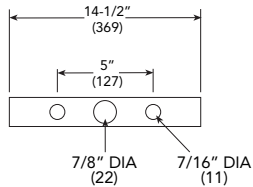
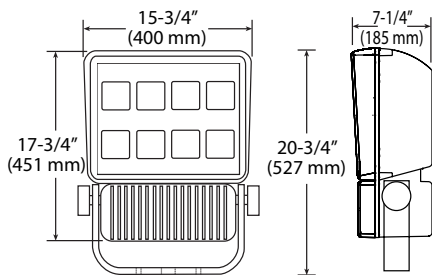




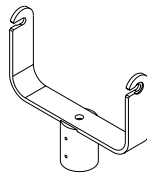
Specifications

EPA:	2.10 ft ² 0.195 m ²
Length:	15-3/4" 400 mm
Width:	7-1/4" 185 mm
Height:	20-3/4" 527 mm
Height ² :	17-3/4" 451 mm
Weight:	58lbs

DIMENSIONS



**YOKE FOOT PRINT
(YM)**



**YOKE WITH
INTEGRAL SLIPFITTER
(YMTM)**

8200 LED FLOOD

371W; 35,000 Lumens

Yoke Mount

HIGHLIGHTS

- COB technology with a precision optical system creating beam uniformity and superior glare control
- Expected service life of over 100,000 hours
- Corrosion resistant, zinc-infused, durable TGIC thermoset powder coat finish
- Copper free aluminum housing
- IP67 rated
- 3G rated

5
YEAR
warranty



IP67



LUMEN PACKAGES

	NFL	MFL	FL	WFL	HFL	VFL
Delivered Lumens	31,582	26,992	25,386	27,145	29,528	29,500
Watts	338	338	338	338	338	338
LPW	93	80	75	80	87	87
Peak Candela	165,587	42,177	23,995	18,589	50,368	50,368

Note: Information based on 4000K @ P3 PerformancePackage

ORDERING INFORMATION

EXAMPLE: 8200 LED P4 40K MVOLT WFL YM SMSA18 BL

Series	Performance Package	Color Temperature	Voltage	Distribution	Mounting	Mounting Accessories (shipped separately)
8200 LED	P1 220 Watt	30K 3000K CCT	MVOLT (120-277V)	NFL Narrow	YM Yoke Mount	EWM_ Ext. Wall Mount Available 18" - 36" in 6" increments
	P2 300 Watt	40K 4000K CCT		MFL Medium	YMTM ¹ Yoke Mount with Tenon Slipfitter (mounts over 2-3/8" OD tenon)	PAR_/_ Pole Arm Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAR5/18)
	P3 338 Watt	50K 5000K CCT		FL Flood		PAS_/_ Pole Arm Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAS4/24)
	P4 371 Watt			WFL Wide HFL Horizontal VFL Vertical		PATR_/_ ² Pole Arm Twin Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATR6/12) PATS_/_ ² Pole Arm Twin Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATS6/12) TNM ³ Tenon Mount
Mounting Accessories (Cont'd)		Accessories	Finish		Listing	
PMSA_ Pole Mount Splice Access		<u>External (shipped separately)</u> ⁴ BD Barn Doors	<u>Options (shipped installed)</u> LDIM 0-10 volt dimming (dims to 10%)		BL Black	STG Steel Gray
PMT ² Pole Mount Tee		FGS Full Glare Shield	PER Photo Eye Receptacle		BZ Bronze	TVG Terra Verde Green
PSSA Ped. Stanchion Splice Access		HGS Half Glare Shield	PEPN Part-night photo eye		DDB Dark Bronze	WH White
SMSA_ Stan. Mount Splice Access (available 12"-48" in 6" increments)		WRG Wire Rock Guard			DNA Natural Aluminum	CF Custom
SMT12/36 ² Stanchion Mount Tee, 12" height, 36" arm length		<u>Safety (shipped installed)</u> LASC Safety Cable			GN Green	__Z ⁵ Zinc Undercoat (i.e. BLZ)
SMT18/36 ² Stanchion Mount Tee, 18" height, 36" arm length					GR Gray	RALTB ⁶ RAL Paint Finishes
SMT24/36 ² Stanchion Mount Tee, 24" height, 36" arm length					SND Sand	Note: RALTB ⁶ for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.

ELECTRICAL LOAD

Light Engines	Drive Current (mA)	System Watts	Current (A)			
			120	208	240	277
P1	750	220	1.83	1.06	0.92	0.79
P2	950	300	2.50	1.44	1.25	1.08
P3	1050	338	2.82	1.63	1.41	1.22
P4	1150	371	3.09	1.78	1.55	1.34

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	P1			
	1.00	0.94	0.90	0.84
	P2			
	1.00	0.93	0.90	0.83
	P3			
	1.00	0.93	0.90	0.83
	P4			
	1.00	0.93	0.90	0.83

Notes:

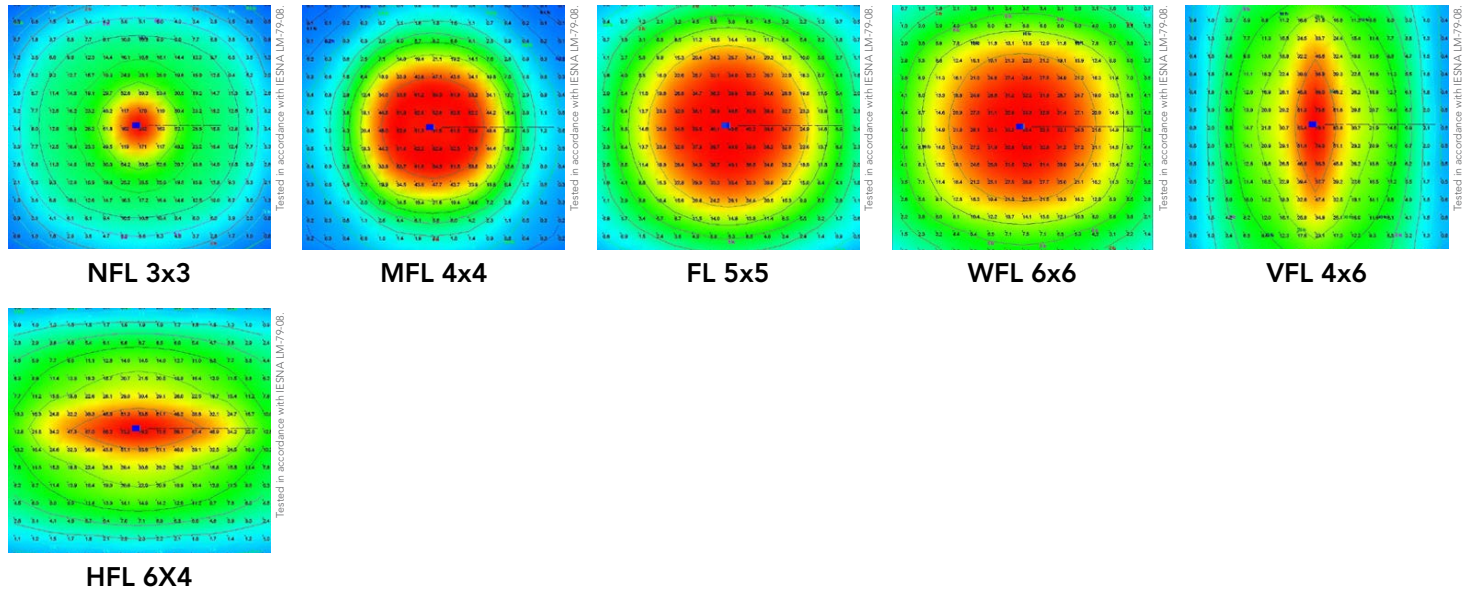
- YMTM mounts over a standard 2-3/8" (T20) Tenon, not valid with mounting accessories except TNM.
- Requires (2) two fixtures per mounting.
- TNM only available with YMTM.
- Each option is mutually exclusive, choose one only.
- Zinc Undercoat - For harsh environments.
- Natatorium rated Hydrel luminaires are built to withstand the elevated temperatures, high humidity and corrosive environments typically associated with natatoriums. Luminaires ordered with the "NT" nomenclature will have a zinc primer undercoat, zinc-infused super durable top coat, stainless steel hardware and IP67 ingress protection. NT is only available with P1 and P2 performance package, unless ambient temperature is below 40°C.

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.99

PERFORMANCE DATA



To see complete photometric reports or download .ies files for this product, visit www.hydrel.com

LUMEN OUTPUT

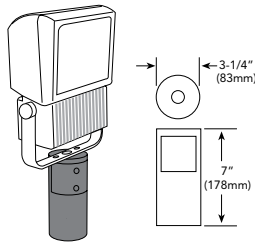
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000K, 70CRI)			40K (4000K, 70CRI)			50K (5000K, 70CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
P1	220W	NFL	35.6	36.7	14.9	15.0	88,793	23,511	107	89,718	23,770	108	74,322	22,367	102
		MFL	61.5	59.9	50.2	43.9	27,058	19,775	90	25,601	18,775	85	27,073	19,167	87
		FL	83.9	82.3	64.9	57.0	15,378	18,017	82	15,735	18,580	84	15,544	17,750	81
		WFL	102.8	101.6	71.6	73.3	12,238	18,470	84	12,693	18,990	86	12,135	18,098	82
		HFL	104.0	63.5	79.0	15.1	27,177	21,065	96	27,702	21,554	98	25,152	20,770	94
		VFL	63.5	104.0	15.1	79.0	26,923	21,080	96	27,702	21,570	98	25,031	20,784	94
P2	300W	NFL	35.6	36.7	14.9	15.0	132,557	29,945	100	154,871	29,295	98	157,166	30,092	100
		MFL	61.5	59.9	50.2	43.9	34,450	25,298	84	38,267	24,886	83	39,462	25,553	85
		FL	83.9	82.3	64.9	57.0	19,587	23,030	77	21,763	23,519	78	21,831	23,984	80
		WFL	102.8	101.6	71.6	73.3	16,821	25,450	85	17,490	25,200	84	17,399	25,663	86
		HFL	104.0	63.5	79.0	15.1	44,765	27,947	93	46,449	26,728	89	46,263	27,817	93
		VFL	63.5	104.0	15.1	79.0	44,765	27,919	93	46,449	26,701	89	46,263	27,789	93
P3	338W	NFL	35.6	36.7	14.9	15.0	143,959	32,425	96	165,587	31,582	93	169,250	32,667	97
		MFL	61.5	59.9	50.2	43.9	37,301	27,392	81	42,177	26,992	80	43,508	27,982	83
		FL	83.9	82.3	64.9	57.0	21,208	24,936	74	23,995	25,386	75	23,849	25,972	77
		WFL	102.8	101.6	71.6	73.3	18,214	27,558	82	18,859	27,145	80	19,149	28,279	84
		HFL	104.0	63.5	79.0	15.1	48,472	30,260	90	50,368	29,528	87	50,585	30,443	90
		VFL	63.5	104.0	15.1	79.0	48,472	30,231	89	50,368	29,500	87	50,585	30,413	90
P4	371W	NFL	35.6	36.7	14.9	15.0	157,265	34,089	92	177,392	34,919	94	175,101	34,631	93
		MFL	61.5	59.9	50.2	43.9	39,218	28,800	78	45,285	29,577	80	45,575	29,510	80
		FL	83.9	82.3	64.9	57.0	22,297	26,217	71	25,556	28,031	76	25,257	27,431	74
		WFL	102.8	101.6	71.6	73.3	19,517	29,201	79	20,321	30,098	81	20,267	29,739	80
		HFL	104.0	63.5	79.0	15.1	51,489	31,802	86	53,720	32,073	86	53,363	31,941	86
		VFL	63.5	104.0	15.1	79.0	51,489	31,770	86	53,720	32,041	86	53,363	31,908	86

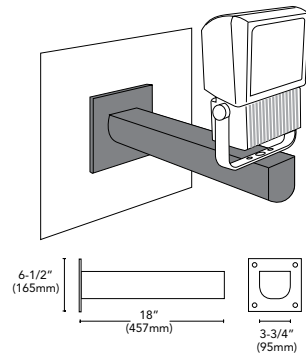
OPERATING TEMPERATURE: -30°C through 50°C (P1 & P2), -30°C through 40°C (P3 & P4).

MOUNTING OPTIONS

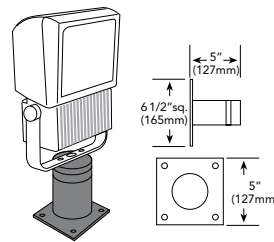
PMSA
7" POLE MOUNT
WITH SPLICE ACCESS
EPA: 0.18



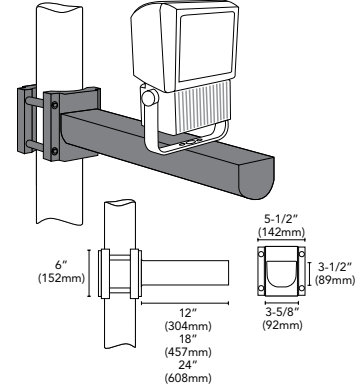
EWM
EXTENDED WALL MOUNT
18" - 36" LENGTHS



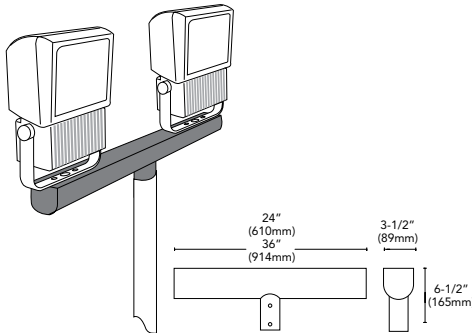
TNM
5" 2 3/8" OD TENON WITH
FLAT MOUNTING PLATE
(Fixture shown with YMTM
slitter option)



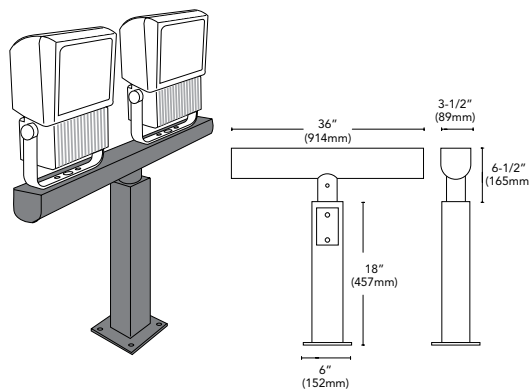
PAR/PAS & PATR/PATS (SINGLE & TWIN ARM)
POLE ARM ROUND/SQUARE
12" - 24" LENGTH AVAILABLE
EPA: 0.52 per 18" arm



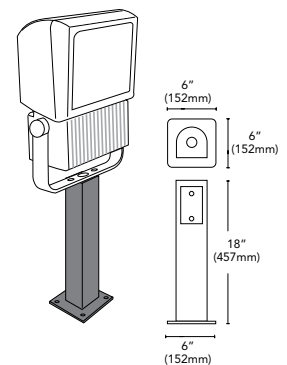
PMT
POLE MOUNT TEE
EPA: 1.05



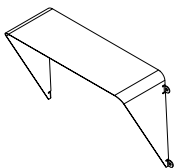
SMT
STANCHION MOUNT TEE
12", 18" or 24" HEIGHTS AVAILABLE



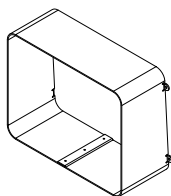
SMSA/PSSA
SMSA STANCHION AVAILABLE IN 12" - 48"
HEIGHTS (example: SMSA18, SMSA24)
PSSA Pedestal Stanchion - 7" HEIGHT



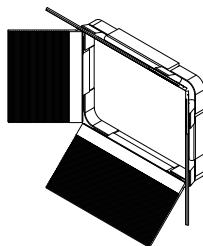
EXTERNAL ACCESSORIES



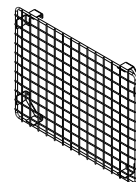
HGS - Half Glare Shield



FGS - Full Glare Shield



BD - Barn Doors



MRG - Wire Rock Guard

SPECIFICATIONS AND FEATURES

CONSTRUCTION: Die cast copper-free aluminum (A360) housing & doors with separate optical and driver compartments to ensure thermal isolation of the electronic drivers.

LED: Chip on board (COB) LED technology with correlated color temperatures (CCT) of 3000K, 4000K, or 5000K (>70 CRI). All within 3MacAdam ellipses.

OPTICS: NEMA flood (3x3 through 6x6), horizontal flood (6x4), vertical flood (4x6).

LENS: Tempered borosilicate glass for maximum resistance to impact and thermal shock.

MOUNTING: YM: Aluminum yoke & stainless steel locking hardware with infinite aiming adjustment capabilities and a wide array of mounting accessories.

YMTM: Yoke mount with integral tenon slip-fitter for mounting over a 2-3/8" (T20) tenon. The 8200 series can withstand up to a 3G vibration load rating per ANSI/IEEE C136.31. Luminaires are provided with 10' of 18-3 ST-W cord for power supply.

GLARE CONTROL: External glare control options include Barn Doors, Full and Half Glare Shields.

ELECTRICAL: MVOLT (120-277) LED power supply. 220-371 watts, minimum of L83 at 100,000 hours at 25°C. Class 1 electronic driver has a power factor >90%, THD<20%, and has an expected life of 100,000 hours with <1% failure rate. 10kV surge protection meets a minimum Category C low operation per ANSI/IEEE C62.41.2.

FINISH: Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climates without cracking or peeling.

LISTING: IP67, CSA, CSA_{US}

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY: 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Consult factory for details.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.