



8200 SERIES

Yoke Mount; 72 LED

DMX Color Changing

HIGHLIGHTS

- 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
- Available in RGBW as custom

5
YEAR
warranty



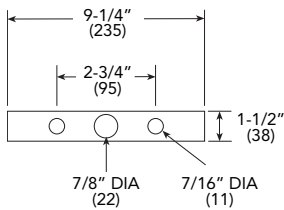
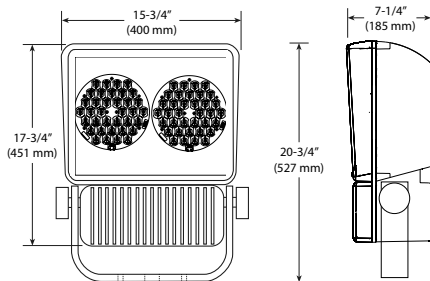
IP67



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:	54lbs

DIMENSIONS



YOKE FOOT PRINT

LUMEN PACKAGES

	NSP	MFL	FL	WFL	HFL
Delivered Lumens	4,109	4,354	4,272	4,301	4,485
Watts	193	193	193	193	193
LPW	21	23	22	22	23

Note: Information based on all colors full on

ORDERING INFORMATION

EXAMPLE: 8200 72LED RGB MVOLT WFL YM RDM BL

Model*	Lamp type*	LED Color*	Voltage*	Distribution*	Mounting*	Mounting Accessories
8200	72LED	RGB Note: Available in RGBW as custom	MVOLT (120-277 Volt)	NSP Narrow Spot MFL Medium Flood FL Flood WFL Wide Flood VWFL Very Wide Flood (no optics) HFL Horizontal Flood	YM Yoke Mount YMTM Yoke Mount with Tenon Slipfitter (mounts over 2-3/8" OD tenon) Note: YMTM not valid with mounting accessories except for TNM	EWM_ Ext. Wall Mt Available 18" - 36" in 6" increments PAR_/_/_ Pole Arm Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAR5/18) PAS_/_/_ Pole Arm Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAS4/24) PATR_/_/_ ¹ Pole Arm Twin Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATR6/12) PATS_/_/_ ¹ Pole Arm Twin Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATS6/12)
Mounting Accessories (Cont'd)		Accessories		Control		Finish*
PMSA_ Pole Mt Splice Access		External ²		RDM ³ Remote device management		BL Black WH White CF Custom __Z ⁴ Zinc Undercoat (i.e. BLZ) RALTBD RAL Paint Finishes Note: RALTBD for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended only use textures paint for Hydrel fixtures.
PMT ¹ Pole Mount Tee		BD Barn Doors				
PSSA Ped. Stanchion Splice Access		FGS Full Glare Shield				
SMSA_ Stan. Mt Splice Access available 12"-48" in 6" increments		HGS Half Glare Shield				
SMT12/36 ¹ Stanchion Mount Tee, 12" height, 36" arm length		WRG Wire Rock Guard				
SMT18/36 ¹ Stanchion Mount Tee, 18" height, 36" arm length						
SMT24/36 ¹ Stanchion Mount Tee, 24" height, 36" arm length						

*Required Catagories

Notes:

- 1 Requires (2) two fixtures per mounting.
- 2 Each option is mutually exclusive, choose one only.
- 3 RDM = Field discoverable and field programmable DMX.
- 4 Add Zinc undercoat for harsh environments.

ELECTRICAL LOAD

Light Engines	Drive Current (mA)	System Watts	Current (A)			
			120	208	240	277
72LED	750mA	193W	1.61	0.93	0.80	0.70

PERFORMANCE DATA

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. Photometric data for underwater lighting is based on the theoretical output of a dry fixture. The final output of a fixture placed in water is determined by the depth that the fixture is placed, the clarity and turbulence of the water and the color of the surrounding concrete and/or tile.

	Distribution	NEMA TYPE	Beam Angle (50%) H x V	Field Angle (10%) H x V	Watts	LPW	Delivered Lumens
All colors full on	NSP	1 x 1	7 x 7	16 x 17	193	21	4,109
	MFL	3 x 3	21 x 21	38 x 38	193	23	4,354
	FL	5 x 5	59 x 63	77 x 81	193	22	4,272
	WFL	6 X 6	90 x 107	121 x 127	193	22	4,301
	HFL	2 x 4	9 x 30	19 x 46	193	23	4,452

OPERATING TEMPERATURE: -30°C Through 40°C

RECOMMENDED CONTROLLERS

Easyl DMX touchscreen

<http://www.acuitybrands.com/products/detail/210270/Fresco/Easyl/Easyl-DMX512A-Show-Controller>



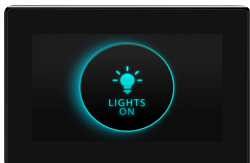
Easyl™ Solo: Is a standalone entry-level controller enabling show creation and playback directly at the LCD touchscreen.

Easyl™ Touch: features an astronomic time clock for automating shows and expands the controller's features by accepting inputs from remote button stations, and button station contact closure inputs.

Easyl™ Pro: is further enhanced by using Easyl Studio™ computer software to create multi-zone shows, and Easyl Pro features a 20 hour DMX512 capture from a theatrical console.

Fresco

<http://www.acuitybrands.com/products/detail/223381/Fresco/Fresco-Touchscreen-Lighting-Controllers>

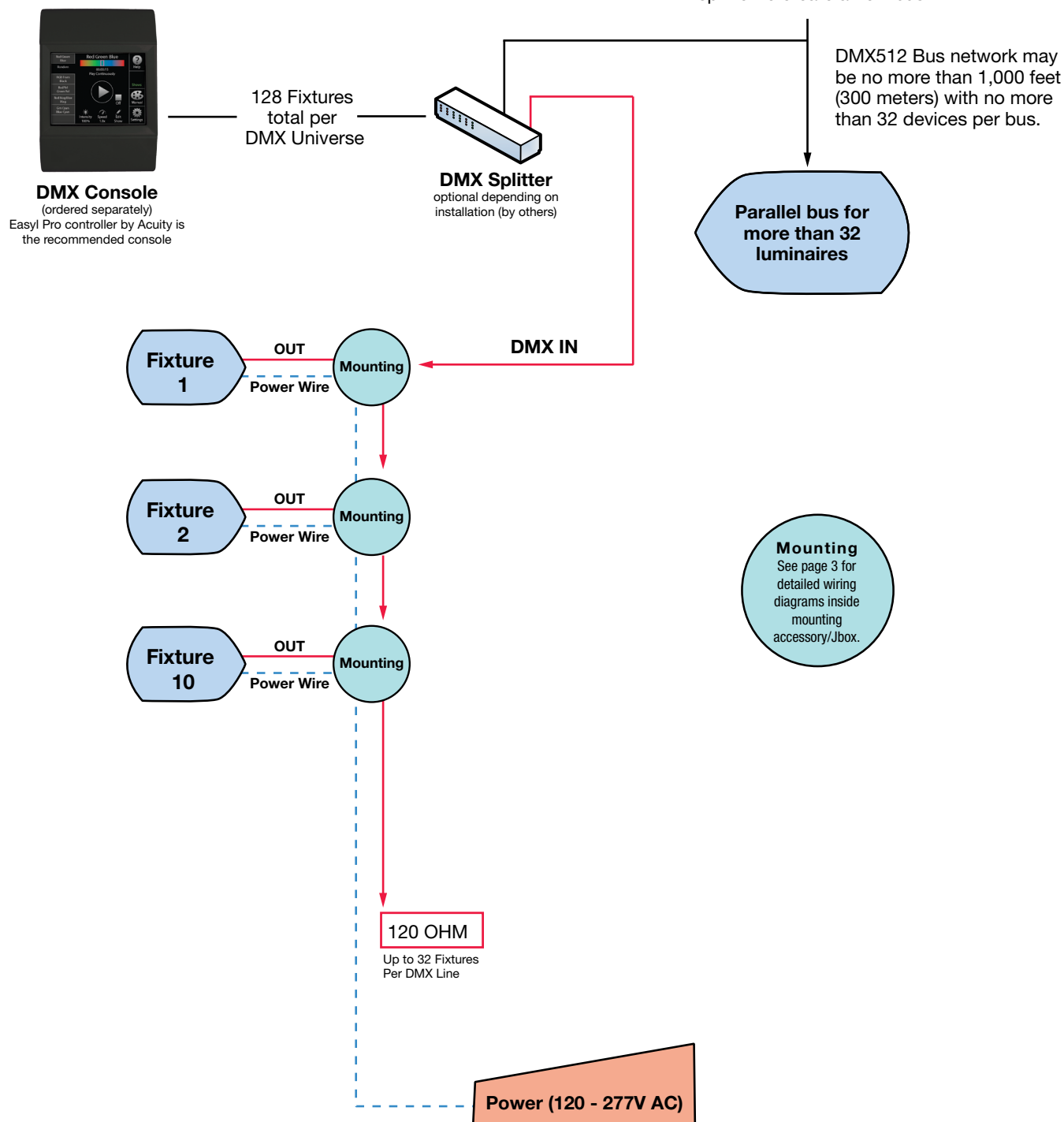


FCS

- Create and edit 36 lighting scenes including intensity, color, and color temperature
- Integral astronomic timeclock with battery backup for system scheduling
- Direct DMX control for 1 universe (512 slots)
- Internal Bluetooth® radio for wireless App control

DMX WIRING - FLOOD

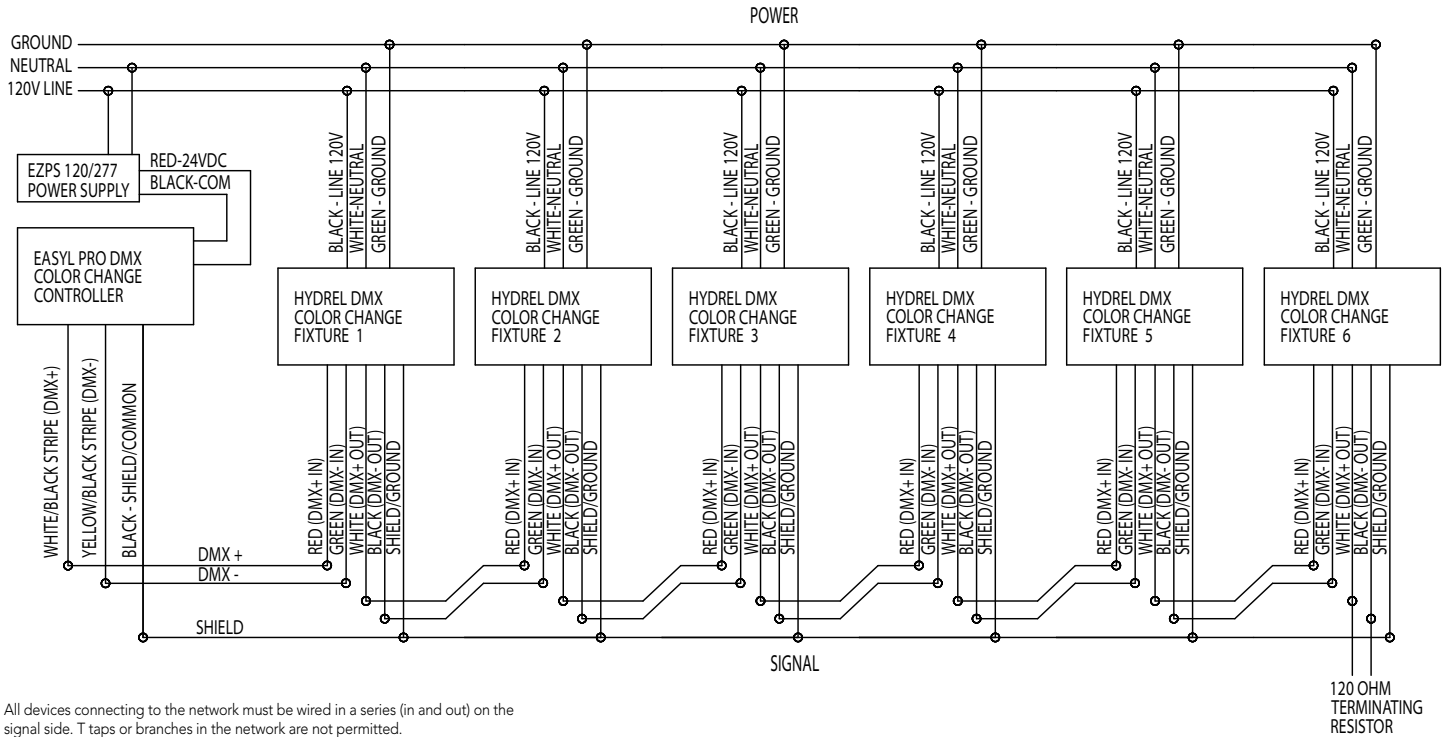
Up to 32 Fixtures Per DMX Line —
if there are more than 32 fixtures use a
splitter to create a new bus.



Notes:

1. DMX512 must be terminated by a 120 ohm resistor.
2. Signal cable by others, cable must be two-pair with a maximum capacitance of 12.8 pF/ft. and a impedance of 120 ohm.

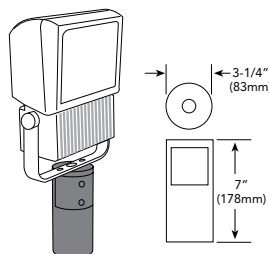
DMX CONNECTION AND TERMINATION - WIRING DIAGRAM



MOUNTING OPTIONS

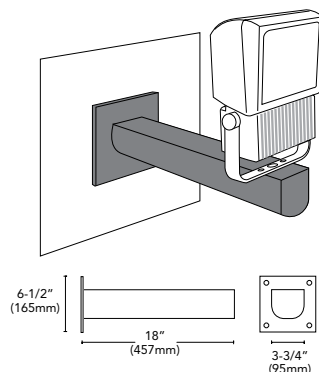
PMSA

7" POLE MOUNT
WITH SPLICE ACCESS
EPA: 0.18



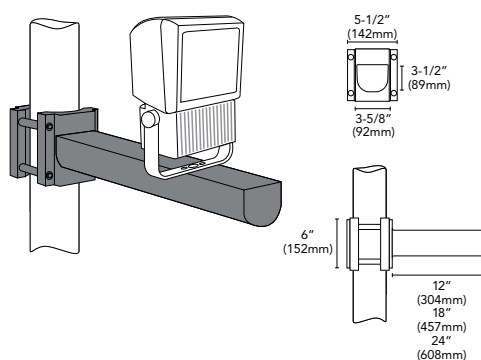
EWM

EXTENDED WALL MOUNT
18" - 36" LENGTHS



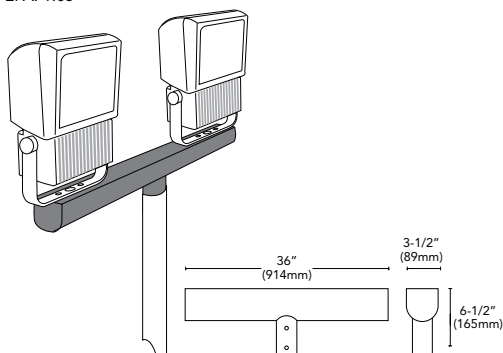
PAR/PAS & PATR/PATS (SINGLE & TWIN ARM)

POLE ARM ROUND/SQUARE
12" - 24" LENGTH AVAILABLE
EPA: 0.52 per 18" arm



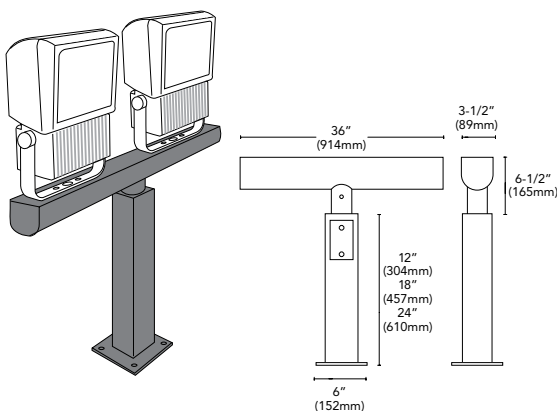
PMT

POLE MOUNT TEE
EPA: 1.05



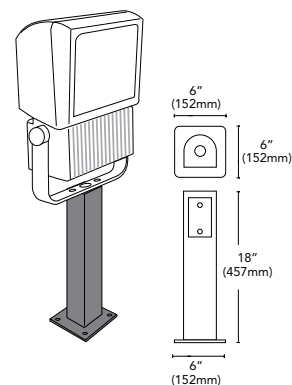
SMT

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

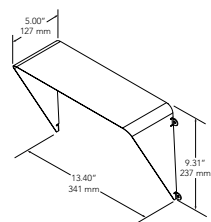


SMSA/PSSA

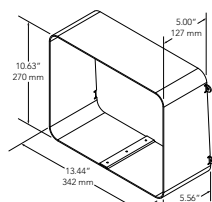
SMSA STANCHION AVAILABLE IN 12" - 48"
HEIGHTS (example: SMSA18, SMSA24)
PSSA Pedestal Stanchion - 7" HEIGHT



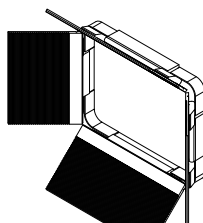
EXTERNAL ACCESSORIES



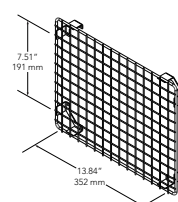
HGS - Half Glare Shield



FGS - Full Glare Shield



BD - Barn Doors



WRG - Wire Rock Guard

SPECIFICATIONS AND FEATURES

MATERIAL: Die Cast Copper Free Aluminum (A360) Housing and Doors.

LED: RGB LED array, 193 input watts max.. Lumen maintenance of individual light sources has been independently tested using IESNA LM80 standards.

OPTICS: NEMA flood (2x2 through 6x6), vertical flood (2x4).

LENS: Flat tempered glass for maximum resistance to impact and thermal shock.

MOUNTING: Aluminum yoke & stainless steel locking hardware with infinite aiming adjustment capabilities and a wide array of mounting accessories. The 8200 series can withstand up to a 3G vibration load rating per ANSI/IEEE C136.31. Luminaires are provided with 10' of 16-3 ST-W cord for power supply and 10' of DMX data cable.

CONTROL: DMX512. Color control is achieved through standard DMX512 hardware, at a maximum of 44 frames per second. All channels have logarithmic power for finer color and intensity control. Compatible with the EasyL and Fresco controllers from Acuity. Controllers must be ordered separately.

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

ELECTRICAL: Integral ELDO RGB power drive, MVOLT (120-277 volt) 50/60HZ LED Power Supply, dims to zero. THD < 20%, class 2 driver with 100% to 0% dimming.

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: CSA, CSA_{US}, IP67

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.