HYDREL

TPS2 SERIES
Yoke Mount
RGB LED Floodlight

HIGHLIGHTS

- "Taper Lock" Yoke infinitely adjust from 0 degrees to 90 degrees for precise aiming
- Copper Free aluminum housing to meet the most demanding lighting environments
- Integral photo cell option with protective aluminum housing
- RDM capable for in-field fixture discovery
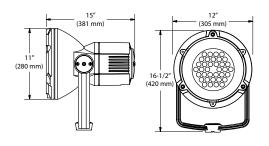- Available in RGBW as custom

5 YEAR warranty

LED

IP66

Architainment Color

Buy American

Specifications

EPA:	1.0 ft²
	0.093 m²
Length:	15"
	381 mm
Width:	12"
	305 mm
Height:	16-1/2"
	420 mm
Height²:	11"
	280 mm
Weight:	21 lbs

DIMENSIONS

15" (381 mm)
11" (280 mm)
12" (305 mm)
16-1/2" (420 mm)

LUMEN PACKAGES

	NSP	MFL	FL	WFL	HSP	HFL
Delivered Lumens	1,850	1,900	2,003	1,660	1,930	1,890
Watts	97	97	97	97	97	97
LPW	19	20	21	17	20	19

Note: Information based on all colors full on

sixteen5hundred	Project 21-12877-3 Date 6/25/2021 RGB/W | Saturated Color Submitted By 16500, INC	Catalog Number TPS2 36LED RGB MVOLT FL YM RDM BL Notes	Type

ORDERING INFORMATION

EXAMPLE: TPS2 36LED RGB MVOLT NSP YM PAR4/18 RDM BL

Series*	Lamp type*	Color*	Voltage*	Distribution*		Mounting*	Mounting Accessories	
TPS2	36LED	RGB *Note: Available in RGBW as custom*	MVOLT (120-277 volt)	NSP MFL FL WFL HSP HFL	Narrow Spot Medium Flood Flood Wide Flood Horizontal Spot Horizontal Flood	YM Yoke Mount	EWM_ PAR_/__ PAS_/__ PATR_/__ [1] PATS_/__ [1]	Ext. Wall Mt available 12"-48" in 6" increments Pole Arm Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAR5/18) Pole Arm Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAS4/24) 1 Pole Arm Twin Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATR6/12) 1 Pole Arm Twin Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATS6/12)

Mounting Accessories (Cont'd)		Control*	Accessories	Finish*			
WPTL ARTL PMT [1] PMSA SMSA_ SMT12/24 [1] SMT18/24 [1] SMT24/24 [1]	Wall Plate w/ Taper Lock Arch. Junction Box w/Taper Lock Pole Mount Tee Pole Mt Splice Access Stan. Mt Splice Access available 12"-48" in 6" increments Stanchion Mt Tee, 12" height Stanchion Mt Tee, 18" height Stanchion Mt Tee, 24" height	RDM Remote device management *RDM = Field discoverable and field programmable DMX*	**Internal** IHL Internal honeycomb louver **External** GS Glare shield FGS Full glare shield *Note: External options are mutually exclusive, choose one.*	BL BZ DDB DNA GN GR	Black Bronze Dark bronze Natural aluminum Green Gray	SND STG TVG WH CF __Z [2] RALTBD	Sand Steel gray Terra verde green White Custom Zinc undercoat (i.e. BLZ) 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 that Hydrel products only use textured paint.*

* Required Field

Notes:
1   Requires two fixtures per mounting.
2   Add Zinc undercoat for harsh environments.

ELECTRICAL LOAD

			Current (A)			
Light Engines	**Drive Current (mA)**	**System Watts**	120	208	240	277
18 LED	750	97	0.81	0.47	0.40	0.35

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.

	Distribution	NEMA TYPE	Beam Angle (50%) H x V	Field Angle (10%) H x V	Watts	LPW	Delivered Lumens
	NSP	1 X 1	6 X 7	17 X 17	97	19	1,850
	MFL	3 x 3	21 X 21	37 X 37	97	20	1,900
	FL	5 x 5	64 X 64	84 X 81	97	21	2,003
All colors full on	WFL	6 X 6	109 X 93	128 X 123	97	17	1,660
	HSP	4 x 2	38 x 8	52 x 18	97	20	1,930
	HFL	2 x 4	8 x 38	18 x 52	97	19	1,890
	SYM	1050	72	900	13	1	2

HYDREL

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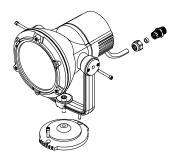
Fresco
http://www.acuitybrands.com/products/detail/223381/Fresco/Fresco/Touchscreen-Lighting-Controllers

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)
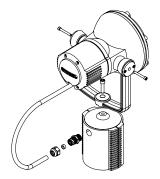- Internal Bluetooth® radio for wireless App control

MOUNTING ACCESSORIES

WPTL
Die-cast aluminum Wall Mount Plate designed for surface mounting of the taper lock yoke on the TPS fixture to any surface.

WMTL
Die-cast aluminum Wall Mount cover for mounting the TPS series fixtures with the taper lock yoke can be used over a recessed or surface mount conduit.

ARTL
The Architectural Junction Box is a die-cast aluminum accessory for direct mounting of the TPS series lighting fixtures.

EXTERNAL ACCESSORIES

FGS — Full Glare Shield
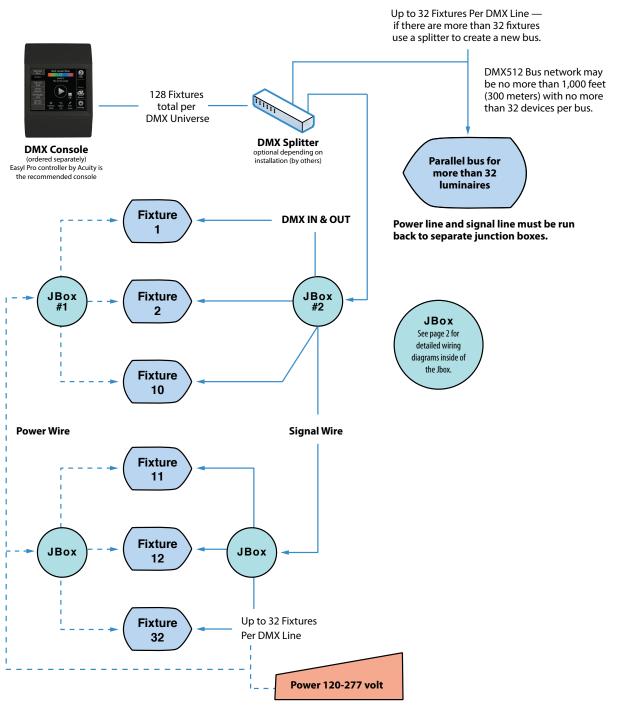Formed aluminum with A360 die-cast mounting ring, field installable.

GS — Glare Shield
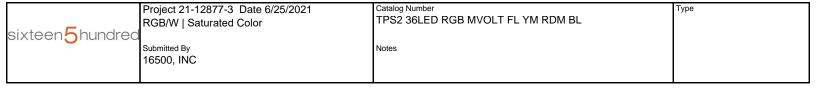Formed aluminum with A360 die-cast mounting ring, field installable.

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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.

DMX512 Bus network may
be no more than 1,000 feet
(300 meters) with no more
than 32 devices per bus.

128 Fixtures
total per
DMX Universe

DMX Splitter
optional depending on
installation (by others)

DMX Console
(ordered separately)
Easyl Pro controller by Acuity is
the recommended console

**Parallel bus for
more than 32
luminaires**

**Power line and signal line must be run
back to separate junction boxes.**

Fixture 1

DMX IN & OUT

JBox #1

Fixture 2

JBox #2

JBox
See page 2 for
detailed wiring
diagrams inside of
the Jbox.

Fixture 10

Power Wire

Signal Wire

Fixture 11

JBox

Fixture 12

JBox

Fixture 32

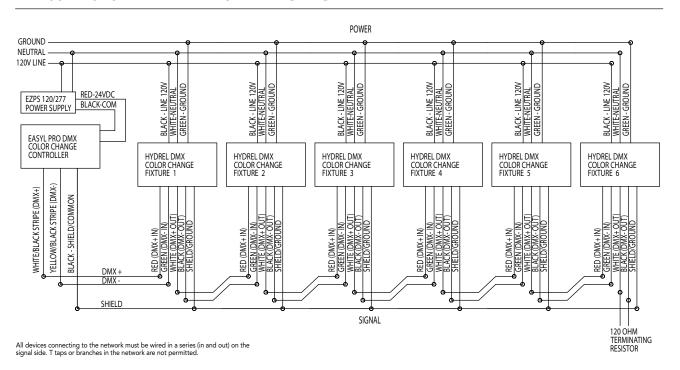Up to 32 Fixtures
Per DMX Line

Power 120-277 volt

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
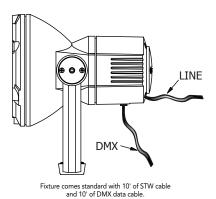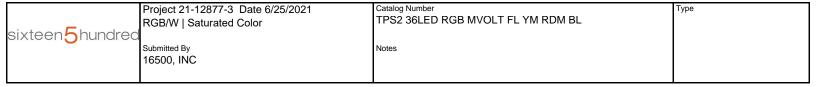   of 12.8 pF/ft. and a impedance of 120 ohm.

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DMX CONNECTION AND TERMINATION - WIRING DIAGRAM

All devices connecting to the network must be wired in a series (in and out) on the signal side. T taps or branches in the network are not permitted.

Fixture comes standard with 10' of STW cable and 10' of DMX data cable.

SPECIFICATIONS AND FEATURES

MATERIAL: Die Cast Aluminum (A360) housing, Galvanized Steel brackets, black silicone gaskets with stainless steel fasteners.

LED: RGB LED to 97 watts. Lumen maintenance of individual light sources has been independently tested using IESNA LM80 standards.

VOLTAGE: MVOLT

OPTICS: NEMA flood (2x2 through 6x6), horizontal flood, horizontal spot.

LENS: Flat tempered glass for maximum resistance to impact.

MOUNTING: Yoke mounted with 10' of 16-7 STW flexible cord for power 10' of DMX data cable.

GLARE CONTROL: Internal glare control and external glare control available.

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 using a 0-10V dimmer.

CONTROL: DMX512 direct via 5 wire DMX cable or ethernet cable (by others). Compatible with the EASYL and FRESCO DMX controllers. All channels run at a maximum of 44 frames per second and have logarithmic power for finer color and intensity control.

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.

FASTENERS: Stainless steel.

BUY AMERICAN: Hydrel products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT. Please refer to www.acuitybrands.com/buy-america.

LISTING: CSA, CSA$_{US}$, IP66

PATENT NO.: US D663,877 S

WARRANTY: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

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.