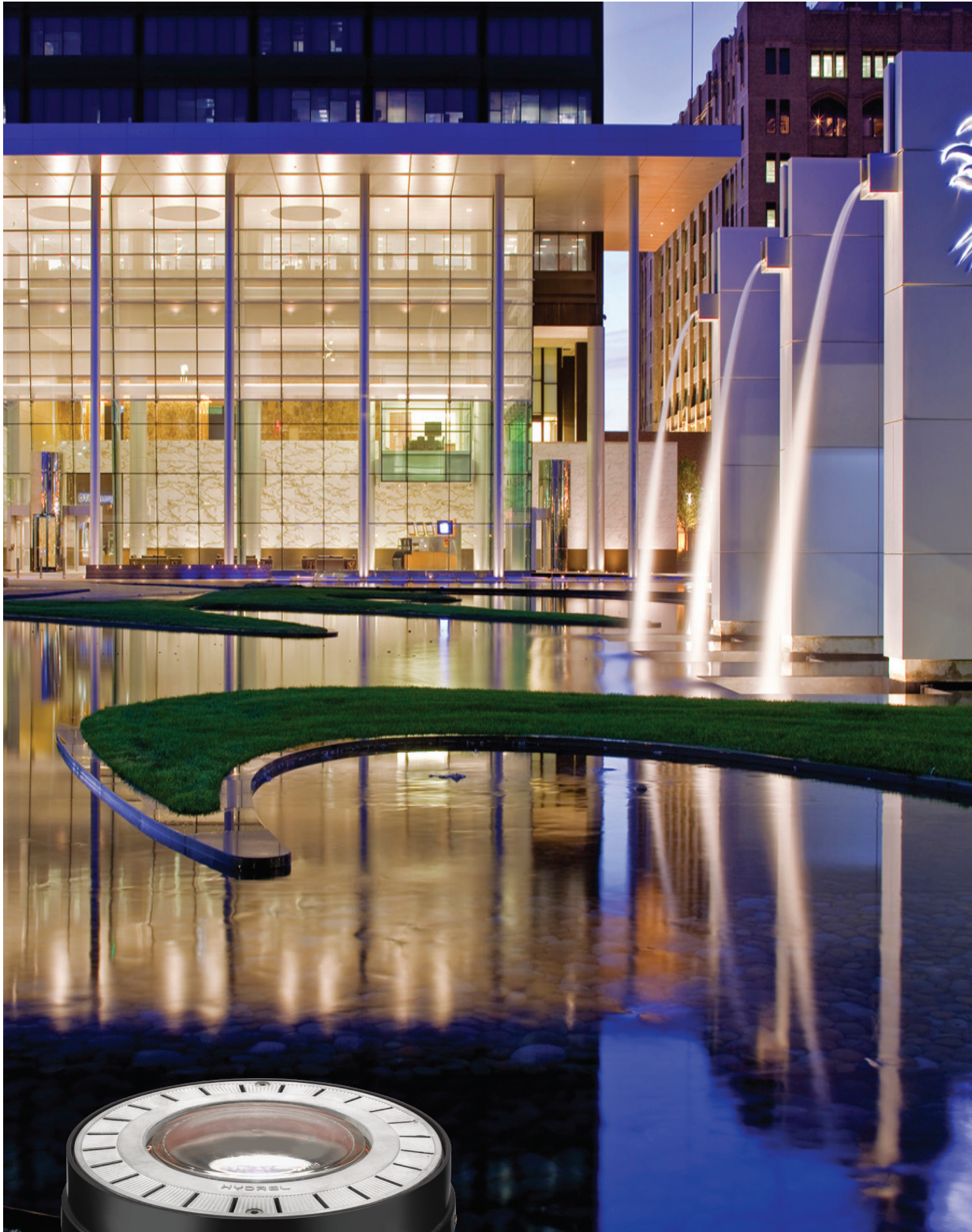


M9000 LED Series

IN-GRADE LUMINAIRES





CONSISTENT, LONG-LASTING ILLUMINATION

The Hydrel M9000 LED in-grade series is a powerful in-grade solution that delivers unmatched high-quality illumination.

Similar to the M9700C LED, the M9400C LED delivers consistent, uniform color, with minimal color shift and depreciation over the life of the product.

Strong, Robust Housing Construction

The Hydrel M9700C and M9400C LED in-grades lead the industry with an IP68 rating, ensuring product longevity against moisture and condensation.

Precise Heat Protection

In-grade fixtures often have challenges with heat removal, leading to overheated internal components and high lens temperatures. And if there is the possibility for direct human contact, in-grade products need to be built with measures to protect humans from injury.

The M9000 series double lens model creates an insulating layer of air to circulate between two lenses, reducing heat by up to 50%.

Improved Mechanical Aiming

The double lens supplied with the built-in tilt mechanism in Hydrel M9700C and M9400C can be aimed at a 15° tilt and rotated 360°. With Aim-Lock® technology-locking components, maintain and re-lamp your fixtures without re-aiming.

Optimal aiming, combined with door vents and airflow channels, provides convection cooling and extends the life of the product.

Note: 15 degree aiming only supplied with the double lens in the M9420C, M9440C, M9720C and M9740C.

Optimal Lighting Output

Hydrel M9700C and M9400C LED in-grades deliver exceptional uniformity and on-target illumination, resulting in the right amount of light for your design.

With an expected 20 years of service life, the M9700C and M9400C LED in-grades provide consistent lumen output over time and from luminaire to luminaire.



HYDREL IS DRIVING THE **EVOLUTION EVEN FURTHER**

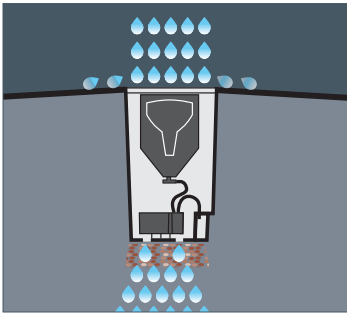
For decades, the lighting industry has turned to Hydrel's revolutionary flow-through product solutions when quality and performance matter most.

In the past, in-grade technology was unreliable, prone to condensation and leaking, uneven compression, debris in screw holes, and stripped screws. Rather than abandon in-grade technology, Hydrel took a different approach and created the M9000 series.

Using Hydrel's proven knowledge of sealing underwater fixtures and modular design, we created the next generation of in-grade flow-through technology. The M9400C and M9700C LED in-grades have set a new benchmark for performance that evolves the world's best in-grade.



DEVELOPED WITH THE NEXT GENERATION OF **FLOW-THROUGH TECHNOLOGY**



Using traditional underwater technologies, the M9400C and M9700C LED in-grades incorporate a modular design with a water-tight module and junction box. The design of the M9400C and M9700C LED in-grades ensure peak performance and improves the life of the internal components.

The flow-through design of the housing starts at the rough-in sections and includes a molded junction box and holes at the bottom, allowing a pathway for the water to flow through and run out of the bottom of the fixture.



POWER IS IN THE PERFORMANCE

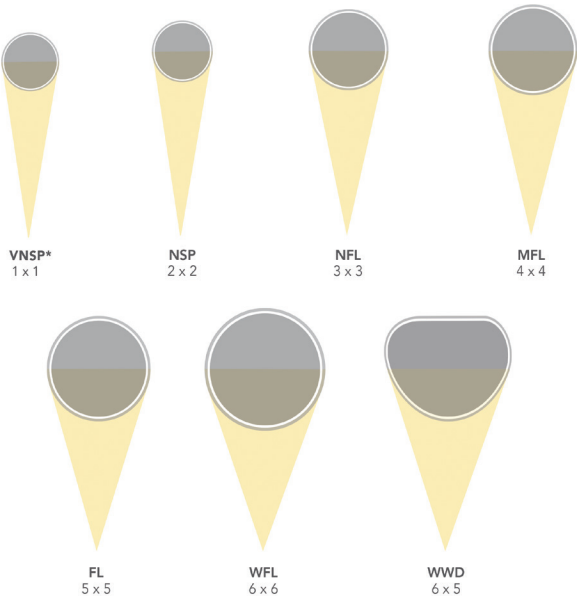
Performance Packages

M9400C LED 40K MFL		
Performance Package	Watts	Lumens
P1	10W	1129
P2	20W	2154
P3	27W	2841
P4	33W	3364

M9700C LED 40K MFL		
Performance Package	Watts	Lumens
P1	29W	2766
P2	35W	3271
P3	46W	4309
P4	53W	4641

Optics for any Application

The M9400C and M9700C LED provide a full palette of optics to light any in-grade application including a true wall wash optic.



*VN5P offered with M9400C only

Setback

Example: M9410C P1 40K WWD FLF	
Setback	8 ft.
Wall Height	30 ft.
Wall Width	35 ft.
On Center Spacing	10 ft.
Fixture Quantity	3

This guide shows common wall heights, for help with unusual heights or special features please contact the applications department: lightingdesign@acuitybrands.com

Unmatched Energy Savings

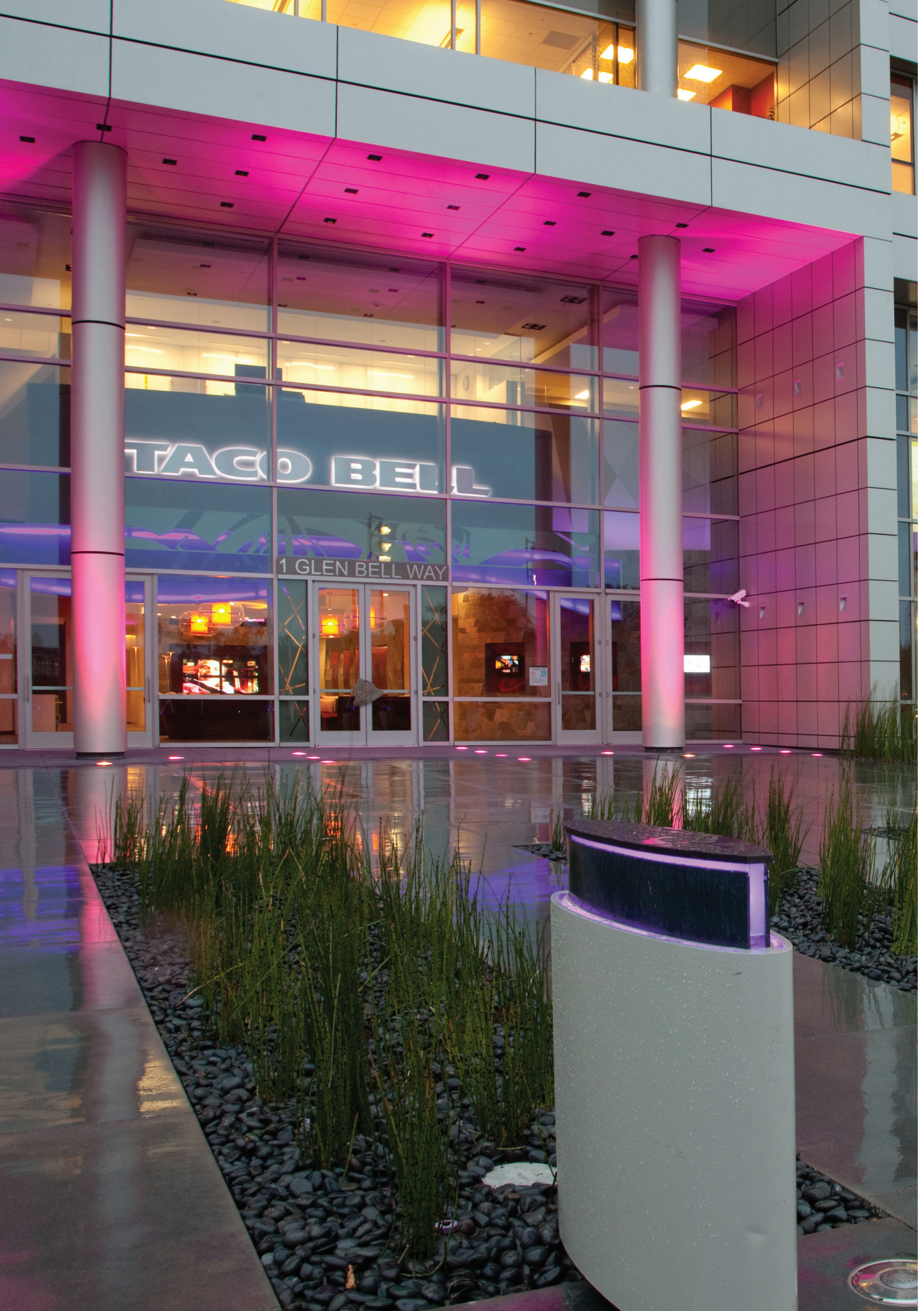
Energy is reduced by up to 72%, resulting in typical annual savings of \$58 per luminaire when compared to 150W metal halide. See sample chart below.

Example

	150W Metal Halide	M9700C P4 LED	Savings
Input Watts	185W	53W	72%
Expected Life (hours)	12,000 hrs.	100,000 hrs.	8 lamp changes
Annual kWh (based on 12 hours per day)	810 kWh	232 kWh	578 kWh
Annual Energy/Luminaire (@ \$0.10 per kWh)	\$81.03 per year	\$23.21 per year	\$57.82 per year

Ideal for Retrofit

With an installed base of over 100,000 in-grades, replacement of the Hydrel 9000 series is quick and easy. New LED and driver modules fit into the existing in-grade housings for a simple retrofit in a matter of minutes, even in concrete.





Save time on your lighting project with Design2Ship™. Design2Ship is a comprehensive architectural quick ship program with 5-day shipping. Find your Hydrel Design2Ship options, meet tight project deadlines and capture opportunity business.

To learn more about Hydrel, visit www.Hydrel.com