

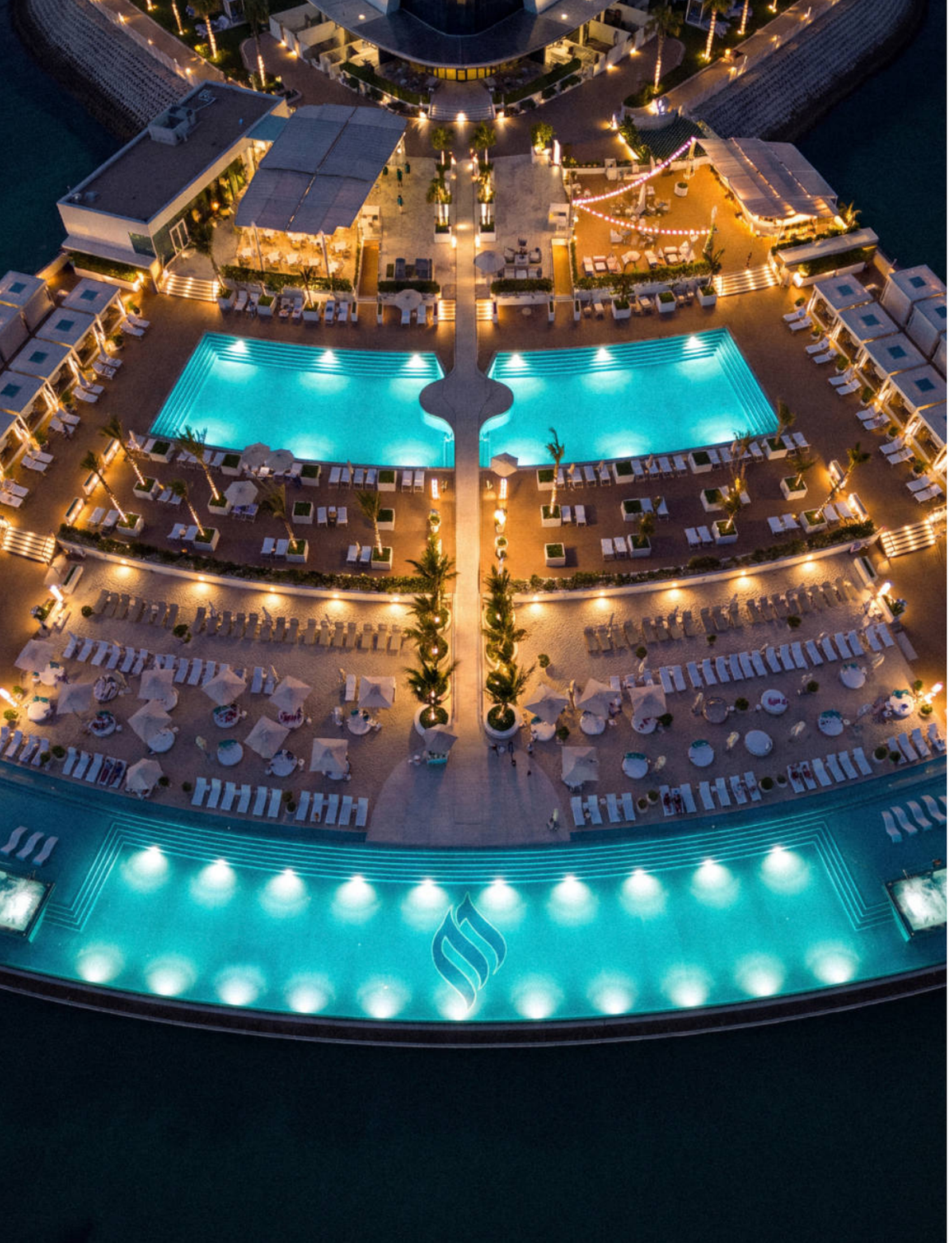
Pool Lighting

PL SERIES — RECESSED UNDERWATER LUMINAIRES

SINCE 1971

Light, under water.

Fontana designs and creates lighting products for water since 1971. This catalogue is for the people who work with light: lighting designers, architects, engineers and pool builders.



BURJ AL ARAB JUMEIRAH · DUBAI

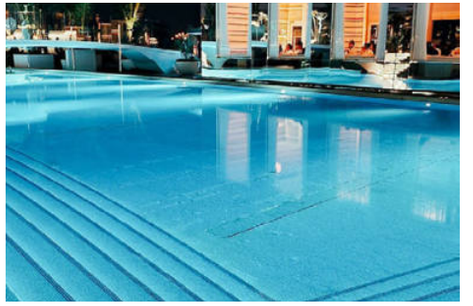
The world's most luxurious hotel. Fontana in every pool.

Burj Al Arab Jumeirah is widely regarded as the world's most luxurious hotel. All the pools are lit by Fontana PL800 & PL300 luminaires, since 2020.

The pages that follow explain why.



Burj al Arab Jumeirah in Dubai, UAE



The pools at night.

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Tip: Scan the QR on each product's last page for photometry, CAD and 3D models.



Water is the most demanding material an architect can light.

Stone stays where you put it. Water moves, reflects, absorbs and bends everything that passes through it. Light a wall badly and you get a bright patch. Light a pool badly and you get glare on the surface, dark corners at the deep end and a color result that looks wrong.

For fifty-five years Fontana has worked with water and light: fountains, shows and pools. We learned what water does to light the slow way, on site and at night, in more than ninety countries.

Everything in this catalogue comes from that. Stainless steel, because chlorine and salt find every weakness. Electronics inside the luminaire, for optimized performance and minimized failures. Constant output, so the last light on a long cable run looks the same as the first. And faceplates that sit flush and quiet, because the best pool light is the one you see as light, not as an object.

1971
Founded by Paris Antoniadis

95+
Countries with Fontana projects

2007
First Fontana LED modules

6
Pool light families, 470 to 20.000+ lumens

316L
Stainless Steel

256
Levels of active thermal protection

10–30 V
DC window with constant light output unaffected by voltage drop

80,000+ h
Rated LED life, LM80, L80

95+
Countries with Fontana projects

Projects in more than ninety countries, from Siberia to Jeddah, Australia and North America.

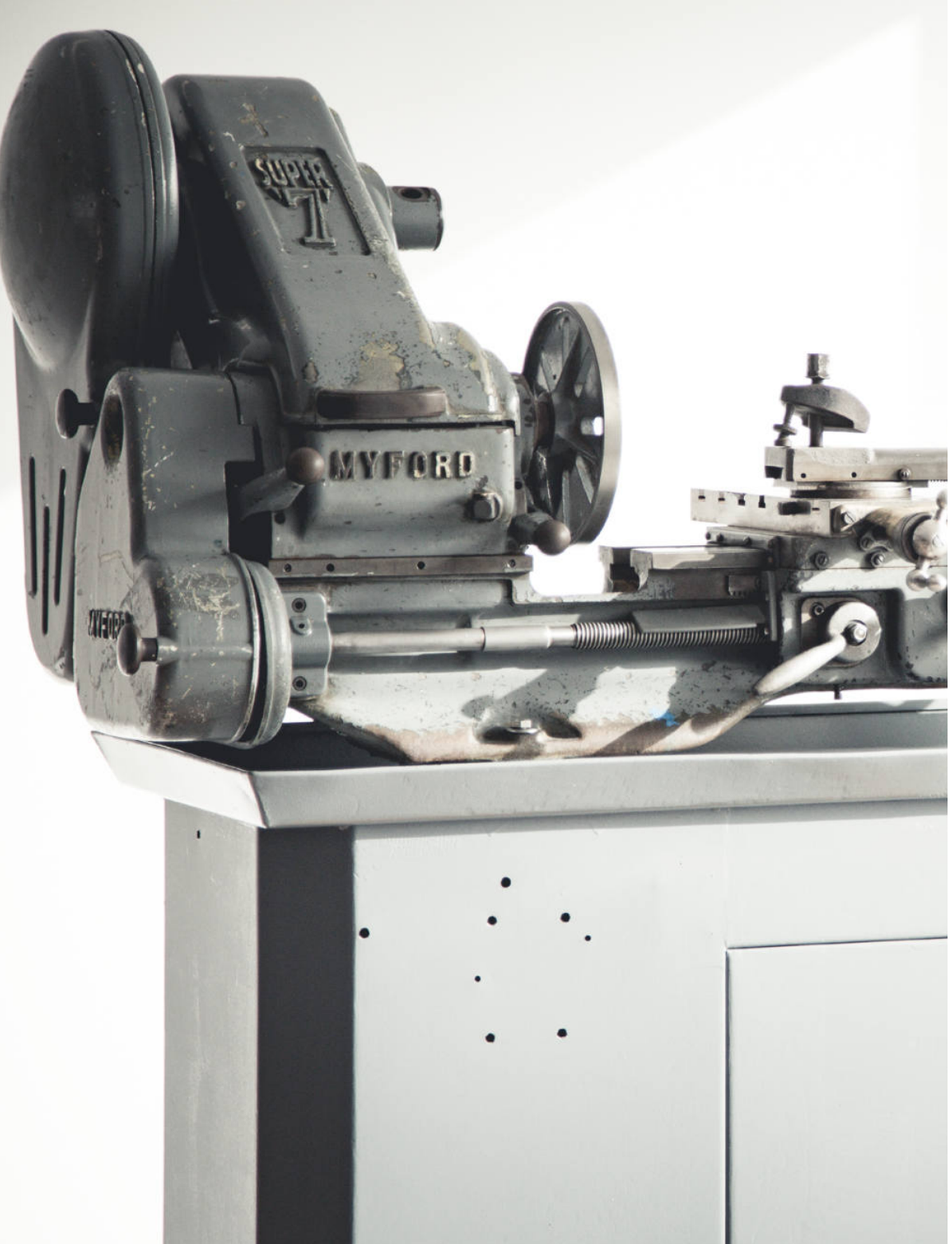


Locations

Athens · London · Riyadh

Countries

Albania · Armenia · Australia · Bahamas · Bahrain · Belgium · Bulgaria · Burkina Faso · Canada · China
Croatia · Cyprus · Czech Republic · Chile · Dominican Republic · Ecuador · Egypt · Finland · France
Fyrom · Georgia · Germany · Holland · Honduras · Hong Kong · Hungary · Iceland · India · Iran
Iraq · Ireland · Israel · Italy · Japan · Jordan · Kazakhstan · Kenya · Kuwait · Latvia · Lebanon · Libya
Lithuania · Malaysia · Maldives · Malta · Martinique · Mauritius · Moldova · Montenegro · Morocco
New Zealand · Nigeria · Norway · Oman · Palestine · Philippines · Poland · Portugal · Qatar · Romania
Russia · Saudi Arabia · Serbia · Seychelles · Singapore · Slovakia · Slovenia · Spain · Sri Lanka
Suriname · Sweden · Switzerland · Thailand · Trinidad and Tobago · Turkey · UAE · United Kingdom ·
Ukraine · USA · Vietnam · Yemen · Zambia and more.



Since 1971

Fontana began in 1971, when Paris Antoniadis set up a small workshop in his parents' garage. Municipal fountains came first; within three years the company was building fountains abroad. Along the way we learned the two things that still define us: how to work stainless steel in factory-level, and how to make water and light into experiences. Today, Fontana designs and builds water features, show fountains and underwater lighting for the most prestigious projects worldwide.

1971	Paris Antoniadis founds Fontana in his parents' garage.
1974	First international fountains, in Saudi Arabia.
1980s	F4 Digitronic controller for musical WaterShows.
1998	Own purpose-built factory; a complete line of stainless steel components and lights.
2007	First Fontana LED modules, in collaboration with Philips ColorKinetics, later Cree.
2008	led:bus - the first industrial-grade lighting protocol for multi-color LED lights
2010	Major investment in equipment, design and R&D.
2010s	fountains.cloud, the first cloud service for fountains.
2021	Unified DALI: First multi-fixture per line technology for DALI dimmable lights
2024	HaloBright - the first dual-use Swimming Pool light
Today	Projects in more than ninety countries; offices in Athens, London and Riyadh.



Made by us

Nearly everything in a Fontana luminaire is made in our own factory in Europe: the housing, and the technology inside it.

1	**Design and simulation**	In-house machines, test pools, simulation software.
2	**Precision Engineering**	CNC machines and laser cutters for the stainless steel parts.
3	**Forming and welding**	Presses, benders and robotic welding; made for heavy-duty use.
4	**Finishing**	Shiny, brushed and bead-blasted surfaces, finished to perfection.
5	**Electronics and firmware**	The Gen.3 modules and its software, developed in-house.
6	**Waterproofing**	Our famous waterproofing technology, now amplified by robotic processes.
7	**Testing**	Thorough testing in-house; independent certifications by TUV, UL, and CE, IP68, EMC, ROHS and more.

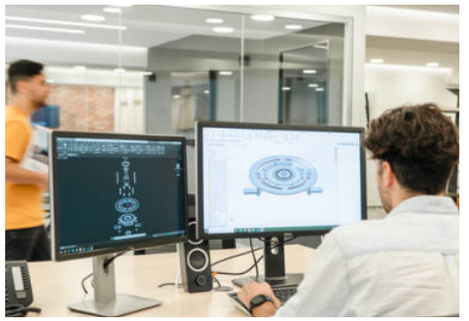
“A British CNC maker once named Fontana their third customer, after Rolls-Royce and British Aerospace.”

2016



How it’s made

From stainless steel sheet to a sealed, tested luminaire



1 **Design and simulation**
Our engineers design every luminaire in-house, from housing and optics to electronics.



2 **Precision engineering**
CNC machines and laser cutters for the stainless steel parts.



3 **Advanced Electronics Assembly**
Completely automated electronics assembly processes with integrated QA procedures.



4 **Final Assembly**
Assembled and sealed in a climate-, humidity- and dust-controlled facility within our factory.

316L

Pool water attacks metal slowly and everywhere. This is why our housings and niches are made in AISI 316L stainless steel.

Molybdenum gives 316L its resistance to pitting in chlorinated and salt water; its low carbon content keeps joints from becoming the weak point. Where a project specifies it, housings are available in AISI 316Ti, the titanium-stabilised grade or 904L for much harsher applications.

Grade	EN	Cr %	Ni %	Mo %	C max %
AISI 316L	1.4404	16.5–18.5	10.0–13.0	2.0–2.5	0.03
AISI 316Ti	1.4571	16.5–18.5	10.5–13.5	2.0–2.5	0.08 + Ti

Typical composition ranges to EN 10088.



The faceplate is the only part anyone sees

We put a lot of attention to the design of the PL series front sides, so that they look unobtrusive and match any pool surface. With our new color technology, the fixtures are made of Stainless Steel but look like bronze, gunmetal, rose gold and more (see right).

Care: stainless steel stays stainless in balanced water. Keep pH and sanitiser within the pool's design values; clean faceplates without abrasives or acids.



In the world's most demanding hotels

Fontana pool lighting is used in hotels of these groups and brands.

- Burj Al Arab Jumeirah
- Marriott
- One&Only
- Four Seasons
- Hilton
- InterContinental
- Anantara
- Hyatt
- Shangri-La







Certified, independently

Products, factory, quality control and services are certified by UL and TÜV Rheinland.
Marks may vary by model; review each product's page for individual certifications.

CE	Meets the applicable European directives.
cULus Listed · WBDT	Listed by UL for the US and Canada in the category for swimming pool and spa luminaires, evaluated to UL 676.
IP68	Dust-tight and protected against continuous immersion.
EMC	Electromagnetic compatibility: no interference with, or from, other equipment.
RoHS	Restricts hazardous substances in electrical and electronic equipment.
NEC 2020	2020 edition of the US National Electrical Code.
ISO 9001 · 14001 · 45001	Quality, environmental and health and safety management, certified by TÜV Rheinland.

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS COMPLIANT

Our ULX800 show light holds IP68 certification for 75 metres: the limit of the laboratory, not of the light.

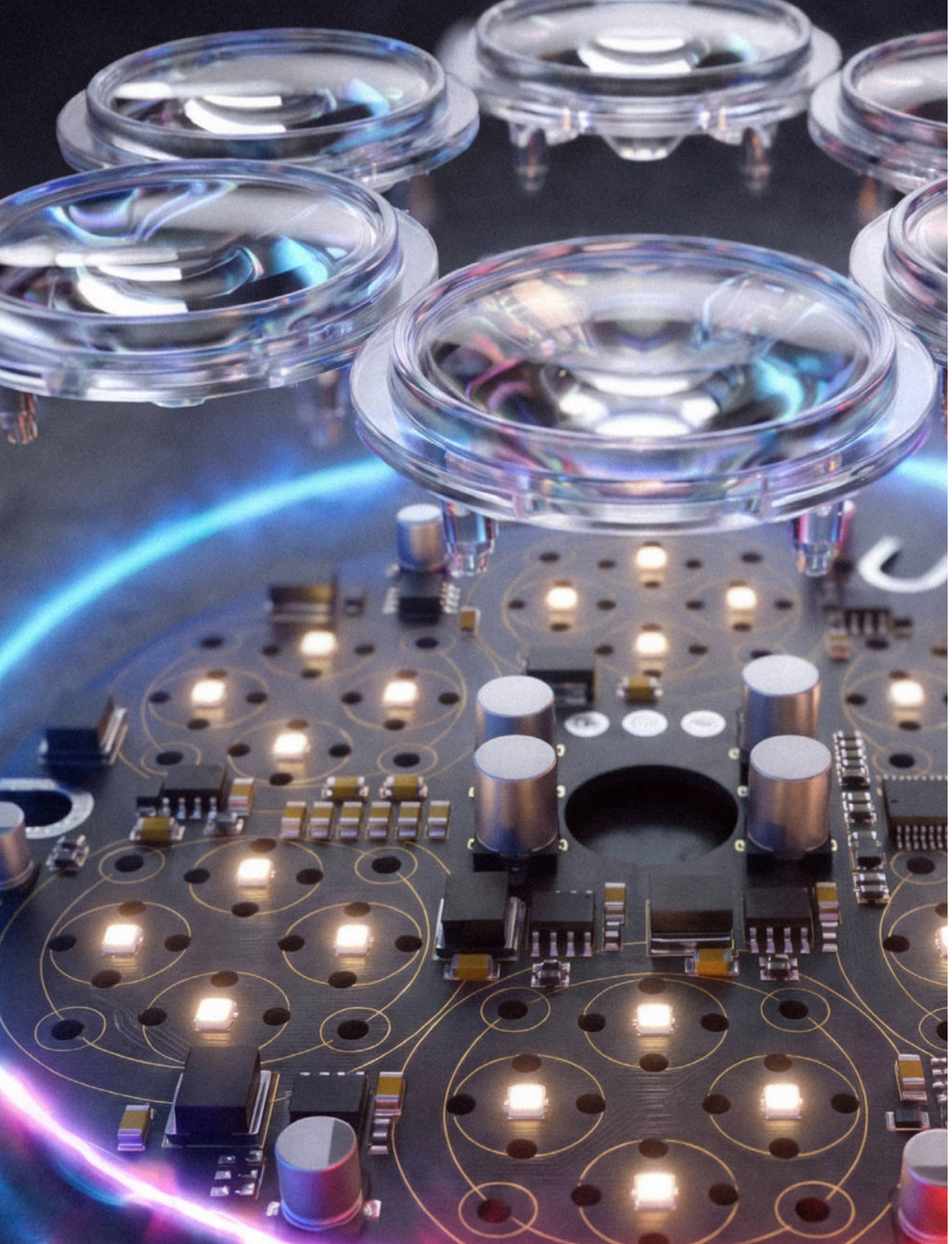
This is why it's used on the world's deepest pool: Deep Dive Dubai

Technology

A computer behind the glass.

Every PL luminaire carries its own processor, drivers and protections. It manages its own temperature, holds its own output and answers to whatever controls the pool incl. DALI, DMX, led:bus. We keep refining our lighting technology since our first LED fixture in 2007.





A computer behind the glass

The Fontana Lighting Modules Gen.3 are designed for the luminaires they sit in: the LEDs, optics, drivers, microprocessors and software are matched to the specific fixtures and the application.

Microprocessor on board

Monitors the luminaire continuously, follows control commands and runs every protection.

Embedded drivers

No remote drivers to house, cool or troubleshoot: only a power supply.

Constant & equal output

The same light output anywhere between 10 and 30 V DC.

Active Thermal Protection

256 steps of gradual dimming, never a sudden cut-out.

Self-protections

Overvoltage, surge and reverse-polarity protection in hardware.

Flicker-free

Steady light for eyes and for cameras.

Soft start, low noise

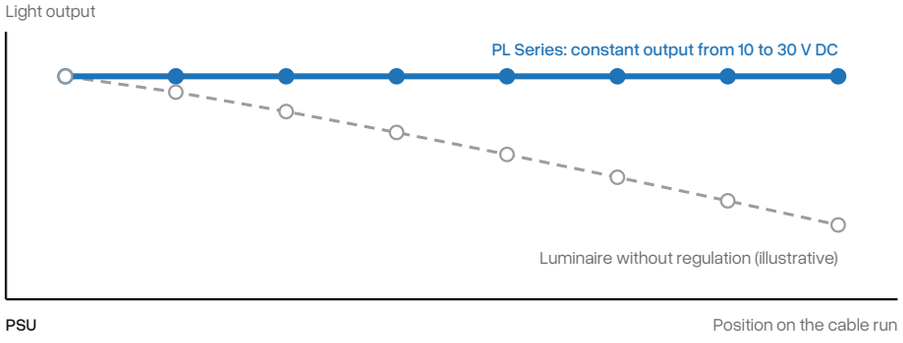
Gentle on power supplies; noise suppression on board.

Addressable

Can meet complex lighting scenarios and requirements, including show pools.

Constant light

Long cable runs lose voltage, and traditional LED luminaires simply follow their supply and gets dimmer the further they sit from the power unit. Fontana PL luminaires accept anything from 10 to 30 V DC and hold their output equal across that window. The last light on the run looks exactly the same as the first.



Supply

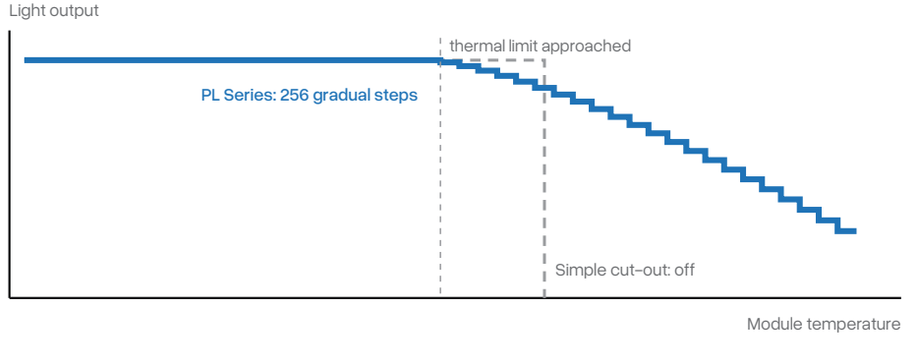
12–24 V DC nominal; SELV, safety class III.

What to check

Voltage at the last luminaire on each run should just be 10 V DC or above.

Gradual, never off

LEDs fail early when they run hot. When the module approaches its thermal limit, the processor reduces output in small steps, 256 of them, and adapts the light output in real time. Nobody sees a pool go dark, and the LEDs lifespan gets preserved.



80,000 h

Rated LED life to LM80: less than 20% of the initial light lost in 80,000 hours of operation. At eight hours a night, that is more than 27 years of evenings.

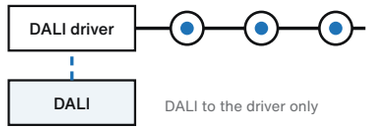
Four ways to control

On/off



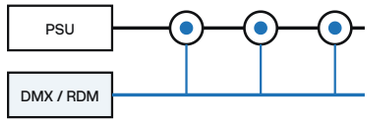
Single-colour versions need only a power supply. Switch the supply; the luminaire does the rest.

DALI



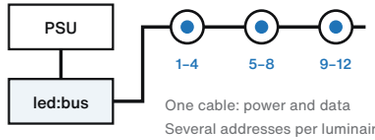
Dimming and scenes from the building or hotel lighting system that runs everything else.

DMX / RDM



The show-lighting standard for colour and dynamic scenes.

led:bus



Fontana's own protocol for multi-colour lights. It uses simple 3-wire cables for power and data, even on multi-addressed fixtures. E.g. one lead 3-core cable can control multiple, individually addressed fixtures. Up to 86 % less cable cost and 40 % less installation time.

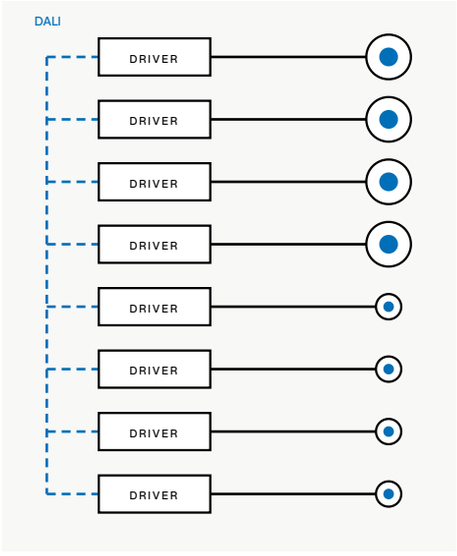


One DALI driver, many lights

Most DALI pool lights need a driver each. Fontana technology allows to share one: a standard DALI power supply runs as many as its wattage allows, different models included, and every one dims the same.

The usual way

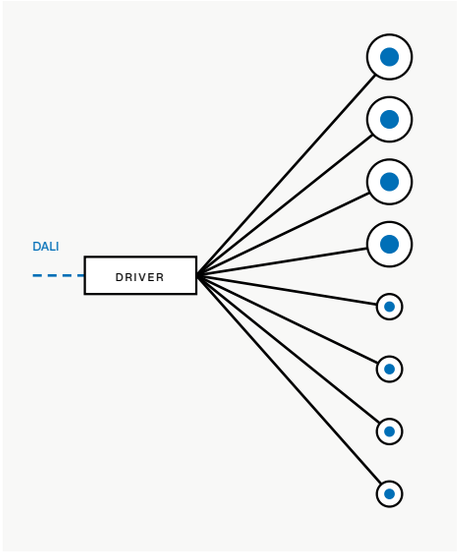
A driver for every luminaire



8 drivers to wire, enclose and maintain

Fontana

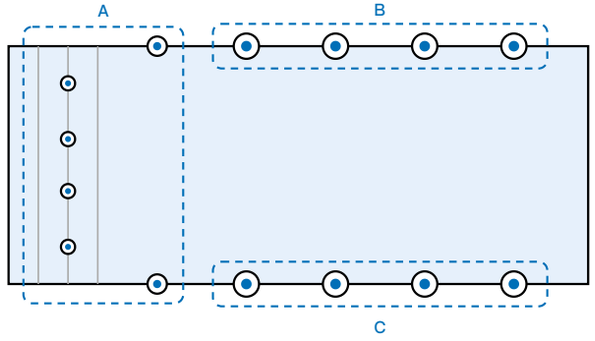
One driver for many luminaires



1 driver, sized by the total watts; can have different wattage fixtures

Group by zone, not a driver per fixture

Example: hotel pool, plan



A **Steps**
4 × PL mini, 2 × PL300
37.8 W on a 60 W driver

B **North wall**
4 × PL600
120 W on a 200 W driver

C **South wall**
4 × PL600
120 W on a 200 W driver

3 drivers, not 14

Fourteen luminaires run from three standard DALI drivers. The usual way needs one each: fourteen to buy, enclose, wire and address.

The same light output along every wall

Each luminaire's own processor and drivers hold the level DALI sets, so the last light on a wall shines and dims like the first, at any cable length.

Mixed models on one driver

The steps share a driver: four PL minis and two PL300s. Add their watts and size the driver to suit.

The profound benefit of the Fontana technology for DALI-dimmable lights is that you can use any type of combination of lights on one driver/PSU, leading to significantly lower complexity, cost and maintenance.

Questions we are asked

Can I dim each light on its own?

Per driver: each driver is one DALI address. Plan the groups you want to control.

And colour?

For colour changes and dynamic scenes, use led:bus or DMX.

Why not constant current?

Pool lights must stay at or below 30 V DC (IEC 60364-7-702, NEC 680). Constant-current drivers raise their voltage and can pass it on long runs.

Which drivers?

Off-the-shelf DALI power supplies with PWM output: MEAN WELL PWM series, DALI or DALI-2, 12 or 24 V DC, stocked worldwide.

Where do the drivers go?

Outside zones 0 to 2: in the plant room or spread around the pool, wherever the design needs them.

Five beams

Every model ships with a standard lens chosen for even pool coverage, and four alternatives. Choose the beam for the water, not for the luminaire.

Narrow
11° - 15°

Deep water and long throws: diving pools, deep ends, features across the pool.

Medium
30° - 40°

Long or deep pools where light must reach the far side without spill.

Standard
50° - 65°

The general pool beam: even coverage across walls and floor.

Wide
70° - 90°

Shallow water, steps, benches and close walls.



Elliptical

Long, narrow pools and lap lanes: light spread along the pool.

Any white, and every colour

Tight LED binning keeps every luminaire in a pool the same white. Choose the white for the architecture, then for the water: water absorbs red first, so every white drifts towards blue-green the further it travels.

White through water

Distance the light travels through water

0 m | 2 | 4 | 6 | 8 | 10 m

3000 K
Warm

Warmest on stone, timber and skin. In the water it turns neutral, then a soft green.

4000 K
Neutral

The most natural rendering of tile and stone. The water reads clear, pale aqua.

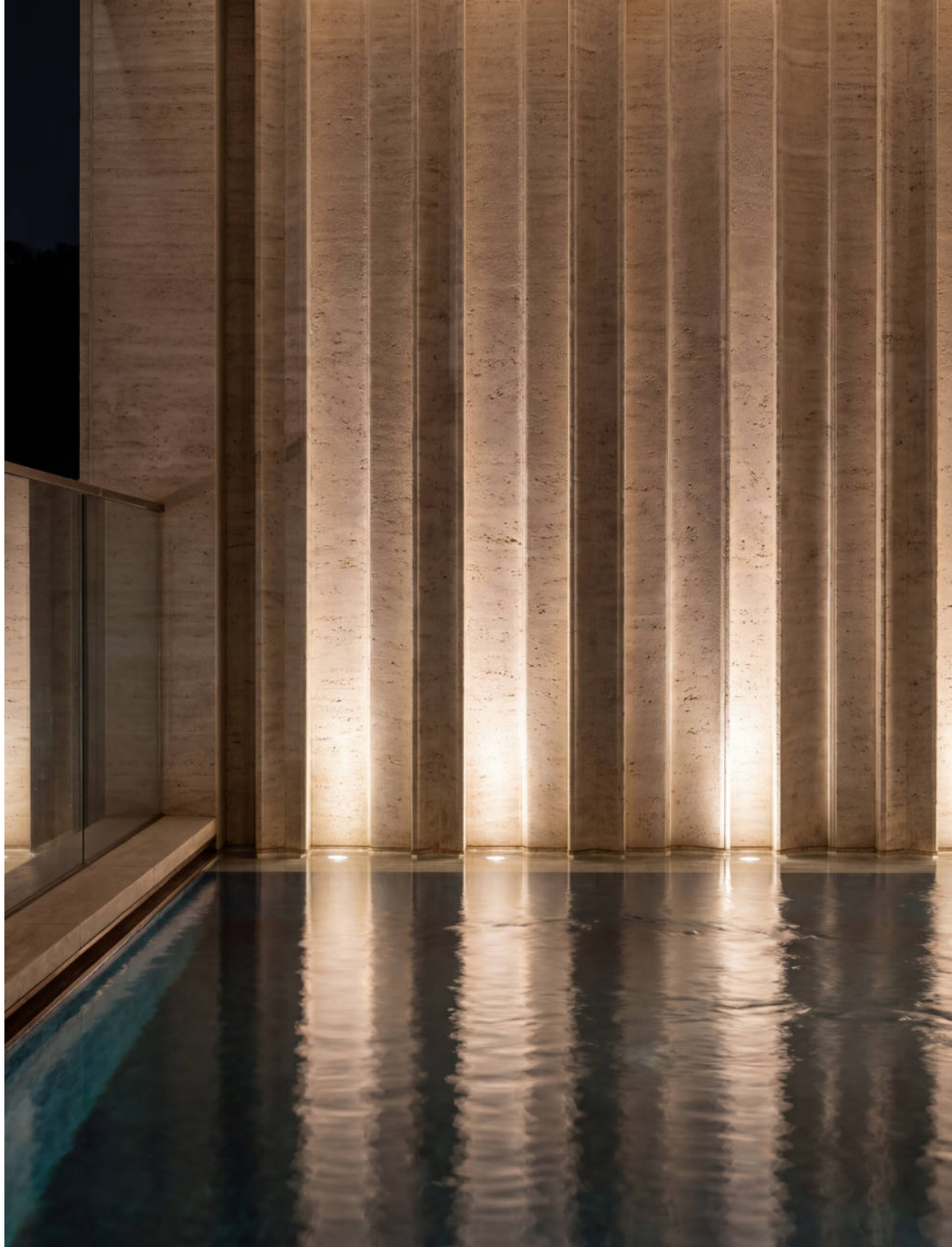
6000 K
Cool

The crispest, bluest water. Reads clean in photographs and at a distance.

Colour

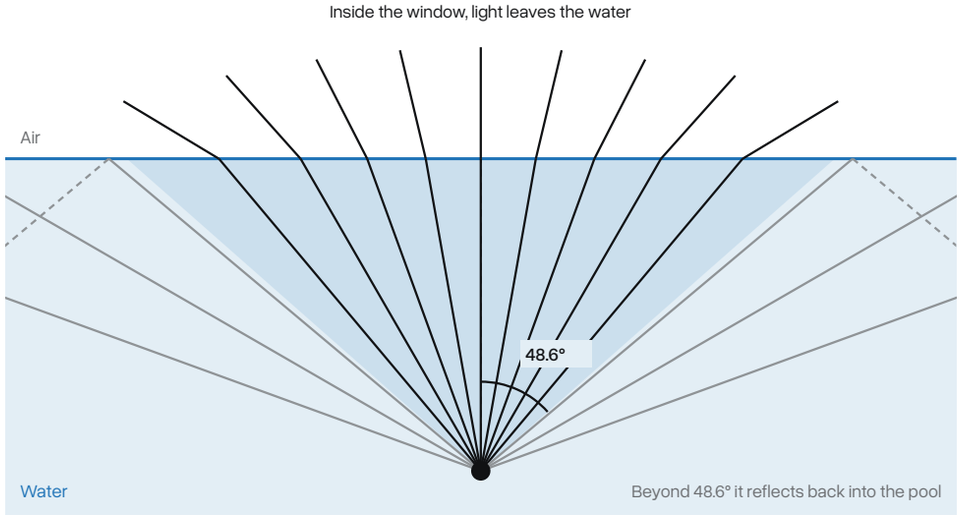
Red Green Blue White Amber

RGBW mixes colour from red, green and blue, with a dedicated white for clean whites and pastels. RGBAW adds amber for warm whites, gold and sunset tones. In water, red and amber fade first; blues and greens are stronger.



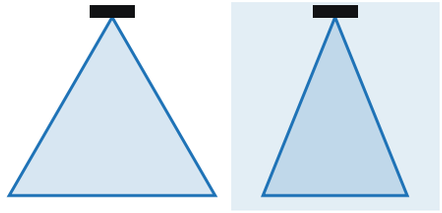
Light in water

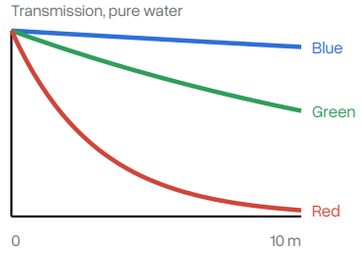
Water is not air. It bends light, absorbs it and, at the surface, sends much of it back down. Three effects decide how a pool looks at night; all three work in the designer's favour once you know them.



Snell's window

Light that reaches the surface at more than 48.6° from vertical cannot leave the water: it reflects back into the pool. A pool light aimed across the water fills the pool, not the sky, which is why a well-placed installation barely glares above the surface.





Refraction

Leaving flat glass, a beam narrows in water. The high-end LED lenses we use, in combination with the physical properties of water leads to uniform lighting, even in larger pools.

Absorption

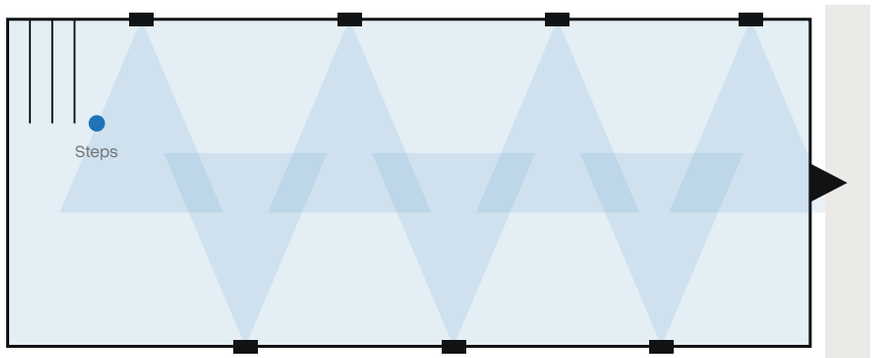
Water absorbs red first. Over 5 m of pure water red keeps less than 20% of its light; blue keeps 95 %.

Rules of thumb

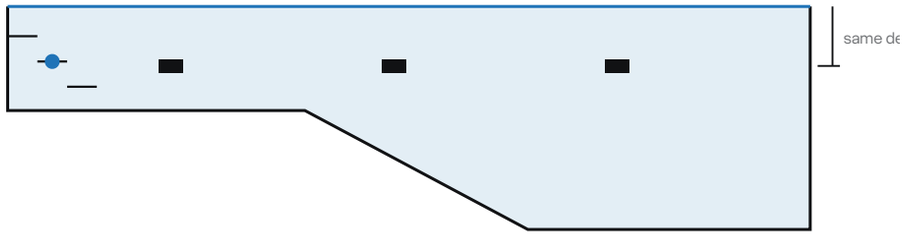
1	Space luminaires appropriately, taking refraction into consideration.
2	Long pools look bluer and cooler at the far end: red is absorbed over distance.
3	Aim across the water; the surface keeps most light below it.
4	Pale finishes reflect and spread light; dark tiles and black or stainless finishes absorb it.
5	Clear, balanced water matters as much as lumens: turbidity scatters light and flattens the pool.

Where the light goes

Plan



Section



Luminaires on both long walls, staggered, at one depth; none on the wall facing the main view.
Extra light at steps and depth changes.

Six principles

1 **Light from the long walls.** Stagger luminaires on opposite sides for even coverage without hot spots.

2 **Turn away from the view.** Keep luminaires off the wall facing the main terrace, restaurant or rooms. Guests should see lit water, not the light sources.

3 **Mark every change of level.** Steps, benches, ledges and slope breaks get their own light: PL mini or PL300.

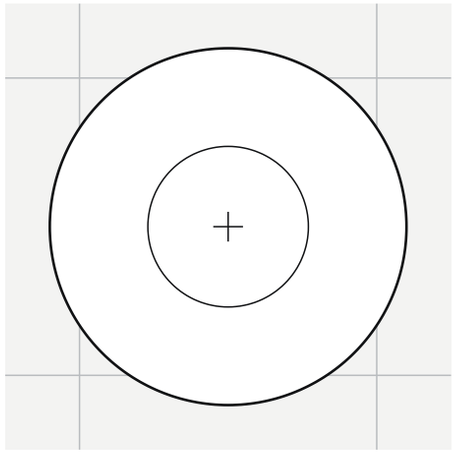
4 **Keep end walls clear in lap pools.** Swimmers turn there.

5 **Deep or dark.** Deep ends and dark finishes need closer spacing or more output.

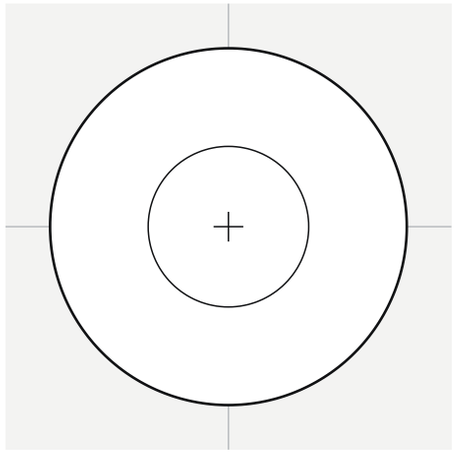
6 **Mount at a consistent depth,** within local code and the luminaire's listing.

Faceplate and tile

Fix the luminaire's position in the tile setting-out before the niche is set. With mosaic it hardly matters; with large-format tile or stone, the faceplate should sit on a tile centre or on a joint cross, never a third of the way across.



On a tile centre. PL800 on 200 mm tiles, 1:5

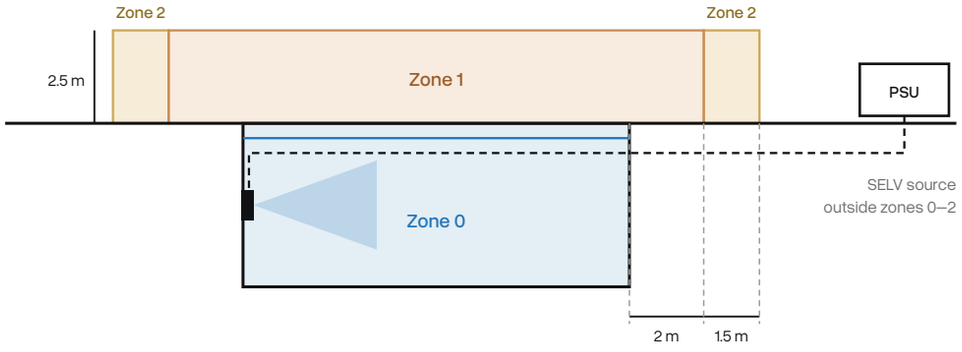


On a joint cross. PL800 on 200 mm tiles, 1:5

Tiles across the faceplate	Ø mm	25 mm	50 mm	100 mm	200 mm
PL mini	90	3.6	1.8	0.9	0.5
PL300	110	4.4	2.2	1.1	0.6
PL600	175	7.0	3.5	1.8	0.9
PL700	210	8.4	4.2	2.1	1.1
PL800	240	9.6	4.8	2.4	1.2
PLX900	287	11.5	5.7	2.9	1.4



Safety and standards



IEC 60364-7-702

Inside the basin and in zone 1, only SELV is allowed while the pool is in use: no more than 12 V AC or 30 V ripple-free DC, from a source outside zones 0, 1 and 2. Every PL luminaire runs on 12–24 V DC and is safety class III. In the UK the same rules sit in BS 7671, Section 702.

US and Canada

NEC Article 680 governs pools. PL luminaires are available UL Listed in category WBDT, evaluated to UL 676, with SOOW cable for North America. Check the listing of the model you specify.

Simplified. Local regulations and the edition in force always govern; installation by a qualified electrician.

Coordinate early

☐	**Power supply**	Outside zones 0, 1 and 2; ventilated and reachable for service.
☐	**Cable route**	Conduit from each niche to a junction box above the water line, per local code.
☐	**Cable length**	Order to reach the junction box: 3 m standard; 5, 10, 15 m or custom.
☐	**Voltage window**	At least 10 V DC at the last luminaire on each run.
☐	**Bonding**	Equipotential bonding of metal parts, per local code.
☐	**Niche**	Set with the wall build-up and aligned to the tile setting-out.
☐	**Controls**	Choose on/off, DALI, DMX/RDM or led:bus before cabling.
☐	**Water**	Suitable for fresh, pool and sea water; tell us which at specification.



W Dubai UAE

Specify in four steps

1	**Model**	By pool size and role.	p. 534
2	**Light**	White 3000, 4000 or 6000 K; or colour.	p. 38
3	**Optic**	Standard, or narrow, medium, wide, elliptical.	p. 35
4	**Control**	On/off, DALI, DMX/RDM or led:bus.	p. 30

Example

PL800.NW · 55° · DMX/RDM · 15 m · 316L

Specification text

Copy into tender documents; complete the bracketed fields.

Recessed underwater luminaire for swimming pools. Basis of design: Fontana [model]. Housing and installation niche of AISI 316L (1.4404) stainless steel, flush mounted; faceplate Ø [—] mm, shiny, brushed and bead-blasted finish. Extra-clear, tempered, heat-resistant safety glass. Integrated LED module with on-board microprocessor and drivers, active thermal protection and surge and reverse-polarity protection; flicker-free; light output unaffected by voltage drop between 10 and 30 V DC. Colour: [3000 / 4000 / 6000 K / RGBW]. Beam angle: [—]°. Control: [on/off / DALI / DMX-RDM / led:bus]. Supply 12–24 V DC SELV, safety class III. IP68. CE; UL Listed (WBDT) where required.
Rated life > 80,000 h (LM80). Pre-attached chlorine-resistant cable, [—] m.

Downloads for every model

IES and LDT photometry · CAD · STEP and OBJ 3D · technical sheet

available on https://fontana.lighting

For your package

Tender texts, drawings and reference images from design support (p. 94).

Stainless steel, in colour

Every PL faceplate now comes in four PVD finishes. Underneath, it is the same AISI 316L stainless steel, with all its strength and resistance to pool water.

PVD bonds a thin, hard layer of colour to the steel in a vacuum chamber. The result is stunning gold, rose-gold, bronze and dark-metal accents, matching premium pool finishes.

316L, unchanged	The colour sits on a 316L stainless steel faceplate, so strength and corrosion resistance stay exactly as they were.
Bonded, not applied	No paint to chip and no plating to peel. The finish is scratch-resistant and is thoroughly tested for underwater use.

Four finishes

Bronze
Warm and understated, for stone, timber and earth tones.

Gold
For marble, brass details and formal settings.

Rose Gold
Soft and warm, for pale stone and contemporary finishes.

Gun-metal
Dark and discreet, perfect match for black and dark tiles.

Available on every PL model.



The PL Series

Six recessed luminaires on one family.

From the 90 mm PL mini for steps and edges to the 287 mm PLX900 with its 20.000+ lumens for the largest pools, every model shares the same stainless steel construction, the same intelligent module and the same protections.

PL mini
Ø 90 · up to 470 lm · p. 55

PL300
Ø 110 · up to 3,840 lm · p. 61

PL600
Ø 175 · up to 3,840 lm · p. 69

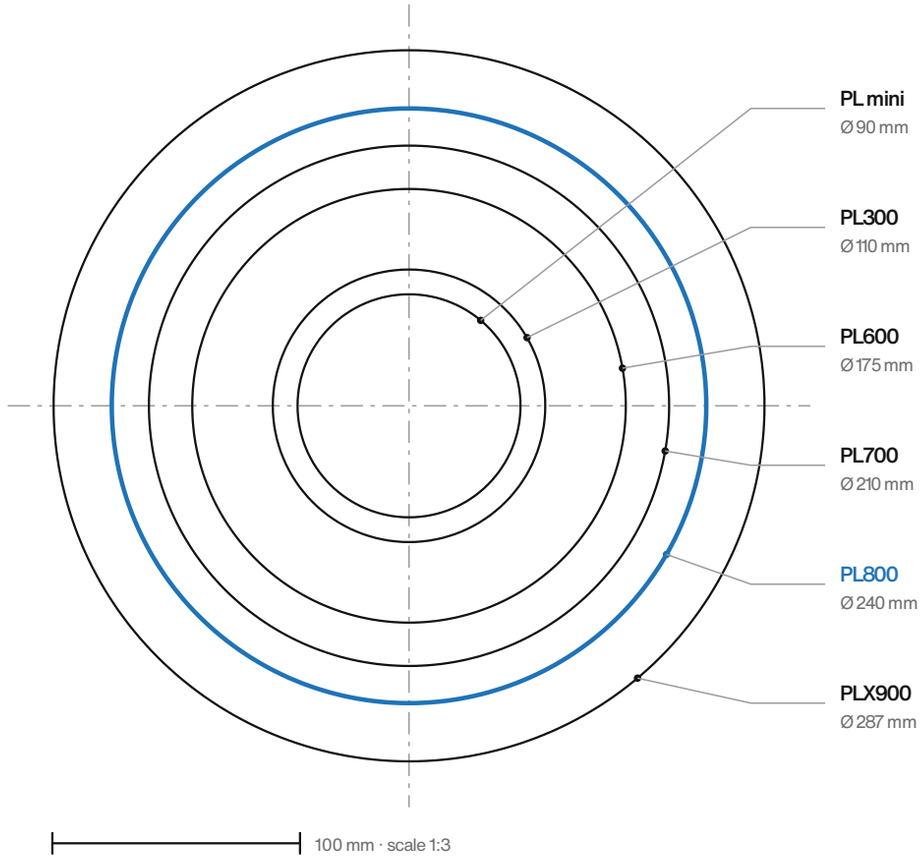
HaloBright
Ø 200 · up to 2,900 lm · p. 75

PL700
Ø 210 · up to 6,690 lm · p. 85

PL800
Ø 240 · up to 11,225 lm · p. 91

PLX900
Ø 287 · up to 20,430 lm · p. 99

FACEPLATES AT SCALE



Every faceplate is drawn here at one third of its real size. Overlaid, they show the family as a system: one design language from 90 to 287 mm, so a project can mix sizes without mixing styles.

Depths stay between 92 and 114 mm including the niche, so even the largest model fits a standard pool wall build-up.



Steps, benches, edges, spas	**PL mini · PL300**
Small private and plunge pools	**PL300 · PL600**
Residential and boutique hotel pools	**PL600 · PL700**
Hotel and resort pools	**PL700 · PL800**
Large resort, lagoon and public pools	**PL800 · PLX900**

How much light

The US Model Aquatic Health Code sets a minimum of 8 initial lumens per square foot of water surface for public pools: about 86 lm/m². Treat it as minimum, not a design target. The table shows the most water one luminaire can cover at that minimum. Spacing, depth, finish colour and the mood you want to achieve will define the final selection.

Model	Max lm	Water area at 86 lm/m²
PL mini	470	5 m²
PL300	3,840	45 m²
PL600	3,840	45 m²
PL700	6,690	78 m²
PL800	11,225	130 m²
PLX900	20,430	237 m²

Dark tiles, deep water and stainless or black finishes need more light. Send us the pool plan and we will propose positions and quantities.



PL mini

Miniature recessed luminaire, Ø 90 mm.

The smallest light in the series, with remarkable output for its size. PL mini is made for accents: steps, benches, edges, spa niches and small water features, where light should be felt rather than seen. One high-power LED, five optics and a minimal faceplate that blends into the surface around it.

Selected references	Zaya Hameni, Dubai — PL mini at the steps, PL300 in the main pool VIDA Hotel, Dubai 360 Mall Tennis Complex, Kuwait





Accent light for steps, benches, edges and spas

PL mini

Ø 90 mm · depth 92 mm
AISI 316L stainless steel
Up to 470 lm at 3.2 W
White 3000, 4000, 6000 K
12–24 V DC · IP68
CE · UL Listed

Technical data

Light source

White 3000, 4000, 6000 K

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PLM.WW	White 3000K	3.2W	425	12-24V DC	1	On/Off
PLM.NW	White 4000K	3.2W	450	12-24V DC	1	On/Off
PLM.CW	White 6000K	3.2W	470	12-24V DC	1	On/Off

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Stainless Steel AISI316L

Optics

50° Optically-clear Lenses for pool lighting
also available: 11°, 40°, 80° and elliptical lenses.

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

3.0 m chlorine-resistant, waterproof; 12 ft SOOW for North America (UL); 5, 10, 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

12-24 V DC; 10-30V DC Operating Range.
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3; 1 high-power LED

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

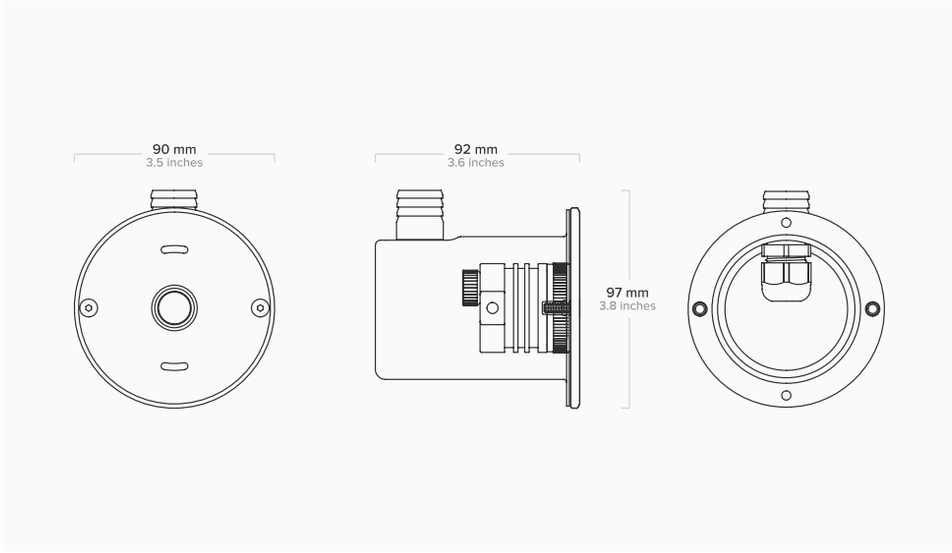
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses



Ordering

State article, optic, control, cable length and housing

PLM.WW · 50° · ON/OFF · 10 m · 316L

Niche

PLNM	Standard niche for wall installation
PLNM.LNR	Niche for liner pools
PLNM.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet



PL300

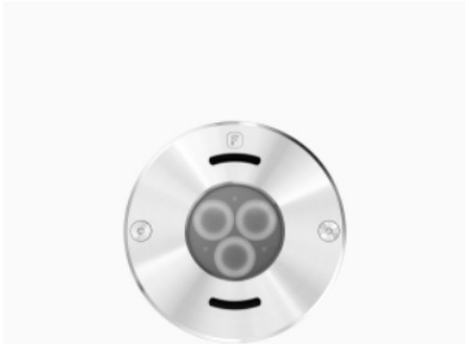
Recessed underwater luminaire, Ø 110 mm.

Compact for its output, PL300 can light a smaller pool on its own or add auxiliary light to a larger one. The housing is AISI 316L stainless steel. Inside, an intelligent LED module with its own microprocessor and drivers. Available in multiple CCTs, RGBW as well as dimmable via DALI, DMX or led:bus.

Selected references

Waldorf Astoria Maldives
One&Only Le Saint Géran, Mauritius
LUX* Grand Baie, Mauritius
Kanuhura, Maldives
FIVE, Dubai
DusitD2 Naseem Resort, Oman
Bon Repos, Korčula, Croatia
Kazela kids' pool, Croatia



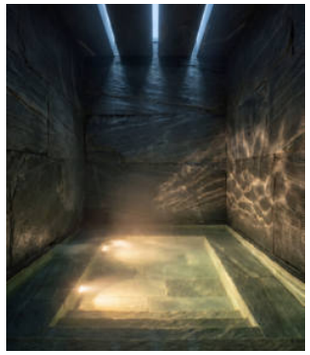


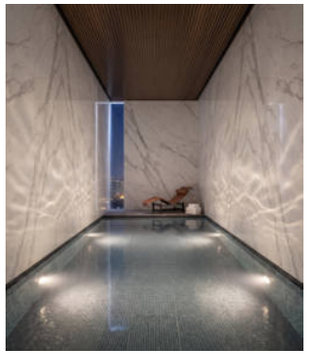


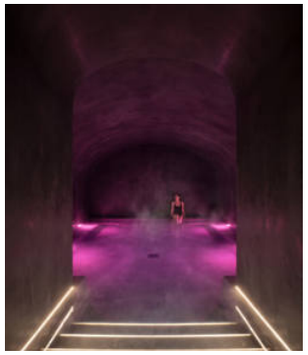
Smaller pools; auxiliary light in larger ones

PL300

Ø 110 mm · depth 114 mm
AISI 316L stainless steel
Up to 3,840 lm at 30 W
White 3000, 6000 K · RGBW
12–24 V DC · IP68
CE · cULus Listed (WBDT)







Made for wellness

Spas, indoor pools and plunge pools are seen up close, often in near darkness, and built in the finest materials. The PL300 is made for them: a compact faceplate, soft, controllable light, and PVD finishes that match the stone, marble and brass around it.

Compact

A 110 mm faceplate that sits within a mosaic grid and fits narrow walls, steps and benches.

Finished to match

Radial finished stainless as standard, or PVD in bronze, gold, rose gold or gun-metal, to match with marble, natural stone, mosaic and zellige.

Calm light

Warm white from 3000 K, flicker-free dimming, and a wide variety of optics for precise lighting.

Colour when wanted

RGBW and RGBAW versions for colour scenes, from a soft violet glow to clean white.

One system

On/off, DALI, DMX or led:bus, so the spa's lighting runs with the rest of the building.



Technical data

Light source

White 3000, 6000 K · RGBW

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PL300.WW	White 3000K	12.5W	1520	12-24V DC	3	On/Off
PL300.CW	White 6000K	12.5W	1670	12-24V DC	3	On/Off
PL300.HP.CW	White 6000K	30.0W	3840	12-24V DC	3	On/Off
PL300.RGBW	RGBW	11.5W	667	12-24V DC	4	led:bus

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Stainless Steel AISI316L

Optics

60° Optically-clear Lenses for pool lighting
also available: 14°, 34°, 90° and elliptical lenses.

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

3.0 m chlorine-resistant, waterproof; 12 ft SOOW for North America (UL); 5, 10, 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

12-24 V DC; 10-30V DC Operating Range.
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3;
3 high-power LED; 4 in RGBW

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

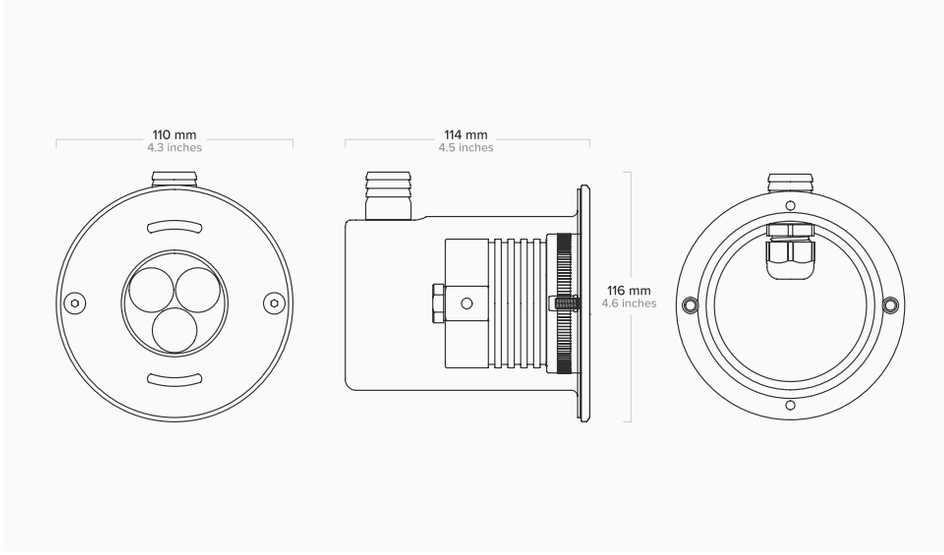
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses



Ordering

State article, optic, control, cable length and housing

PL300.WW · 60° · ON/OFF · 10 m · 316L

Niche

PLN300	Standard niche for wall installation
PLN300.LNR	Niche for liner pools
PLN300.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet

PL300



PL600

Compact recessed luminaire, Ø 175 mm.

A versatile pool light with a super-slim faceplate and a premium finish, made for high-end residential and decorative pools. Six high-power LEDs light a medium-sized pool vividly and efficiently. White versions need only a power supply as each fixture has internal drivers.







High-end residential and decorative pools

PL600

Ø 175 mm · depth 95 mm
AISI 316L stainless steel
Up to 3,840 lm at 30 W
White 3000, 4000, 6000 K · RGB
12–24 V DC · IP68
CE · cULus Listed (WBDT)

Technical data

Light source

White 3000, 4000, 6000 K · RGB

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PL600.WW	White 3000K	30W	3480	12-24V DC	6	On/Off
PL600.NW	White 4000K	30W	3660	12-24V DC	6	On/Off
PL600.CW	White 6000K	30W	3840	12-24V DC	6	On/Off
PL600.RGB	RGB	17W	740	12-24V DC	6	led:bus

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Heavy-Duty Composite

Optics

55° Optically-clear Lenses for pool lighting
also available: 15°, 35°, 90° and elliptical lenses.

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

3.0 m chlorine-resistant, waterproof; 12 ft SOOW for North America (UL); 5, 10, 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

12-24 V DC; 10-30V DC Operating Range.
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3; 6 high-power LED

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

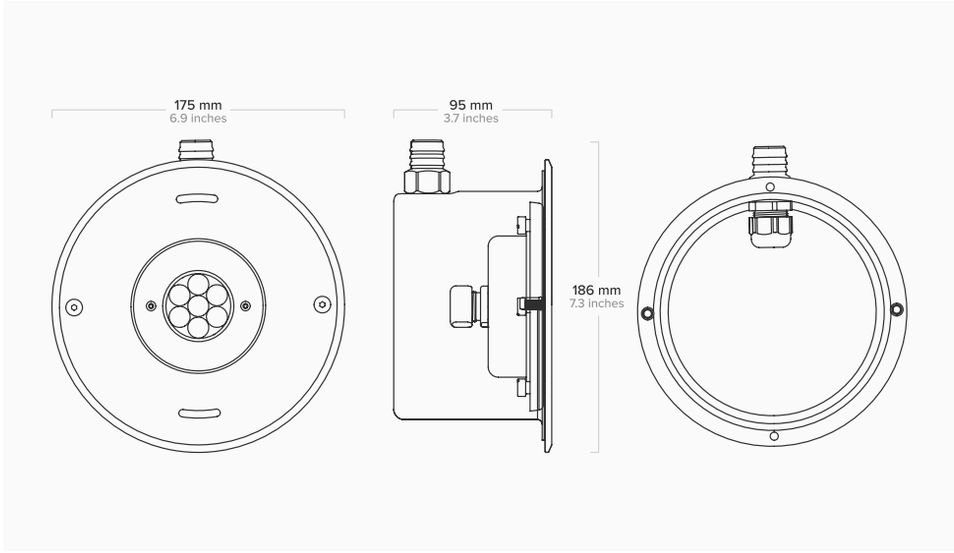
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses



Ordering

State article, optic, control, cable length and housing

PL600.NW · 55° · ON/OFF · 10 m · 316L

Niche

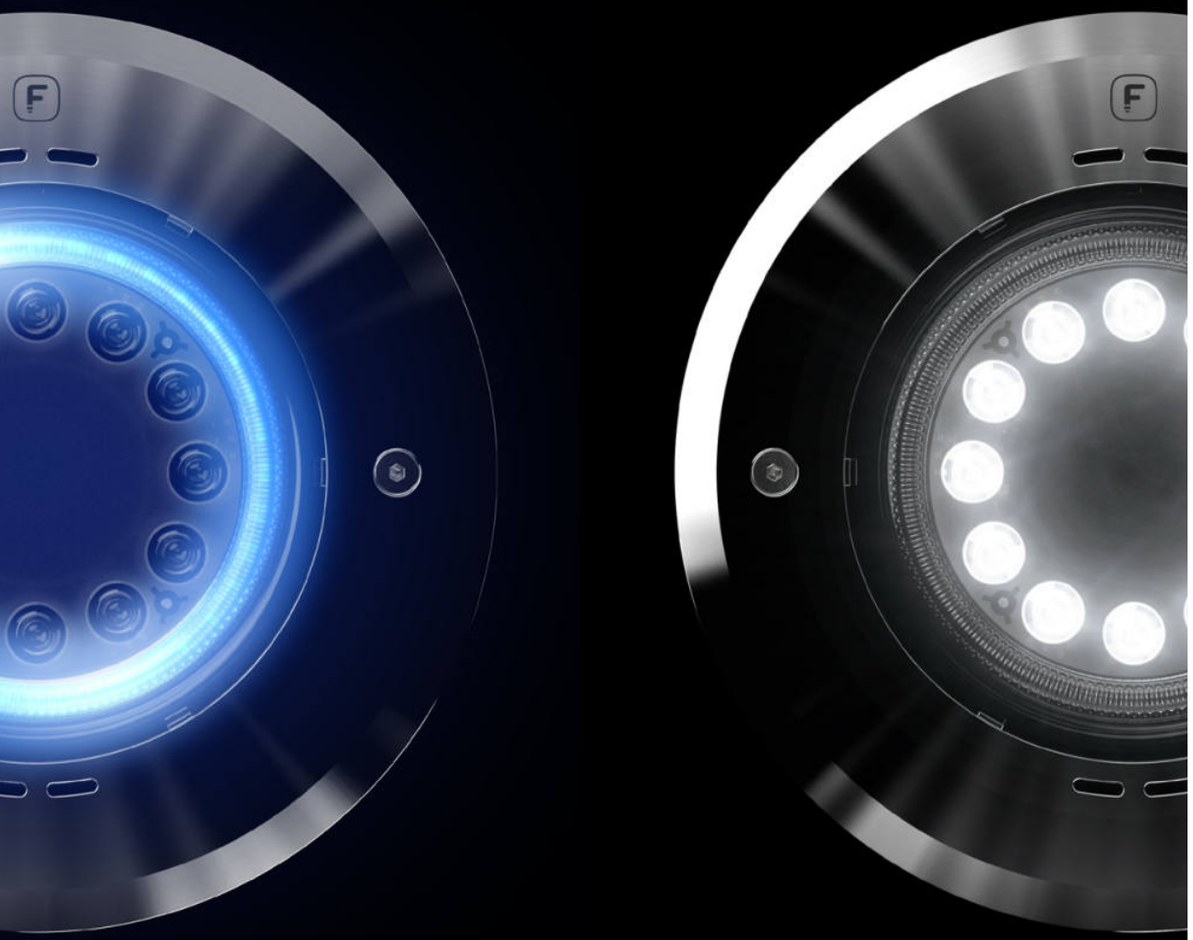
PLN600	Standard niche for wall installation
PLN600.LNR	Niche for liner pools
PLN600.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet



HaloBright

Dual-mode recessed luminaire, Ø 200 mm.

Two lights in one faceplate. The primary source, twelve high-power LEDs behind 70° pool optics, fills the pool with clear white light: 2,560 lm at 30 W. The second, a ring of 36 LEDs behind a 180° halo lens, washes the whole pool in deep blue at just 5 W, for late hours, safety and atmosphere. Each source runs on its own circuit: switched, dimmed or on DALI.


ONE FIXTURE.
TWO MODES OF LIGHTING.
HIGH PERFORMANCE & VIVID LIGHTING
HIGH EFFICIENCY & MOOD LIGHTING





HaloBright

Ø 200 mm · depth 86 mm
AISI 316L stainless steel
with PCR Lens and PUR Thermal Core
Up to 2900 lm at 30 W
White 3000, 4000, 5000, 6000 K
24 V DC · IP68
CE · UL Listed [confirm]

Technical data

Light source

White 3000, 4000, 5000, 6000 K

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PLHB.WW	White 3000K	30W	2400	24V DC	42	On/Off
PLHB.NNW	White 4000K	30W	2560	24V DC	42	On/Off
PLHB.NW	White 5000K	30W	2560	24V DC	42	On/Off
PLHB.CW	White 6000K	30W	2900	24V DC	30	On/Off

Secondary Colour	Power
standard **Deep Blue** · **Amber [.SA]** · **Lime [.SL]** · **Cyan [.SC]** · **Red [.SR]** · **Green [.SG]**	5W

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
with PCR Lens and PUR Thermal Core
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Stainless Steel AISI316L

Optics

70° Optically-clear Lenses for pool lighting
180° Halo Lens for secondary source

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

7.0 m chlorine-resistant, waterproof; 23 ft SOOW for North America (UL); 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

24 V DC
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3; 12 high-power LED; 36 Mood-Lighting LEDs

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

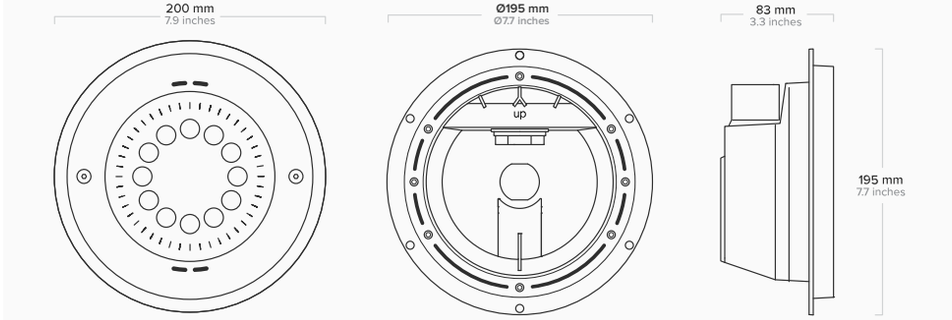
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses





Ordering

State article, optic, control, cable length and housing

PLHB.WW.SC · 10 m · 316L

Niche

PLHB.N	Standard niche for wall installation
PLHB.LK	Niche for liner pools
PLNHB.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet





PL700

Recessed underwater luminaire, Ø 210 mm.

PL700 balances performance, size and cost: a remarkably powerful pool light in a compact body, with a super-slim faceplate and a refined finish. Twelve high-power LEDs deliver up to 6,690 lm in white, with RGB and RGBW versions and a wide choice of application-specific optics to match any lighting design and application.







Hotel and resort pools

PL700

Ø 210 mm · depth 103 mm
AISI 316L stainless steel
Up to 6,690 lm at 48 W
White 3000, 6000 K · RGB · RGBW
24 V DC white · IP68
CE · cULus Listed (WBDT)

Technical data

Light source

White 3000, 6000 K · RGB, RGBW

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PL700.WW	White 3000K	48W	6065	24V DC	12	On/Off
PL700.CW	White 6000K	48W	6690	24V DC	12	On/Off
PL700.RGB	RGB	32W	1480	12-24V DC	12	led:bus
PL700.RGBW	RGBW	32W	1840	12-24V DC	12	led:bus

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Stainless Steel AISI316L

Optics

55° Optically-clear Lenses for pool lighting
also available: 15°, 70°, 90° and elliptical lenses.

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

3.0 m chlorine-resistant, waterproof; 12 ft SOOW for North America (UL); 5, 10, 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

24 V DC White; 12-24 V DC RGB & RGBW
10-30V DC Operating Range.
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3; 12 high-power LED

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

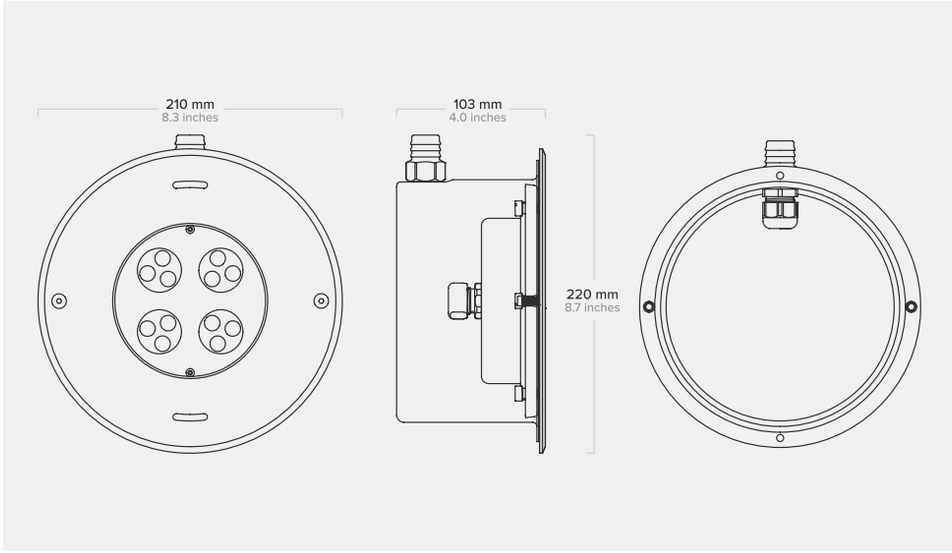
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses



Ordering

State article, optic, control, cable length and housing

PL700.NW · 55° · ON/OFF · 10 m · 316L

Niche

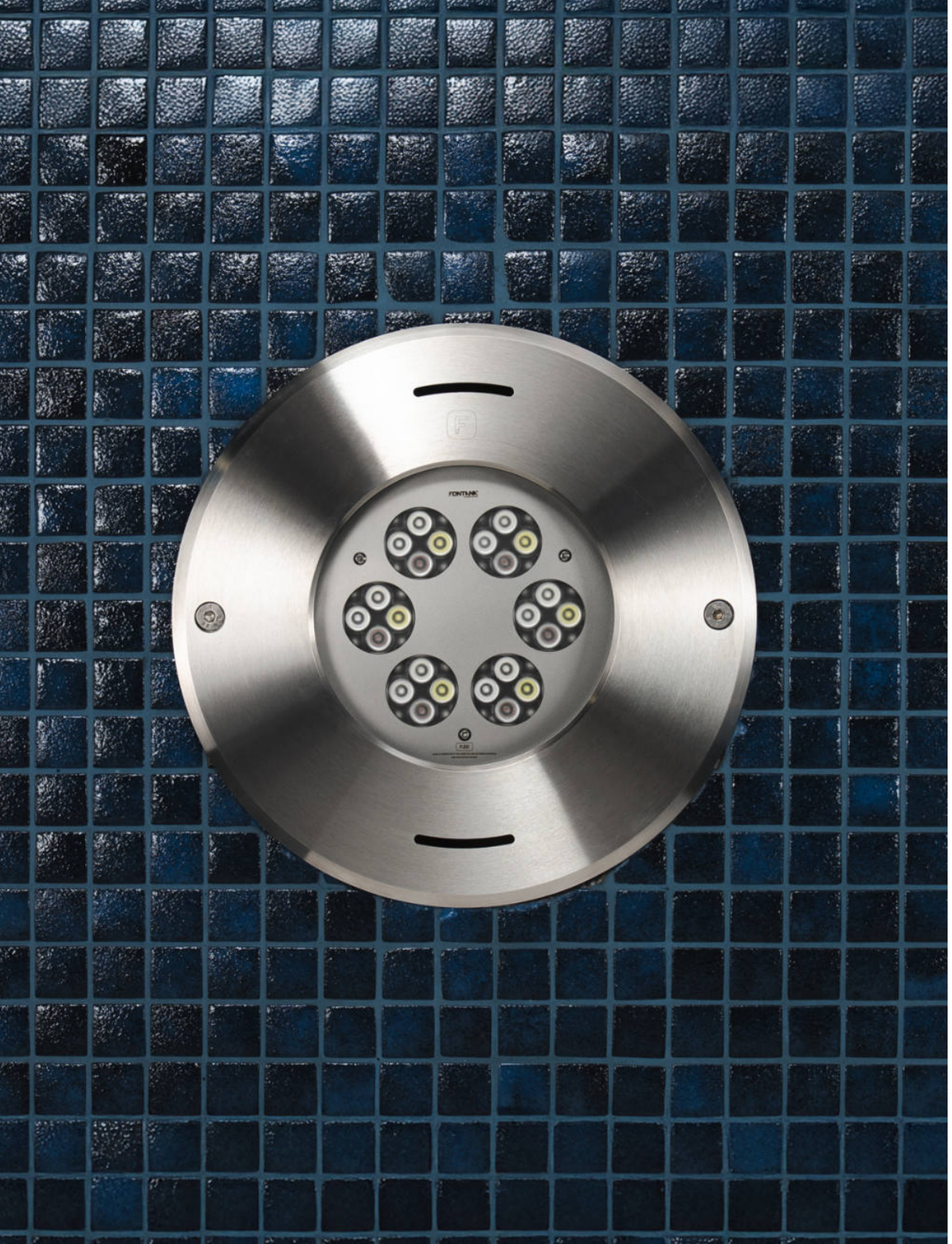
PLN700	Standard niche for wall installation
PLN700.LNR	Niche for liner pools
PLN700.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet



PL800

Recessed luminaire for large pools, Ø 240 mm.

PL800 lights some of the world's most luxurious pools, among them Burj Al Arab in Dubai. Its timeless design and power suit high-end commercial and private pools, and its refined finish lets the faceplate sit naturally in its surroundings. Eighteen high-power LEDs give up to 11,225 lm in white, or colour through RGB and RGBW.

MARRIOTT WORLD CENTER · FLORIDA, USA





Large commercial and private pools

PL800

Ø 240 mm · depth 95 mm
AISI 316L stainless steel
Up to 11,225 lm at 85 W
White 3000, 6000 K · RGB · RGBW
12–24 V DC · IP68
CE · cULus Listed (WBDT)


BURJ AL ARAB JUMEIRAH · DUBAI


BURJ AL ARAB JUMEIRAH · DUBAI

Technical data

Light source

White 3000, 6000 K · RGB, RGBW

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PL800.WW	White 3000K	85W	10180	12-24V DC	18	On/Off
PL800.CW	White 6000K	85W	11225	12-24V DC	18	On/Off
PL800.RGB	RGB	45W	2225	12-24V DC	18	led:bus
PL800.RGBW	RGBW	72W	4000	12-24V DC	24	led:bus

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Stainless Steel AISI316L

Optics

55° Optically-clear Lenses for pool lighting
also available: 15°, 40°, 90° and elliptical lenses.

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

3.0 m chlorine-resistant, waterproof; 12 ft SOOW for North America (UL); 5, 10, 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

12-24 V DC 10-30V DC Operating Range.
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3; 18 high-power LED; 24 in RGBW

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

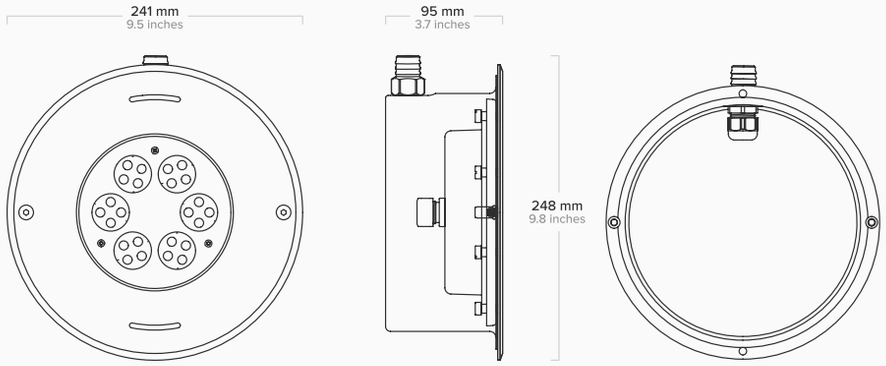
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses



Ordering

State article, optic, control, cable length and housing

PL800.NW · 55° · ON/OFF · 10 m · 316L

Niche

PLN800	Standard niche for wall installation
PLN800.LNR	Niche for liner pools
PLN800.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet

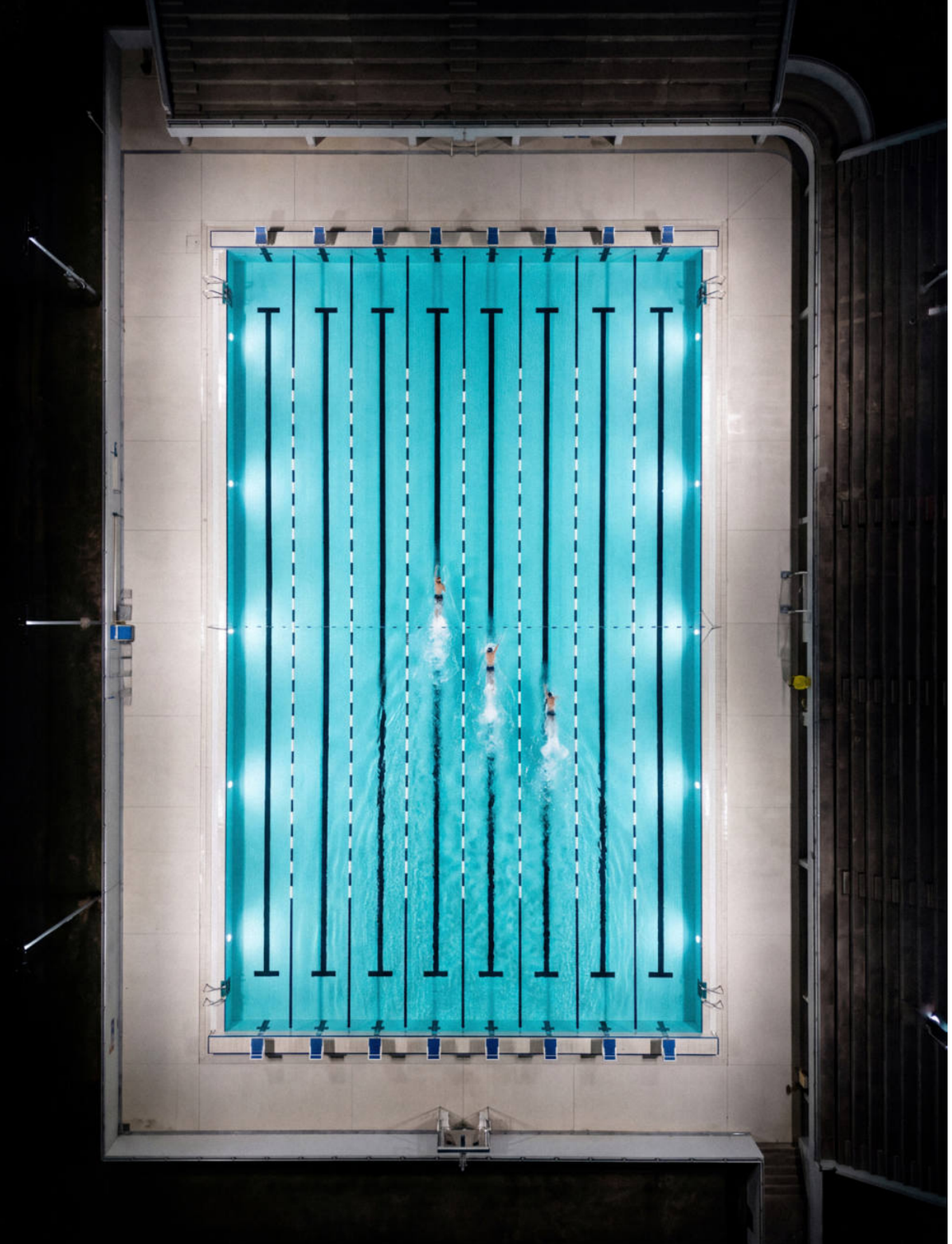
PL800



PLX900

Flagship recessed luminaire, Ø 287 mm.

The flagship of the series. PLX900 combines phenomenal output in white or colour with super-premium materials machined at exceptional precision, and the most sophisticated optics in the range, for uniform or deliberately dramatic light in large-scale pools.







Large-scale resort, lagoon and public pools

PLX900

Ø 287 mm · depth 105 mm
AISI 316L stainless steel
Up to 20,430 lm at 144 W
White 3000, 6000 K · RGBW · RGBAW
24 V DC · IP68
CE · UL Listed [confirm]

Technical data

Light source

White 3000, 6000 K · RGBW, RGBAW

Model Nr.	Color	Power	Flux lm	Voltage	LEDs	Control
PLX900.WW	White 3000K	144W	18530	24V DC	42	On/Off
PLX900.CW	White 6000K	144W	20430	24V DC	42	On/Off
PLX900.RGBW	RGBW	130W	8170	24V DC	42	led:bus
PLX900.RGBAW	RGBAW	85W	6485	24V DC	30	led:bus

Custom colors and CCTs (e.g. 2700K, 5000K, Amber, RGBAW) available on request; Custom control options (Dali, DMX, Dimmable) also available. Power & lumens can be modified to meet specific project requirements.

Fixture

Housing

Stainless Steel AISI 316L (1.4404)
Stainless Steel AISI 316Ti (1.4571) on request

Niche

Stainless Steel AISI316L

Optics

65° Optically-clear Lenses for pool lighting
also available: 15°, 30°, 90° and elliptical lenses.

Glass

Extra Clear, Tempered, Heat-Resistant Safety Glass

Cable

3.0 m chlorine-resistant, waterproof; 12 ft SOOW for North America (UL); 5, 10, 15 m or custom

Protection

IP68 · safety class III

Electrical

Supply

24 V DC
output unaffected by voltage drop

Control

led:bus · DMX/RDM · DALI · simple electrical control

LED Module

Fontana Lighting Module Gen.3; 42 high-power LED; 30 in RGBAW

Electronics

Microprocessor and drivers on board · active thermal protection, 256 levels · surge and reverse-voltage protection · flicker-free · soft start · noise suppression

Lifespan

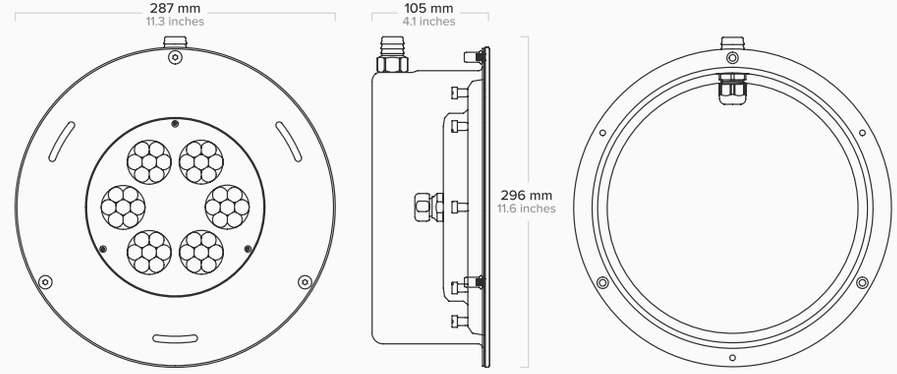
>80.000 h estimated (LM80)

Certification

CE · cULus Listed (WBDT) · IP68 · EMC · RoHS · NEC 2020 · ISO 9001, 14001, 45001

Dimensions

mm · schematic



Optics

Optically clear lenses



Ordering

State article, optic, control, cable length and housing

PLX900.WW · 65° · ON/OFF · 10 m · 316L

Niche

PLN900	Standard niche for wall installation
PLN900.LNR	Niche for liner pools
PLN900.WLD	Weld-in niche for stainless steel pools

Certification

TÜVRheinland ISO9001 · ISO14001 · ISO45001 · CE · cULus LISTED · nec 2020 · IP68 · EMC · RoHS

Downloads

IES · LDT · CAD · STEP · OBJ · technical sheet



Projects

From a sixty-metre dive pool to island resorts: selected pools lit by Fontana.



Anantara Oman · PL700

Deep Dive Dubai

Sixty metres deep, the deepest pool in the world, and lit by arrays of Fontana ULX800.

ULX800 is a Fontana show light for deep water lighting. At such a world-class venue and at that depth, there is no second chance to service a light. Its IP68 rating was certified at 75 metres, the limit of the test laboratory.



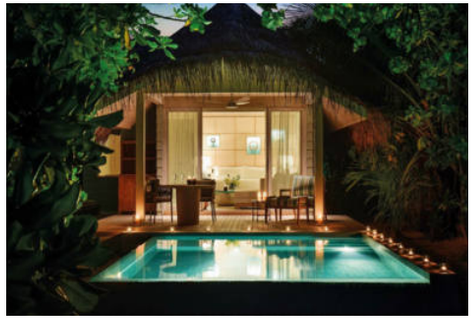

LUX* GRAND BAIE · MAURITIUS



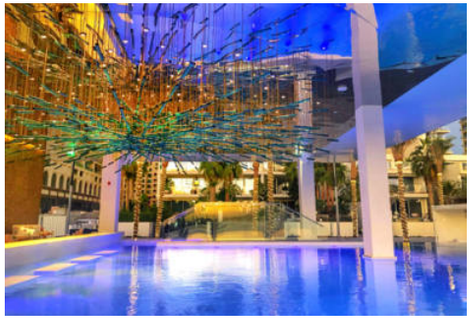
One&Only Le Saint Géran Mauritius · PL300



Anantara Oman · PL700



Kanuhura Maldives · PL300



FIVE Dubai · PL300



Zaya Hameni Dubai · PL mini, PL300



Ossaimi Resort Palm Jumeirah Dubai · Multiple

Reference index

Some of our recent projects illuminated by Fontana PL Swimming Pool Lights

001 **Burj Al Arab Jumeirah**
UAE · PL mini, PL300, PL800

002 **Shanghai Disneyland** China · XL600

003 **EPCOT, Walt Disney World** USA

004 **Waldorf Astoria Maldives Ithaafushi**
Maldives · PL300

005 **One&Only Le Saint Géran**
Mauritius · PL300, PL600, PL700

006 **Four Seasons Resort and Residences AMAALA at Triple Bay**
Saudi Arabia · PL mini, PL300, PL600, PL700

007 **Orlando World Center Marriott** USA · PL800

008 **Deep Dive Dubai** UAE · PL300

009 **Adelaide Hotel** Australia · PL300

010 **Chelmsford Place Promenade**
Australia · PL300

011 **Edmondson Park** Australia · PL700

012 **EQ West, Elizabeth Quay**
Australia · PL700, PL800, PLX900

013 **Gateway Shopping Centre** Australia · PL300

014 **H2O Fountain** Australia · PL300

015 **Rosebank College** Australia · PL300

016 **Tingalpa Hotel** Australia · PL mini, PL300

017 **Husam A. Villa** Bahrain · PL300

018 **Boutique Hotel** Belgium · PL300

019 **Le Clos du Lac** Belgium · PL300

020 **M/Y Defiant** Cayman Islands · PL700, PL800

021 **Arena Grand Kažela Campsite**
Croatia · PL300, PL700, PL800, PLX900

022 **Biodesign Pool** Croatia · PL300, PL700, PL800

023 **Bjelovar** Croatia · PL700, PL800, PLX900

024 **Borovje** Croatia · PL700

025 **Čakovec Fountain** Croatia · PL700, PL800

026 **Crikvenica** Croatia · PL300, PL700

027 **Daruvar** Croatia · PL300, PL700, PL800, PLX900

028 **Džamonja Fountain, Kazališni Park**
Croatia · PL300, PL600

029 **Falkensteiner Premium Camping Zadar**
Croatia · PL300, PL600, PL700, PL800, PLX900

030 **Gospić Fountain**
Croatia · PL300, PL700, PLX900

031 **Hotel Keight** Croatia · PL600, PL700, PL800

032 **Hotel Žnjan**
Croatia · PL300, PL700, PL800, PLX900

033 **Kamp Pila** Croatia

034 **King Tomislav Square Fountain**
Croatia · PL300, PL800

035 **Klek** Croatia · PL300, PL700, PL800, PLX900

036 **Lipik Fountain** Croatia · PL300, PL600, PL700

037 **Murter** Croatia · PL700

038 **Naftalan Special Hospital**
Croatia · PL300, PL700, PL800, PLX900

039 **Nova Gradiška and Valpovo**
Croatia · PL700, PLX900

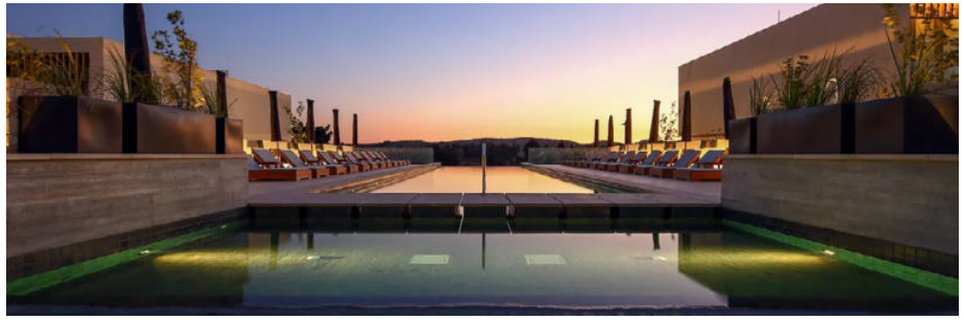
040 **Nova Gradiška Galaxy Fountain**
Croatia · PL800



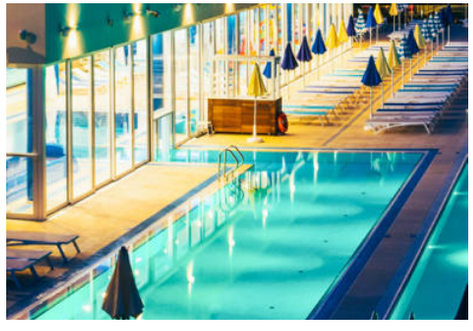
SkyCity Adelaide Australia



Port 9 Resort Croatia



Minthis Hills Resort Cyprus



Valamar Rabak Croatia

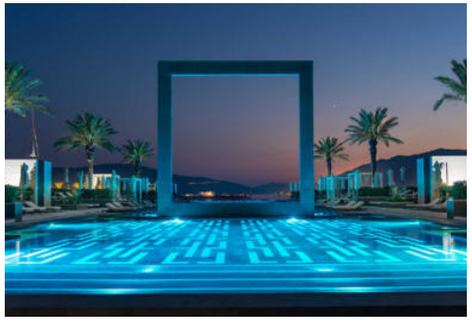


Hilton Doha the Pearl Qatar

041 **Shangri-La Barr Al Jissah Resort & Spa** Oman · PL300
042 **FIVE Palm Jumeirah** UAE · PL300, PLX900
043 **Cirque du Soleil** USA · PLX900
044 **Jio World Centre** India · PL800
045 **ICONSIAM** Thailand · PL800
046 **Paleis Het Loo** Netherlands · PL700
047 **LUX* Grand Baie** Mauritius · PL300
048 **Hilton Doha The Pearl** Qatar · PL300, PL700
049 **Nova Gradiška Municipal Swimming Pools** Croatia · PL300, PL700, PLX900
050 **Nova Gradiška Roundabout Fountain** Croatia · PL700, PL800
051 **Opatija Fountain** Croatia · PL300
052 **Poljana Square Water Clock Fountain** Croatia · PL300, PL700
053 **Port 9 Resort** Croatia · PL300, PL700
054 **Prince Mohammed bin Salman Islamic Cultural Centre** Croatia · PL300, PL600
055 **Rovišće** Croatia · PLX900
056 **Stubičke Toplice** Croatia · PL300, PL700, PLX900
057 **Varaždinske Toplice** Croatia · PL700, PL800
058 **Villa Sheherezade** Croatia · PL mini, PL300, PL600, PL700
059 **Vrapče Fountain** Croatia · PL800
060 **Z. Residence** Croatia · PL700
061 **Zagreb Olympic Swimming Pool** Croatia · PL300, PL700
062 **Zaton Holiday Resort** Croatia · PL300, PL700, PL800, PLX900
063 **Atlantica Mare Village** Cyprus · PL300
064 **Eriettas and Yiotis Residence** Cyprus · PL300
065 **Fadi El O. Residence** Cyprus · PL300, PL700
066 **Minthis Hills Resort** Cyprus · PL300, PL700, PL800
067 **Royal Cliff Villas** Cyprus · PL300
068 **Bakaláře Fountain** Czech Republic · PL300
069 **BIS** Czech Republic · PL300
070 **Hnědý Vrch Apartments** Czech Republic · PL300, PL800
071 **Hotel Jezerka** Czech Republic · PL300
072 **Hotel Ostružná** Czech Republic · PL600, PL800
073 **Hotel Thermal** Czech Republic · PL800
074 **K. Residence** Czech Republic · PL800
075 **Kraví Hora Sports and Recreation Centre** Czech Republic · PL600, PL800
076 **Lakeside Lipno** Czech Republic · PL600
077 **Lanškroun** Czech Republic · PL600
078 **Lasska Chalupa** Czech Republic · PL300, PL600
079 **OC Kladno** Czech Republic · PL600
080 **Resort Valtberg** Czech Republic · PL800
081 **Senohraby** Czech Republic · PL300, PL800
082 **Štětkovice** Czech Republic · PL300
083 **The Oaks Prague, Residences R1 and R7** Czech Republic · PL mini, PL800
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085 **Zelec** Czech Republic · PL300
086 **Žlutý Kopec** Czech Republic · PL300, PL600, PL700, PL800
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089 **La Crau Town Hall** France · PL700, PL800
090 **Villa D.** Ghana · PL300, PL600
091 **Sun Yat Sen Memorial Park Swimming Pool** Hong Kong · PL600, PL700
092 **Le Parc Thamrin Nine** Indonesia · PL300, PL700
093 **Ali Al T. Villa** Iraq · PL800



Zaton Resort Croatia



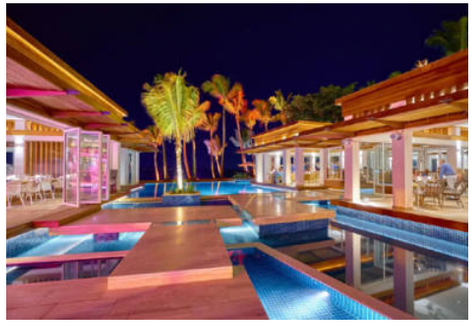
Porto Novi Montenegro



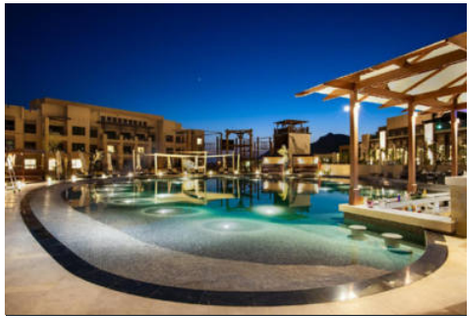
Estate by BON Malaysia



Constance Belle Mare Mauritius



One & Only Mauritius



DusitD2 Naseem Oman

094 **Mall of Qatar** Qatar · PL300, PL700
095 **Anantara Mina Al Arab Ras Al Khaimah Resort** UAE · PL300, PL700
096 **Hyatt Regency Aqaba** Jordan · PL mini, PL300, PL700, PL800
097 **Rixos Gulf Hotel Doha** Qatar · PL300, PL600
098 **Constance Belle Mare Plage** Mauritius · PL mini, PL600, PL700
099 **BCH:CLB, W Dubai – The Palm** UAE · PL300, PL700
100 **Port de La Mer** UAE · PL mini, PL300, PL600, PL700, PL800
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102 **Millennium Basra Hotel** Iraq · PL mini
103 **Givat Shmuel** Israel · PL300
104 **Kiryat Malakhi Fountain** Israel · PL700
105 **M. Residence** Israel · PL300
106 **Simo T. Residence** Israel · PL700
107 **Maximall Pompeii** Italy · PL600
108 **Serravalle Designer Outlet** Italy · PL600
109 **Ayla Marina Village** Jordan · PL300, PL700
110 **A. Villa** Kuwait · PL300, PL600
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113 **Assima Tower** Kuwait · PL300, PL700
114 **Sheikh Abdulaziz Al S. Residence** Kuwait · PL300, PL600
115 **Sheikh Ali Al S. Villa** Kuwait · PL300, PL600, PL700, PL800
116 **Sheikh Jaber Al Abdullah Al Jaber Al Sabah International Tennis Complex** Kuwait · PL600, PL700
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118 **C. Residence** Lebanon · PL300
119 **S Spa** Lebanon · PL mini, PL300
120 **S. Residence** Lithuania · PL300, PL600, PL800
121 **Vilnius Grand Resort** Lithuania · PL300, PL800
122 **The Estate by BON Estates** Malaysia · PL600
123 **Banyan Groves** Mauritius · PL mini, PL300, PL600, PL700
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126 **L. Residence** Mauritius · PL300, PL700
127 **L. Residence** Mauritius · PL mini, PL300
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129 **Mont Choisy Le Parc, Island Signature Villas** Mauritius · PL600
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132 **Bandar Al Khairan** Oman · PL mini, PL300, PL600
133 **Private Swimming Pool** Oman · PL300, PL600, PL700, PL800
134 **Gardencourt Residences** Philippines · PL mini, PL700
135 **L-House** Philippines · PL300, PL700, PL800
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137 **Quinta Marques Gomes** Portugal · PL300
138 **Al Rayyan Celebration Hall** Qatar · PL700
139 **Al Wakrah Wedding Hall** Qatar · PL700
140 **Butheila Farm** Qatar · PL300
141 **Emaar Sheikh Jassim Al T.** Qatar · PL300, PL800
142 **Energy City Qatar, Parcel H-01** Qatar · PL600
143 **Festival Hall** Qatar · PL700
144 **Golf Course at TAB** Qatar · PL300
145 **Hamad Port** Qatar · PL300
146 **Hilton Doha The Pearl Residences** Qatar · PL300, PL700
147 **Hilton Panorama** Qatar · PL300, PL700

148 **King Abdulaziz International Airport Mosque** Saudi Arabia · PL600
149 **Al Rajhi Grand Mosque** Saudi Arabia · PL mini, PL800
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151 **Doha Festival City** Qatar · PL300
152 **Qur'anic Botanic Garden, Education City** Qatar · PL mini, PL300
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154 **SkyCity Adelaide** Australia · PL300
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156 **Internal Security Forces Camp** Qatar · PL300, PL600, PL800, PLX900
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158 **Lusail Office Tower, Com 18** Qatar · PL300
159 **Lusail Palaces** Qatar · PL300, PL800
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161 **Mohammed Al A. Villa** Qatar · PL300
162 **Naufar Wellness and Recovery Center** Qatar · PL300, PL600
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164 **Porto Arabia Fountain, The Pearl** Qatar · PL300, PL600
165 **PTJ Pearl Mansion Palace** Qatar · PL300
166 **Rayyan Palace** Qatar · PL300
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168 **Sheikh Mansoor Al T. Farmhouse** Qatar · PL300, PL600
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176 **At Taawun Smart Park** Saudi Arabia · PL800
177 **Cordoba Oasis Village Compound** Saudi Arabia · PL700
178 **CORE Beach Resort** Saudi Arabia · PL300
179 **F. Villa** Saudi Arabia · PL mini, PL300
180 **Haifa Al J. Villa** Saudi Arabia · PL mini, PL300
181 **Jihah Al A. Villa** Saudi Arabia · PL300, PL600, PL700
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184 **S. and E. Residence** Saudi Arabia · PL mini, PL300
185 **Sara B. Residence** Saudi Arabia · PL mini, PL600
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187 **Constance Ephelia** Seychelles · PL300, PL600
188 **Félicité Island Development** Seychelles · PL600
189 **Pangia Beach** Seychelles · PL300, PL600
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191 **Dobrepolje Municipal Fountain** Slovenia · PL300
192 **Ibiza Private Residence** Spain · PL mini, PL300
193 **Kungsängens Centrum Torget** Sweden · PL300
194 **A. Residence** Switzerland · PL300
195 **Belvedere Spa** Switzerland · PL300
196 **Casa Garzoni** Switzerland · PL300
197 **Due Ciliegi** Switzerland · PL300
198 **G. Residence** Switzerland · PL300, PL600
199 **H. Residence** Switzerland · PL300
200 **Lo M. House** Switzerland · PL300
201 **Loreto Public Park** Switzerland · PL300
202 **M. Residence** Switzerland · PL600
203 **P. Residence** Switzerland · PL300

204 **Mövenpick and Radisson Blu Hotels** Vietnam · PL mini, PL300, PL600, PL700, PL800
205 **dusitD2 Naseem Resort** Oman · PL300, PL600
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207 **C Mauritius** Mauritius · PL300, PL600, PL700
208 **Falkensteiner Resort Punta Skala** Croatia · PL700, PL800
209 **Valamar Rabac** Croatia · PL700, PL800, PLX900
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211 **Emaar Square** UAE · PL300
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214 **Residenza Rivabella** Switzerland · PL300, PL600, PL700
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224 **Al Sulaimi Park** UAE · PL300, PL600
225 **Artesia, DAMAC Hills** UAE · PL600
226 **Ashjar at Al Barari** UAE · PL mini, PL300, PL600, PL800
227 **Bulgari Penthouse** UAE · PL300
228 **Celadon, City Walk** UAE · PL300
229 **Emaar Development, Burj Khalifa Area** UAE · PL300, PL700
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231 **Emirates Hills Villa** UAE · PL300
232 **Hidd Al Saadiyat Villas** UAE · PL300
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234 **Naseem Al Sharq** UAE · PL mini, PL300
235 **Novotel Sharjah Expo Centre** UAE · PL300, PL600, PL700, PL800
236 **Palm Jumeirah Villa** UAE · PL300, PL600, PL700, PL800
237 **Pawa L. Villa** UAE · PL700
238 **Private Villa** UAE · PL300
239 **R. Villa** UAE · PL600, PL800
240 **S. Villa** UAE · PL300
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242 **Vida Beach Resort Umm Al Quwain** UAE · PL600, PL700
243 **Zaya Hameni** UAE · PL300, PL600, PL700
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245 **B. Residence** USA · PL300, PL700, PL800
246 **Bentley Bay** USA · PL800
247 **Colorado Private Residence** USA · PL300, PL800
248 **Eckhart Public Library Fountain** USA · PL800
249 **G. Residence** USA · PL300
250 **Garfield Park Sunken Garden** USA · PL800, PLX900
251 **Helios Education Foundation Headquarters** USA · PL300, PL600, PL700
252 **John F. Residence** USA · PL300, PLX900
253 **M. Residence** USA · PL mini, PL300
254 **Marie Canine Plaza Fountain** USA · PL300
255 **Meadowbrook Residence** USA · PL300, PL800
256 **Miami Penthouse** USA · PL800
257 **Miramar Mansion** USA · PL700
258 **New York Residence** USA · PL mini, PL300
259 **Rosemary Square** USA · PL600
260 **Royal Oaks Wellness Center** USA · PL300
261 **The Tanager Residence** USA · PL300, PL700, PL800
262 Christos M. Residence PL300, PL700, PL800
263 Villas 60 and 61 PL300, PL700

and many Palaces, Confidential and Private projects


DOUBLE TREE HILTON · RAS AL KHAIMAH

Design assistance

We work as part of the team, from the first sketch to the last night of commissioning.

Design package	Drawings, product photographs and reference images for your presentations.
Specification	Bid texts and tender articles
Photometry and CAD	IES and LDT files, CAD, STEP and OBJ for every luminaire.
Proof	Simulation, test pools and mock-ups when a detail needs proving.
Support	From first sketch through construction and handover.

Design support

+44 20 4525 0751 · info@fontana.lighting



Made to project

The catalogue is where a specification starts, not where it ends.

Colour temperature	2700K, 5000K, Tuneable White, and more available on demand
Colour	RGB, RGBW and RGBAW by model; amber on request.
Output	Power and lumens customized to the project's needs.
Optics	Narrow, medium, wide and elliptical alternatives to every standard lens.
Cable	3 m as standard; 5, 10, 15 m or custom; SOOW for North America.
Material	AISI 316Ti or AISI904L housings on request.
Control	DALI, DMX and dimmable versions on request.

Non-standard and bespoke work is part of what we do: the factory, the electronics and the software are all Fontana. Ask for design support.



In the water, and out of it

The XL series are Fontana's multi-purpose lights: compact spotlights in solid stainless steel that work under water and in open air. The same electronics as the pool lights, in a body made for fountains, streams, gardens, façades and walkways.



XL mini



XL 300



XL 150



XL 600

Solid stainless steel	A solid AISI 316L stainless steel body; 316Ti on request.
In or out of water	IP68, on a heavy-duty bracket. Floor-mount and built-in versions available.
Same electronics	On-board processor and drivers, 12–24 V DC; output unaffected by voltage drop.

Also from Fontana

UL series

Submersible lights for fountains and water features.



ULX series

Show-grade lights for WaterShows and large architectural fountains.



ULR series

Ring lights for water features, for unified lighting.





HAYAT SQUARE · JUBAIL, KSA

Beyond the pool

The same expertise, factory, technology and electronics go into everything else Fontana makes.

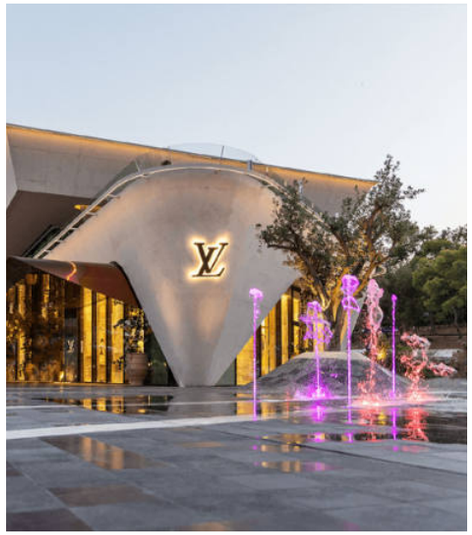
Fountain lighting	UL and ULX series: surface-mounted underwater lights
Ring lights	ULR series: 360° light around jets and water features.
Multi-purpose lights	XL series: recessed or surface-mounted, in and out of water, for gardens, walkways and façades.
Fountains and water features	Nozzles, dry-deck fountains, special effects and complete systems.
WaterShow	Water, light and music, choreographed.
Misting poles	Fog for outdoor cooling.

Selected water projects	Atlantis The Royal, Dubai KAFD Headquarters Tower, Riyadh Stavros Niarchos Foundation Cultural Center, Athens Hayat Square WaterShow, Jubail Louis Vuitton storefront, Astir Marina


HELLINIKON EXPERIENCE PARK


ATLANTIS THE ROYAL · DUBAI

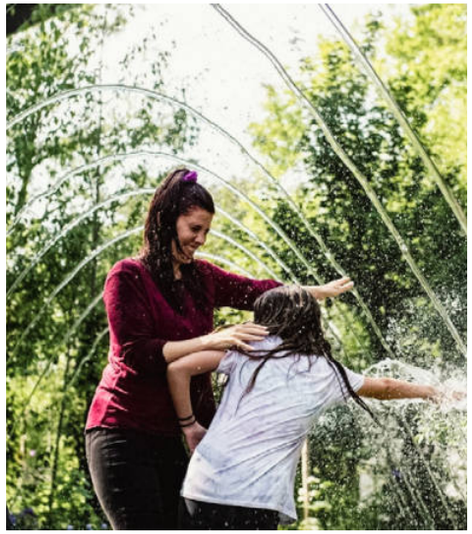
KHALIFA CITY · ABU DHABI



Louis Vuitton Flagship Store · Greece



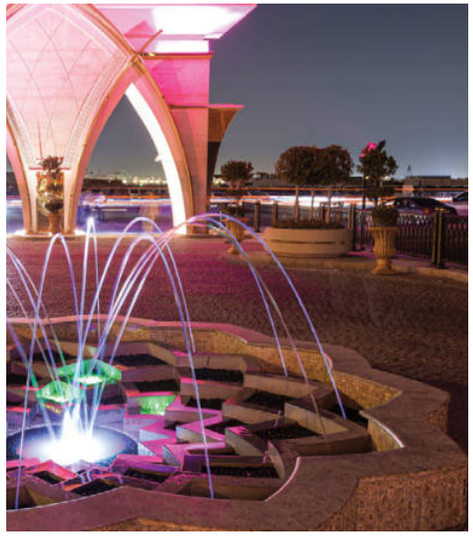
Mall of Qatar · Qatar



Swiss Science Museum · Switzerland



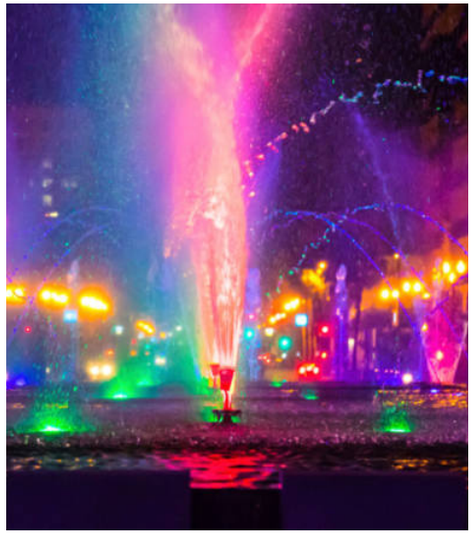
Omonoia Square · Greece



Anantara Banana Island · Doha, Qatar



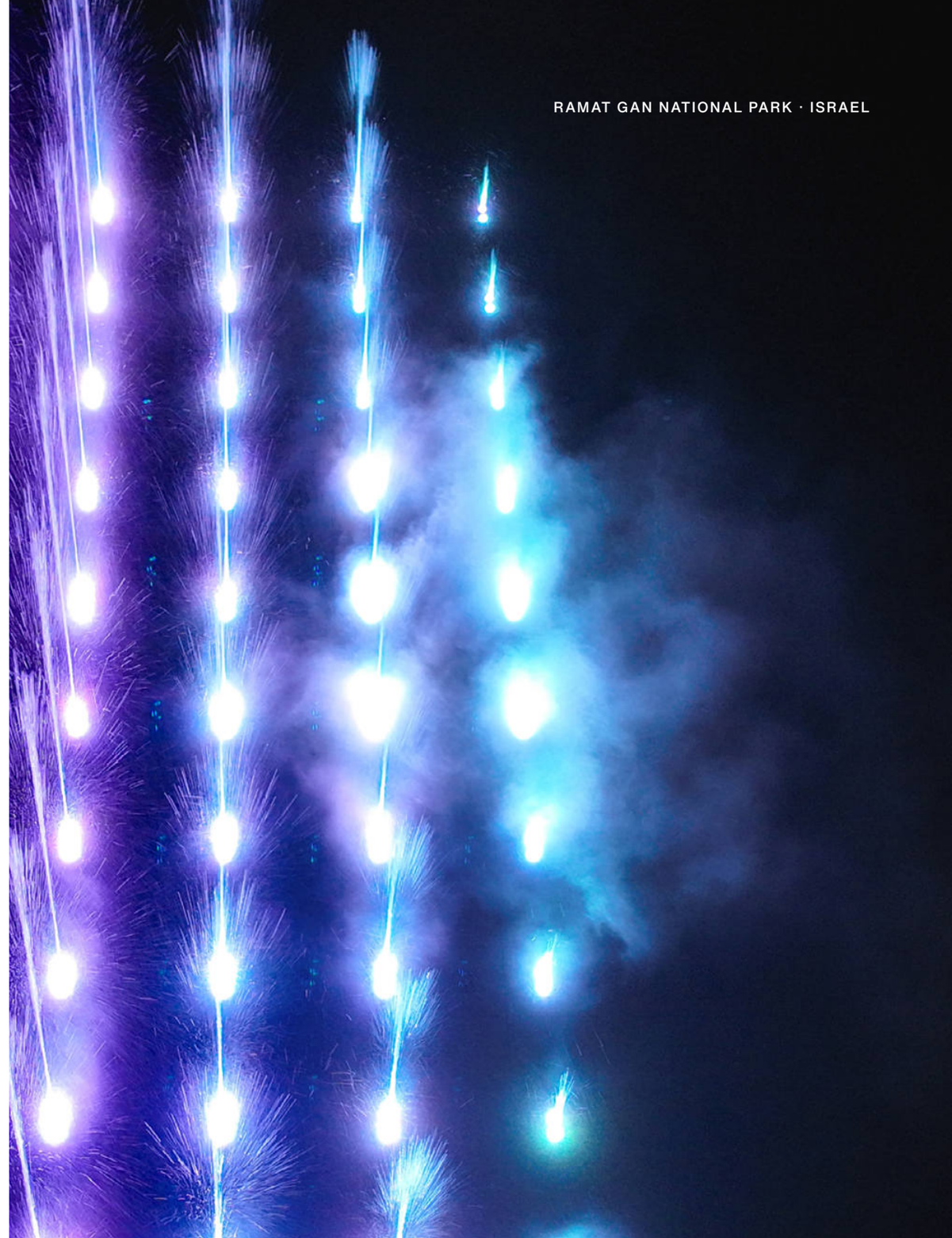
Pleven Musical Fountains · Bulgaria



Long Beach PAC · USA



Beitar Illit Roundabout Water Feature · Israel



RAMAT GAN NATIONAL PARK · ISRAEL

AISI 316L / 1.4404
Low-carbon molybdenum stainless steel; resists pitting in chloride water - the high-end standard.

AISI 316Ti / 1.4571
Titanium-stabilised 316, available on request.

Beam angle
Angle within which a luminaire emits most of its light; water and surface properties affect the result.

CCT
Correlated colour temperature, in kelvin: 3000 K warm, 6000 K cool.

DALI
Digital Addressable Lighting Interface, the building lighting control standard (IEC 62386).

DMX512 / RDM
Show-lighting control protocol; RDM adds two-way remote device management.

Efficacy
Light per watt, lm/W.

IES / LDT
Photometric data files for lighting calculations (IES LM-63, EULUMDAT).

IP68
Dust-tight and protected against continuous immersion, to IEC 60529.

L80 / LM-80
Life to 80 % of initial light; LM-80 is the LED test method behind it.

led:bus
Fontana's control protocol for multi-colour lights. Uses simple 3-wire cables for multi-addressed fixtures.

Lumen (lm)
Total visible light emitted.

Niche
The housing set into the pool wall that receives the luminaire.

RGBW / RGBAW
Red, green, blue plus white; RGBAW adds amber. White CCT can be determined.

Safety class III
Equipment supplied only from SELV.

SELV
Safety extra-low voltage: in pool zones 0 and 1, max 12 V AC or 30 V ripple-free DC.

Snell's window
Cone of 48.6° from vertical inside which light can leave the water.

SOOW
Flexible, oil- and water-resistant cable type used in North America.

UL WBDT
UL category for swimming pool and spa luminaires, evaluated to UL 676.

Zones 0, 1, 2
Areas around a pool with rising electrical requirements, IEC 60364-7-702.

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Light, under water.

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