SAH (*Angled hood shield*)

SFH (*Full hood shield*)
 SRG (*Rock guard*)



* Dichroic filters are available from FX Corporation, 2260 W. 500 North, Hurricane, UT 84737, (435) 635-0239, www.fxlight.com (reference AAL-OS).

5. MOUNTING**CAST STANCHION MOUNT**

18"/460mm x 4"/100mm O.D. aluminum pole. Cast collar slips over the pole and is secured with 3 stainless steel set screws. EPA: 1.8 MST

CAST SADDLE MOUNT

Cast saddle mounts to the side of a 4"/100mm or 5"/125mm O.D. round pole
 MPS 4S

CAST TENON MOUNT

Slips over a 3"/77mm O.D. round post and secured with 3 stainless steel set screws.

MTE

CAST TWIN ARM AND TENON MOUNT

Slips over a 4"/100mm o.d. pole and secured with 6 stainless steel set screws
 MTW

SPECIFICATIONS**HOUSING**

The fixture housing is die cast aluminum. The front cover is secured with four cap screws for relamping and internal access. The front glass element is clear, tempered glass. The front cover and electrical module are sealed with memory retentive, molded silicone gaskets. The lamp module swivels 105 degrees by loosening two stainless steel cap screws. Rotation is a full 360 degrees with a cam lock stop by loosening three set screws. All internal and external hardware is stainless steel.

OPTICAL MODULE

The parabolic reflector is spun aluminum, polished and anodized, that snaps into the front cover with three stainless steel spring clips. Internal accessories are installed between the reflector and inside cover. The adjustable socket assembly is mounted to the back of the lamp housing. The socket can be adjusted from the exterior of the fixture by turning an adjustment screw

ELECTRICAL MODULE

The ballast is mounted on a prewired plate with a quick disconnect plug and removed by loosening two captive screws. Magnetic metal halide ballasts are high power factor, rated for -30°C starting. Electronic metal halide ballasts are rated for -30°C starting, sound rating A. Sockets are pulse rated porcelain, bi-pin, G12 for T-6 lamps and medium base for ED-17 metal halide. Compact fluorescent sockets are 4 pin, GX24q-3,4 with an electronic ballast, -18°C starting. Wired at the factory for 277 volts, unless specified.

FINISH

Fixture finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

See next page

3. COLOR

WH Arctic White	VBU Verde Blue
BL Black	CRT Corten
BLT Matte Black	MAL Matte Aluminum
DB Dark Bronze	MG Medium Grey
DGN Dark Green	AGN Antique Green
TT Titanium	LG Light Grey
WDB Weathered Bronze	RAL Premium Color
MDB Bronze Metallic	CUSTOM ** Contact Factory

JOB _____
 TYPE _____
 NOTES _____

INSTALLATION

The bottom of the ballast housing has a solid brass 1/2" NPT nipple. The housing has two knockouts for other means of mounting.

CERTIFICATION

The fixture is listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no.250.

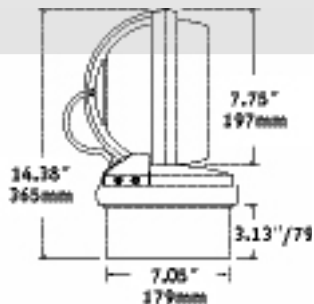
WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

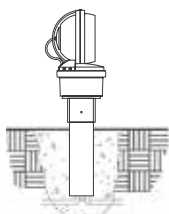
<http://www.hubbellighting.com/resources/warranty/>

AAL reserves the right to change product specifications without notice.

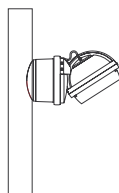
DIMENSIONS



OS WT: 14 lbs. EPA: 0.80



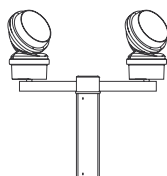
MST



MPS 4N



MTE



MTW

PERFORMANCE CHART

OSR OCULUS MEDIUM WITH REFLECTOR AND 70 WATT T-6 PULSE START METAL HALIDE LAMP

(L) = LAMP IN LOW POSITION, (H) = LAMP IN HIGH POSITION

MODEL	O DEG CP	BEAM ANGLE	FIELD ANGLE	EFF	NEMA CLASS	DISTANCE FROM FIXTURE									
						10'		20'		30'		40'		50'	
						AXIAL	CIRCLE	AXIAL	CIRCLE	AXIAL	CIRCLE	AXIAL	CIRCLE	AXIAL	CIRCLE
						FC	DIA.	FC	DIA.	FC	DIA.	FC	DIA.	FC	DIA.
OSR (L)	80,300	10.4	20.4	77.1	2	803	3.6	200	7.2	89	10.8	50	14.4	32	18.0
OSR (H)	9,010	43	59	76.2	4	90	11.3	22	22.6	10	33.9	5.6	45.2	3.6	56.5
OSR-SWA (L)	6,149	43	78	66.5	5	61	16.2	15	32.4	7	48.6	3.8	64.8	2.5	81.0
OSR-SWA (H)	4,715	45	102	70.6	6	47	24.7	12	49.4	5	74.1	3.0	98.8	1.9	123.5
OSR-SLN (L)	9,621	18V54H	34V66H	66.8	3V4H	96	6.1X26	24	12X26	11	18X39	6	24X52	3.9	31X65
OSR-SLN (H)	3,270	48V82H	94V118H	68.6	3V4H	32	22X33	8	43X67	4	64X100	2	86X133	1.3	107X167

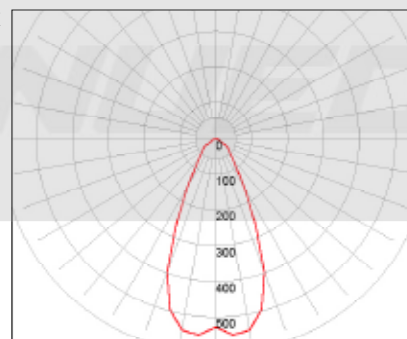
OS 70MHT6

WATTAGE: 95

LUMEN OUTPUT: 4216

EFFICACY: 65.3

ZONE	LUMENS	%LAMP	%LUMINAIRE
0 - 30	2201	35.5%	52.2%
0 - 40	3078	49.6%	73%
0 - 60	3956	63.8%	93.8%
60 - 90	260	4.2%	6.2%
0 - 90	4216	6.8%	100%
90 - 180	0	0%	0%
0 - 180	4216	68%	100%



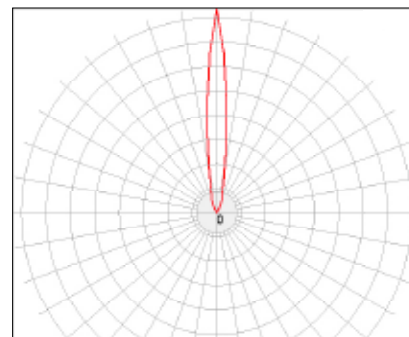
UPLIGHT 0%
DOWNLIGHT 100%

OS 30LED WW

WATTAGE: 34.2

LUMEN OUTPUT: 1340

EFFICACY: 39.2



UPLIGHT 100%
DOWNLIGHT 0%

[IES files can be found at www.aal.net](http://www.aal.net)