

DIVE INTO COLOR

RGBW Underwater Lighting
for Swimming Pools



Main pool: Light Blue Pool Tiles with 4426 LED SWM WFL to the left and 4426 LED RGBW WFL in Bright Aqua Lighting to the right
Hot Tub: Bright Aqua Tiles with 4800 SWM LED MFL



Main pool: Light Blue Pool Tiles with 4426 LED SWM WFL to the left and 4426 LED RGBW WFL in Purple Lighting to the right
Hot Tub: Purple Tiles with 4800 SWM LED MFL

ABOUT HYDREL

For over sixty years, Hydrel has continued to engineer a genuinely water-proof underwater fixture and the desire to innovate. Today, as a leading designer and builder of architectural luminaires, Hydrel offers remarkable knowledge of the complex demands of underwater lighting.

Committed to the highest standard in lighting performance, Hydrel incorporates innovative sealing capabilities, superior materials, and long-lasting finishes. The results are luminaires that withstand decades of use with minimal maintenance and unmatched structural integrity.

Hydrel is a premier brand of outdoor architectural, aquatic, and landscape lighting luminaires. Combining today's smaller, more efficient sources, Hydrel achieves photometric performance seldom experienced in outdoor lighting — a soft, uniform illumination that is noticeably superior.

MAKE ORDINARY EVENINGS EXTRAORDINARY.

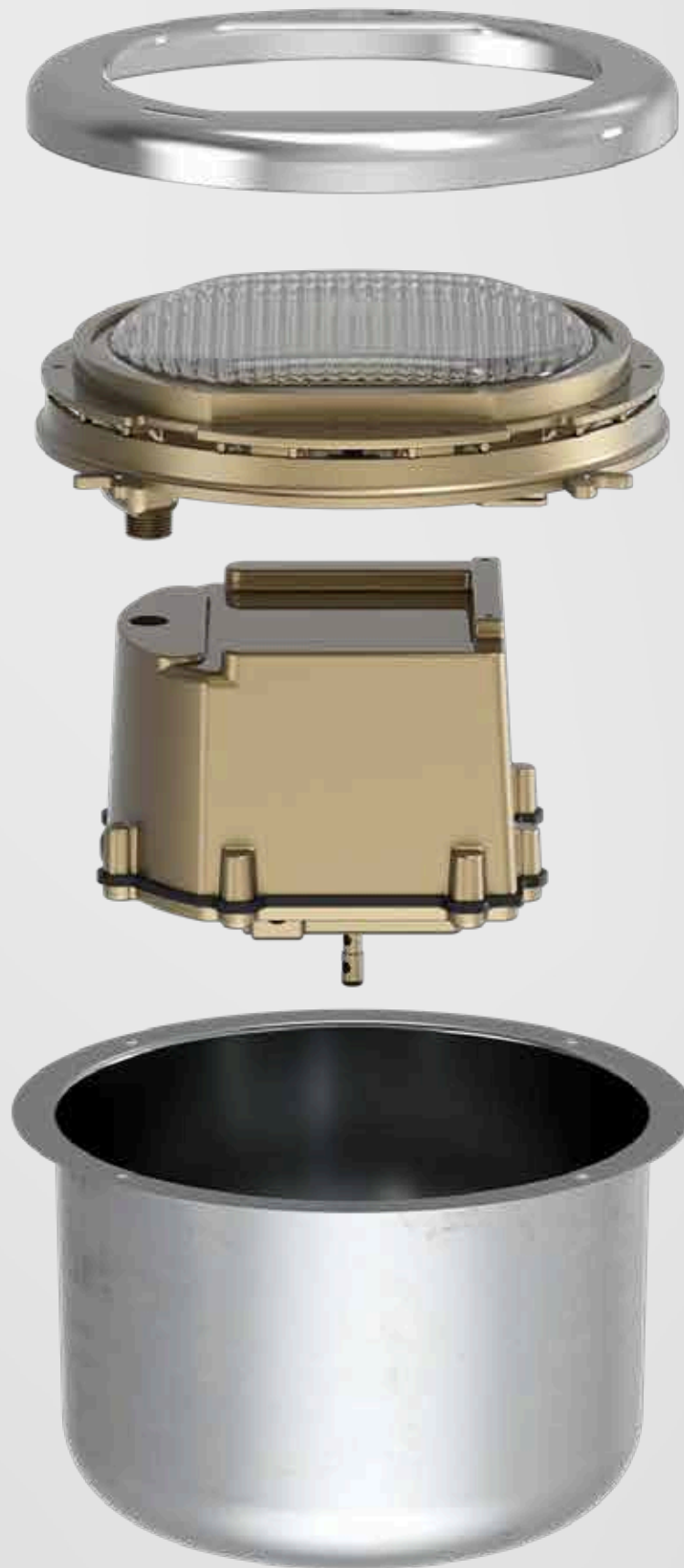
Visit [Hydrel.com](https://www.hydrel.com)



4800 SWM LED, 554 Lumens

GOOD VIBES WITH GOOD DESIGN

Swimming pool lights require special safeguards! Hydrel offers an extensive line of underwater swimming pool lighting designed to meet the most demanding requirements of commercial, competition, and residential pools. Wet niche units are available in line-voltage and low-voltage models.



4426 LED SWM

Make a Splash with Color

It's not just about RGB color choices, but quality LED lighting. 4426 series offer a powerful beam with the right amount of diffused light, creating a uniformly lit basin and an inviting atmosphere.

Enjoy the Swim

Low maintenance, the 4426 series is long-lasting, with 100,000+ hours of operation, and provides optimized energy performance for indoor and outdoor swimming pools, fountains, reflecting pools, and waterfalls.

Keeping it Cool

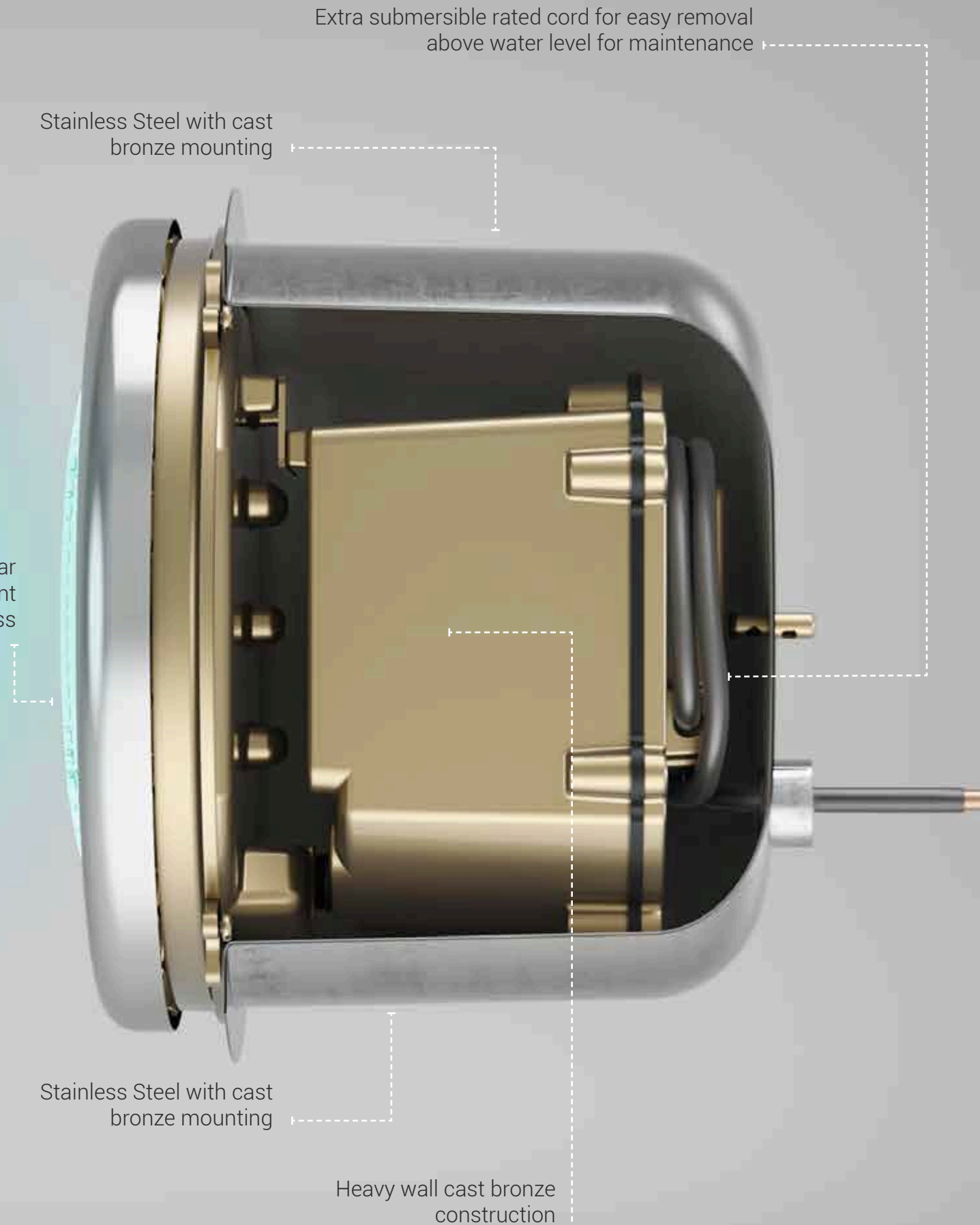
These luminaires feature a modular design exclusive to Hydrel, precision reflectors, optically active lenses, a polymer rough-in section, watertight connectors, and a dry air purge to underwater seals, creating a low-maintenance and long-lasting fixture.

Applicable for freshwater and saltwater swimming pool installations.

IT'S NO ORDINARY FIXTURE

The 4426 Niche Mount underwater luminaire provides superior lumen maintenance and optimized energy performance. The 4426 Underwater Luminaire Series is also available for fountains, decorative pools and water features.

- 100,000+ hours of operation
- Replaceable driver in the field
- Heavy wall cast bronze construction
- Natural cast bronze, saltwater bronze, or stainless-steel finish
- Tempered borosilicate clear lens and silicone gaskets
- Seven distributions, including a narrow spot and very wide flood to cover most applications.
- Narrow spot produces 147,374 max candelas.
- Up to 10,985 delivered lumens
- Wet Niche listed
- Twist & locking mount for easy installation
- Available in static white, amber, monochromatic, RGB and RGBW
- IDIM or DMX controls
- Available as a niche mounted for swimming pool or reflection pool/fountain light



POOL FIXTURE GUIDE



4421C LED SWM



4426 Static White



4426 RGB



4800 LED SWM

	4421C is a static white, wet niche swimming pool fixture. The fixture will accentuate pools with breathtaking color temperatures, offering the latest LED innovations and advanced energy-saving technology.	44- and 86- watt LED Niche Mount luminaire with superior lumen maintenance and optimized energy performance. Applicable for wet niche mounted fresh and saltwater swimming pool applications.	For dynamic color-changing pools, the 4426 RGB provides superior lumen maintenance and optimized energy performance for wet-niche-mounted swimming pools. RGBW is available as custom.	The 4800 Series fixture is a wet niche-mounted pool light with temperature-sensing low water cut-off. The unit is smaller in size than conventional units. It uses 120- or 12-volt LED.
Material	Bronze	Bronze, Saltwater Bronze, Stainless Steel		Bronze, Stainless Steel
Lumens	Up to 5343	Up to 10985	Up to 2,003	Up to 554
Wet Niche	✓	✓	✓	✓
Cord length	35'-120' of cord available in 5' increments			
4 color temperatures and 4 colors (white, blue, green, red, phosphor converted amber)		120 Volt	120 Volt	120 or 12 Volt
5 color temperatures via 12 VAC	✓			
Amber 590nm (Turtle-friendly)				✓
Wide number of dynamic color shows via 120 VAC operation			✓	
In-line Dimming (to 40%)		✓		✓
In-line Dimming (Dim to Dark)	✓			
Low Voltage			✓	
Distribution	Flood	Narrow spot, Medium flood, Flood, Wide flood, Very wide flood (no optics), Horizontal spot, Horizontal flood	Narrow spot, Medium flood, Flood, Wide flood, Horizontal spot, Horizontal flood	Narrow Spot, Medium Flood
Accent lighting (water features, steps, shelves and more)	✓	✓	✓	✓
cCSAus listed, submersible luminaire suitable for swimming pools, certified to UL Standards UL-676 & UL-8750	✓	✓	✓	✓
Power Consumption	54W	18LED/44W and 36LED/86W		9W
Warranty	5 Years	5 Years	5 Years	5 Years
Pool Type	Commercial and Residential Pools Gunite			
Pool Stage	New construction, Renovation or Replacement/Repair			
LIGHTING CONTROLS AND TRANSFORMERS				
Hydrel offers luminaires and lighting controls for maximum features and endless possibilities.				
DMX/RDM			✓	
On/Off	✓	✓	✓	✓
Dimmer	✓	✓		✓
T1900 Isolated transformer				✓

*Note: Performance color will vary based on color temperature and distribution. Please refer to spec sheets for complete product details.



Pool: Blue Pool Tiles, 4426 LED RGBW WFL in Bright Aqua Lighting
Landscape: Palm 4000K 45DEG
Building Mounted: Lowell 4000K Flood



Pool: Blue Pool Tiles, 4426 LED RGBW WFL in Amethyst Lighting
Landscape: Palm 4000K 45DEG
Building Mounted: Lowell 4000K Flood

Formula
Pool Size:

END-TO-END SYSTEM

Connect landscape lighting, fountains, and underwater swimming pool with one control center. Easily dim to set the right mood.

CONTROLS SYSTEM DESIGN

Knowing the basic principles of optimizing the performance of LED lighting makes all the difference in pool illumination. Control your pool lighting with a variety of options. Wet-niche fixtures are available in cool white to warm white and RGB.

On/Off Switch

- Place all lights on the same on/off circuit.

DMX/RDM Controller

- Control colored lights with the DMX512 Controller. The 4426 RGB has a DMX input. The RDM enabled DMX input permits easier and faster installation, and the LED board incorporates a microprocessor handling and communicating data such as Device ID, DMX Address, color, intensity, temperature, humidity, duty hours & status.
- Each colored light can be controlled individually
- All DMX wiring must follow the DMX512-A/RDM standard (ANSI E1.1). It must be daisy chained and terminated per the standard.

Transformer

- Always upsize the transformer with at least a 20% buffer to ensure it can handle surges. For example: if you're installing four 24-watt LED lights, use a 300-watt transformer instead of a 100-watt unit.

RECOMMENDED DMX/RDM CONTROLLERS



EASYI™

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

EasyI™ Touch: Control 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.

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

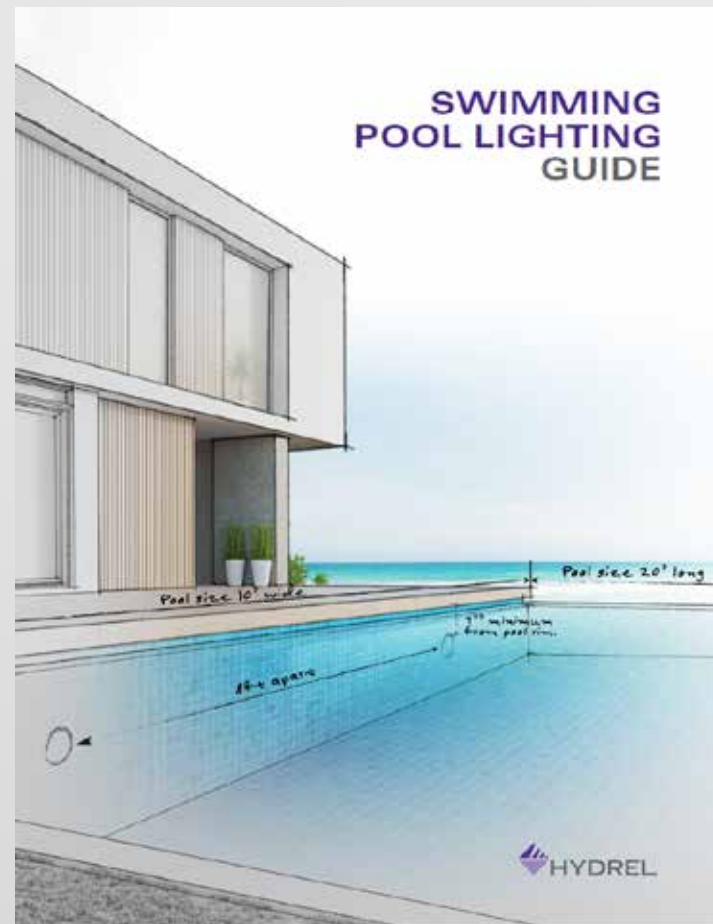


FRESCO

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

ADDITIONAL RESOURCES



[Underwater Swimming Pool Lighting Guide >>](#)



[Lighting Solutions for Fountains and Water Features >>](#)



[Hospitality Lighting Solutions | Find Your Perfect >>](#)



LET'S CONNECT



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