



Aqualux Lighting Catalogue

Designed by **Aqualux**

2023

Aqualux Lighting is at the forefront of Australian landscape lighting design and manufacture. From our Sydney-based design and manufacturing facility to our national network of resellers and specialty lighting stores we have helped bring some nighttime wonder into countless homes and outdoor spaces around the country.

In 2021, Aqualux commenced a significant investment in our local manufacturing facilities, providing the foundation for continued growth and support of our customers well into the future.

LumenaPro - Pages 51 to 64



AQL-156 AQL-157 AQL-158 AQL-180/SP AQL-180 AQL-840 AQL-860 AQL-880 AQL-980 AQL-985

Lumena - Pages 67 to 97



AQL-105 AQL-115 AQL-116 AQL-120 AQL-120/SM AQL-122 AQL-130 AQL-130/SM AQL-132 AQL-135

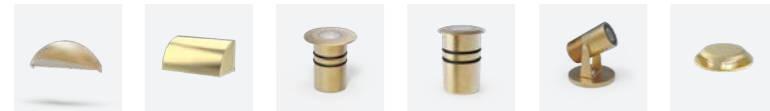


AQL-135/SM AQL-151 AQL-152 AQL-154 AQL-155 AQL-162 AQL-163 AQL-164 AQL-165 AQL-166



AQL-175 AQL-176 AQL-195 AQL-220 AQL-240 AQL-514 AQL-515 AQL-516

Phoenix - Pages 99 to 107



AQL-510 AQL-520 AQL-530 AQL-531 AQL-540 AQL-565

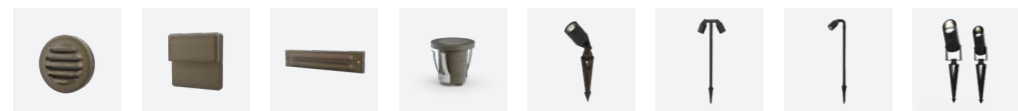
Hydra - Pages 109 to 137



AQL-400 AQL-401 AQL-402 AQL-403 AQL-404 AQL-405 AQL-406 AQL-407 AQL-408



AQL-409 AQL-410 AQL-411 AQL-412 AQL-413 AQL-414 AQL-415 AQL-416 AQL-417



AQL-418 AQL-419 AQL-420 AQL-421 AQL-450 AQL-451 AQL-452 AQL-455

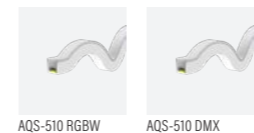
Neon Flex & Linear - Pages 139 to 171



AQS-170 AQS-172 AQS-173 AQS-180 Ultra AQS-400 Mono AQS-401 Mono AQS-402 Mono AQS-402 RGB AQS-410 RGB AQS-420 Mono



AQS-420 RGB AQS-421 Mono AQS-421 RGBW AQS-500 Mono AQS-500 RGB AQS-500 RGBW AQS-500 DMX AQS-505 Mono AQS-510 Mono AQS-510 RGB



AQS-510 RGBW AQS-510 DMX

AQL-600 Series - Pages 173 to 179



AQL-600 AQL-601 AQL-602 AQL-603

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String Lighting - Pages 189 to 193



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Control Gear, Lamps & Accessories - Pages 195 to 213



AQL-250 AGL-550 AQD AGO AQF-G-001 AQF-G-002 AQF-G-003 AQF-G-004 AQF-G-005

Recessed



AQL-156 AQL-157 AQL-158 AQL-151 AQL-152 AQL-154 AQL-155 AQL-195



AQL-421 AQL-530 AQL-531

Ceiling



AQL-175 AQL-176 AQL-840 AQL-860 AQL-880

Spot Lights & Projector

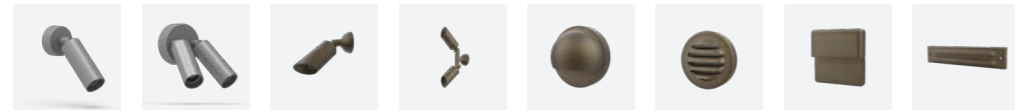


AQL-105 AQL-115 AQL-116 AQL-132 AQL-180/SP AQL-180 AQL-980 AQL-985



AQL-415 AQL-540 AQL-400 AQL-455 AQL-450

Wall Mounted



AQL-220 AQL-240 AQL-401 AQL-402 AQL-417 AQL-418 AQL-419 AQL-420



AQL-514 AQL-515 AQL-516 AQL-510 AQL-520 AQL-600 AQL-601 AQL-602 AQL-603

Grazing



AQL-162 AQL-163 AQL-164 AQL-165 AQL-166 AQL-565

Pathlights & Bollards



AQL-120 AQL-120/SM AQL-122 AQL-130 AQL-130/SM AQL-135 AQL-135/SM AQL-409



AQL-410 AQL-411 AQL-412 AQL-413 AQL-414 AQL-416 AQL-452 AQL-451

Area & Flood



AQL-931 AQL-933-50 AQL-933-100 AQL-933-150 AQL-933-200 AQL-933-240 AQL-933-320

String Lighting



AQF-025 AQF-050 AQF-100 AQF-FL-GWW-5M AQF-FL-GWW-10M AQF-FL-GWW-20M

Neon Flex & Linear



AQS-170 AQS-172 AQS-173 AQS-180 Ultra AQS-400 Mono AQS-401 Mono AQS-402 Mono AQS-402 RGB AQS-410 RGB



AQS-420 Mono AQS-420 RGB AQS-421 Mono AQS-421 RGBW AQS-500 Mono AQS-500 RGB AQS-500 RGBW AQS-500 DMX AQS-505 Mono



AQS-510 Mono AQS-510 RGB AQS-510 RGBW AQS-510 DMX

Control Gear & Lamps

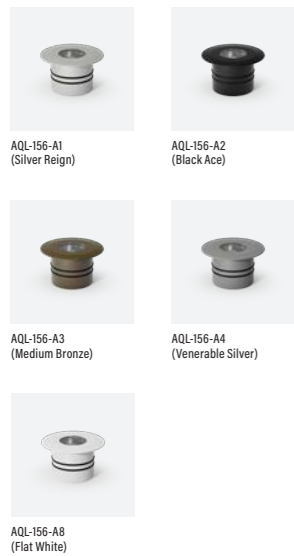


AQL-250 AGL-550 AQL-000 AGL-000 AQF-G-001 AQF-G-002 AQF-G-003 AQF-G-004 AQF-G-005

There are always many development projects taking place at Aqualux and throughout 2022 we have been busy designing and testing a range of new products. We're excited to showcase a few of them here.

In addition to the products below, in the works are a whole host of upgrades and brand new products set to be introduced during 2023.

Of course we also take on numerous custom development requests and are hoping to turn a few of these into new standard products in the near future.

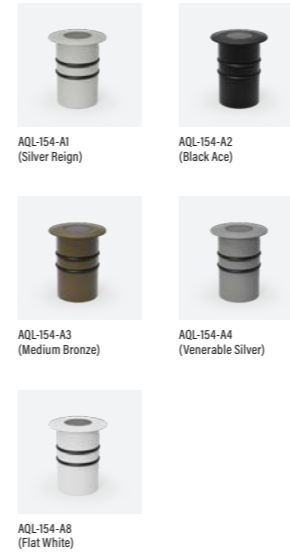


AQL-156

Mid-Power Recessed uplight

The AQL-156 is designed for mid-size vertical illumination of walls, facades and features where 1000+ lms is required.

Available with high efficiency reflector optics, asymmetric wall washing or low glare TIR options. Full Dulux powder coat range is available as well as a hybrid epoxy primer for coastal applications.

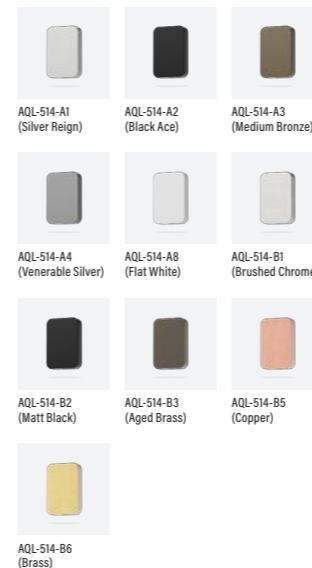


AQL-154

Ultra Low Glare Recessed uplight

A new addition to the best-selling AQL-150 series of in-ground uplights, the AQL-154 features a deeply recessed light source for increased glare control and discrete illumination.

With the same CCT and LED options as the AQL-155 and a new set of optical options, the 154 is a complementary addition to the family intended to expand illumination design possibilities.



AQL-514

Slimeline Grazing Light

The AQL-514 is a 60mm grazing light suitable for steps, corridors and general wayfinding applications.

A minimal design language ensures seamless integration with a wide range of interior and exterior scenarios. Hidden, toolless mounting mechanism provides a flush fit with no visible screws or fasteners.

Multiple surface finishes and CCT options provide maximum design choice and configuration flexibility.



AQL-515

Slimline Grazing Light

The AQL-515 is a 90mm grazing light suitable for steps, corridors and general wayfinding applications.

A minimal design language ensures seamless integration with a wide range of interior and exterior scenarios. Hidden, toolless mounting mechanism provides a flush fit with no visible screws or fasteners.

Multiple surface finishes and CCT options provide maximum design choice and configuration flexibility.



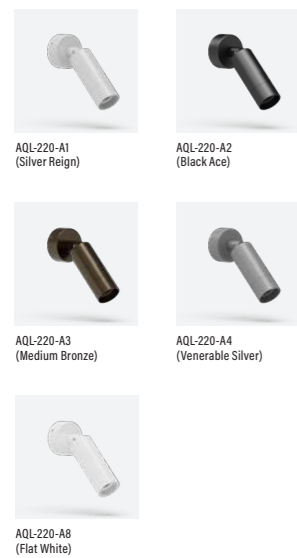
AQL-516

Slimline Grazing Light

The AQL-516 is a 145mm grazing light suitable for steps, corridors and general wayfinding applications.

A minimal design language ensures seamless integration with a wide range of interior and exterior scenarios. The hidden, toolless mounting mechanism provides a flush fit with no visible screws or fasteners.

Multiple surface finishes and CCT options provide maximum design choice and configuration flexibility.



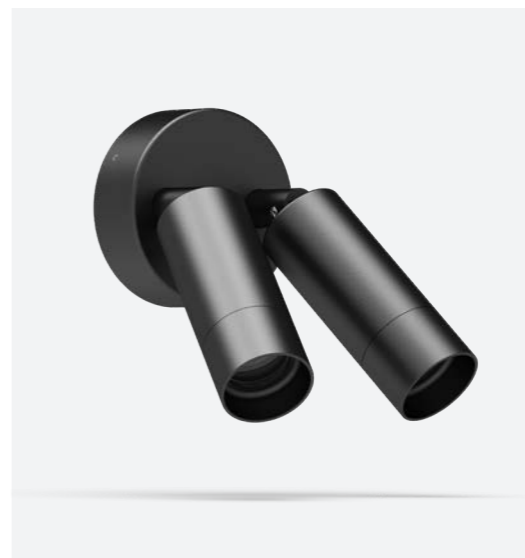
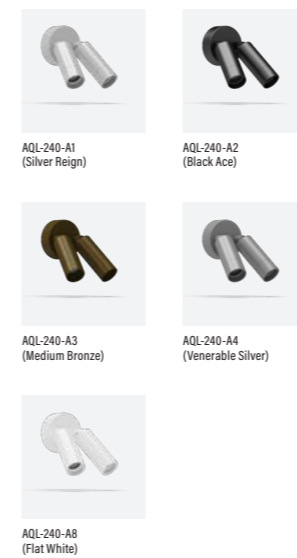
AQL-220

Surface Mount Projector

Single surface mount adjustable projector. Recessed light source for improved glare control. 180° tilt / 360° rotation. DALI dimmable. CRI 90+. < 2 SDCM.

A total redesign for the AQL-220 included a simpler elegant look with better proportions and an upgraded integrated LED chip with better colour rendering. Giving you more light control and balance.

CNC machined Aluminium in our Sydney factory.



AQL-240

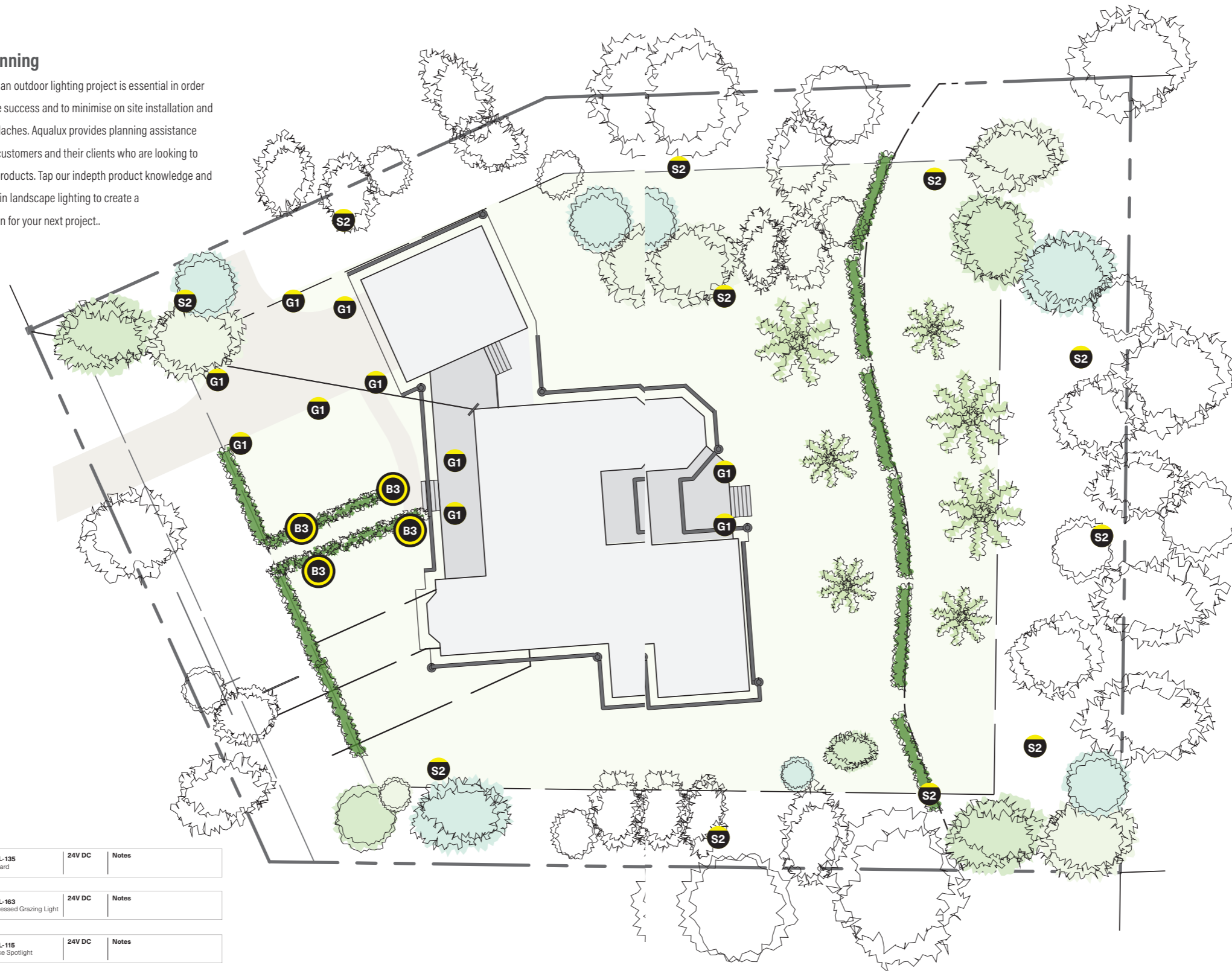
Twin Surface Mount Projector

Twin surface mount adjustable projector. Recessed light source for improved glare control. 180° tilt / 360° rotation. DALI dimmable. CRI 90+. < 2 SDCM.

A new adjustable twin-spot for bi-directional spot lighting from walls and surfaces.

Proper planning

Planning of an outdoor lighting project is essential in order to maximise success and to minimise on site installation and wiring headaches. Aqualux provides planning assistance free to our customers and their clients who are looking to utilise our products. Tap our indepth product knowledge and experience in landscape lighting to create a winning plan for your next project..



		AQL-135 Bollard	24V DC	Notes
		AQL-163 Recessed Grazing Light	24V DC	Notes
		AQL-115 Spike Spotlight	24V DC	Notes

REV	BY	DATE	AMENDMENT DETAILS
AMENDMENTS			
GENERAL NOTES: These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such written instructions as may be issued during the course of the contract. Dimensions shall not be obtained by scaling the drawings. the builder shall check all dimensions at the job and shall refer all discrepancies to the architect before the work proceeds. All workmanship and materials shall be in accordance with the requirements of the current editions, including amendments of the relevant SAA standards and SAA codes of practice except as varied by the contract documents and by the laws and requirements of statutory authorities. Substitutions are to be only with the approval of the architect.			
PROJECT			
PROPRIETOR			
DRAWING TITLE			
NORTH		DRAWN	
		DATE	
		SCALE	
		FILENAME	
JOB NO	DRAWING NO	REVISION	
sales@aqualux.com.au Telephone: +612 9454 7900 Unit 4/12A Rodborough Rd, Frenchs Forest, New South Wales 2086, Australia www.aqualux.com.au			

Quick reference Guide

With so much flexibility, Neon Flex not only bends to your needs, it comes with a mind boggling number of options. To help choose the right Neon Flex for the project, we've put together a simplified guide.









	AQS-400	AQS-401	AQS-402	AQS-410	AQS-420	AQS-421	AQS-500	AQS-505	AQS-510
Modes	Mono	Mono	Mono / RGB	RGB	Mono / RGB / RGBW	Mono / RGBW	Mono / RGB / RGBW / DMX	Mono	Mono / RGB / RGBW / DMX
Price	\$'s	\$'s	\$'s	\$\$'s	\$\$'s	\$\$'s	\$\$\$'s	\$\$\$'s	\$\$\$'s
Control Gear	Constant Voltage PWM / DMX / DALI	Constant Voltage PWM / DMX	Constant Voltage PWM / DMX	Constant Voltage PWM	Constant Voltage PWM / DMX	Constant Voltage PWM / DMX	Constant Voltage PWM / DMX	Constant Voltage PWM	Constant Voltage PWM / DMX
Voltage	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
Watts (per Meter)	5W / 10W - Mono - - -	10W / 5W - Mono - - -	5W - Mono 10W - RGB - -	- 10W RGB - -	10W - Mono 10W - RGBW - -	15W - Mono 15W - RGBW - -	8W / 12W - Mono 12W - RGB 17W - RGBW 18W - DMX	10W - Mono - - -	10W - Mono 13W - RGB 17W - RGBW 18W - DMX
Dimensions	10mm W x 9mm H	10mm W x 10mm H	6mm W x 12mm H	13mm W x 12mm H	12mm W x 20mm H	16mm W x 15mm H	11.5mm W x 21mm H	13.5mm W x 13.5mm H	16.5mm W x 16.5mm H
Max Length (Single Powered Feed)	8m	5m	10m	10m	10m - Mono / RGBW	5m 15m - 5W / 8W Mono 8m - 17W RGB / 18W RGBW	10m - 8W Mono / 12W RGB 8m - RGBW / DMX	10m	10m - Mono / RGB 8m - RGBW / DMX
Max Length (Double Powered Feed)	16m	10m	20m	20m	20m - Mono / RGBW	10m 30m - 5W / 8W Mono 16m - 17W RGB / 18W RGBW	20m - 8W Mono / 12W RGB 16m - RGBW / DMX	20m	20m - Mono / RGB 16m - RGBW / DMX
Cut Interval	31mm	36mm	50mm	55.5mm	50mm - Mono 66mm - RGBW	50mm 167mm - 5W / 8W Mono 100mm - 17W RGBW 100mm - 18W DMX	100mm - 12W Mono / RGB / RGBW 167mm - 8W Mono	83.30mm	83.30mm - Mono / RGB 100mm - RGBW / DMX
Bend Diameter	60mm	80mm	100mm	80mm	120mm	300mm	80mm	80mm	120mm
Bending Direction	Vertically	Vertically	Horizontally	Vertically	Horizontally	Vertically	Horizontally	Vertically	Vertically
IP Rating	IP65	IP65	IP65	IP65	IP65	IP67	IP68	IP68	IP68
Material	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Eco PVC	Eco PVC	Eco PVC
Lead Time	Stocked 5 - 7 Days	Stocked 5 - 7 Days	Stocked 5 - 7 Days	Stocked 5 - 7 Days	Stocked 5 - 7 Days (Mono)	Stocked 5 - 7 Days	Made to Order 4 - 5 Weeks	Made to Order 4 - 5 Weeks	Made to Order 4 - 5 Weeks
Beam Angle	180°	180°	120°	180°	120°	120°	120°	120°	120°
WARRANTY									
2 Year	-	-	-	-	-	-	-	-	-
3 Year	✓	✓	✓	✓	✓	✓	✓	✓	✓
5 Year	-	-	-	-	-	-	Opt	Opt	Opt

Neon Flex Feature Guide



	AQS-400	AQS-401	AQS-402	AQS-410	AQS-420	AQS-421	AQS-500	AQS-505	AQS-510
CCT / Lumens									
Red - Mono	-	-	-	-	-	-	5W-45lm	10W-175lm	10W-109lm
Green - Mono	-	-	-	-	-	-	5W-119lm / 12W-253lm	10W-529lm	10W-338lm
Blue - Mono	-	-	-	-	-	-	5W-20lm / 12W-20lm	10W-73lm	10W-53lm
Amber - Mono	-	-	-	-	-	-	5W-44lm / 8W-100lm	-	10W-100lm
Orange - Mono	-	-	-	-	-	-	5W-35lm	-	10W-1292lm
Lemon Yellow - Mono	-	-	-	-	-	-	12W-430lm	-	-
Pink - Mono	-	-	-	-	-	-	5W-53lm / 12W-92lm	-	10W-178lm
RGB	-	-	RGB	RGB	-	-	12W	-	RGB
RGBW 2700K / DMX 2700K	-	-	-	-	-	-	RGBW / DMX	-	RGBW / DMX
RGBW 3000K	-	-	-	-	RGBW + 3000K	RGBW + 3000K	-	-	-
RGBW 6500K	-	-	-	-	-	-	-	-	-
2200K - Mono	-	-	-	-	-	-	5W-127lm / 12W-280lm	10W-430lm	10W-450lm
2500K - Mono	-	-	-	-	-	-	-	-	-
2700K - Mono	5W-250lm / 10W-500lm	5W-380lm / 10W-738lm	5W-178lm / 10W-353lm	-	10W-271lm	15W-766lm	5W-130lm / 12W-340lm	10W-435lm	10W-459lm
3000K - Mono	5W-275lm / 10W-550lm	5W-402lm / 10W-786lm	5W-154lm / 10W-299lm	-	10W-269lm	15W-748lm	5W-130lm / 12W-340lm	10W-450lm	10W-360lm
3500K - Mono	-	-	-	-	-	-	5W-130lm / 12W-340lm	10W-432lm	10W-450lm
4000K - Mono	10W-580lm	10W-829lm	10W-360lm	-	10W-320lm	15W-915lm	5W-142lm / 12W-360lm	10W-440lm	10W-460lm
4500K - Mono	-	-	-	-	-	-	5W-145lm / 12W-360lm	10W-445lm	10W-484lm
5000K - Mono	10W-600lm	10W-829lm	10W-380lm	-	10W-380lm	10W-380lm	5W-150lm / 12W-370lm	10W-430lm	10W-540lm
5700K - Mono	-	-	-	-	-	-	-	-	-
6000K - Mono	-	-	-	-	-	-	-	-	-
6500K - Mono	-	-	-	-	-	-	5W-160lm / 12W-320lm	10W-442m	10W-521lm
EXTRUSION									
1 Meter	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 Meter	✓	✓	✓	✓	✓	✓	✓	✓	✓

Spike Spot Light Feature Guide

						
	AQL-455	AQL-450	AQL-400	AQL-115	AQL-116	AQL-181
Price	\$'s	\$\$'s	\$\$'s	\$\$\$'s	\$\$\$'s	\$\$\$\$'s
Light Source	Integrated CREE	MR16 (included)	MR16	Integrated CREE	Integrated CREE	Integrated CREE
Lumens	200lms / 400lms / 600lms	250lms	250lms / 550lms	300lms / 550lms	80lms / 150lms	1090lms / 2500lms
Power	3W / 6W / 10W	4W	4W / 6W	4W / 7W	2W	20W RGBW / 25W Mono
Finishes	<ul style="list-style-type: none"> ■ Matt Black - Powder Coat 	<ul style="list-style-type: none"> ■ Matt Black - Powder Coat ■ Brushed Chrome 	<ul style="list-style-type: none"> ■ Aged Brass ■ Brushed Chrome ■ Matt Black - Powder Coat 	<ul style="list-style-type: none"> ■ Silver Reign - Powder Coat ■ Black Ace - Powder Coat ■ Medium Bronze - Powder Coat ■ Venerable Silver - Powder Coat ■ Flat White - Powder Coat 	<ul style="list-style-type: none"> ■ Silver Reign - Powder Coat ■ Black Ace - Powder Coat ■ Medium Bronze - Powder Coat ■ Venerable Silver - Powder Coat ■ Flat White - Powder Coat 	<ul style="list-style-type: none"> ■ Silver Reign - Powder Coat ■ Black Ace - Powder Coat ■ Medium Bronze - Powder Coat ■ Venerable Silver - Powder Coat ■ Flat White - Powder Coat
Material	CNC Aluminium	Cast Brass	Cast Brass	CNC Aluminium	CNC Aluminium	CNC Aluminium
Lead time	Stocked	Stocked	Stocked	Made to order /10-14 Days	Made to order /10-14 Days	Made to order /10-14 Days
Input	1m Double Insulated 0.5mm2	Twin Core	Twin Core	Aqualux M8 / M12 QC connectors	Aqualux M8 / M12 QC connectors	Aqualux M8 / M12 QC connectors
CCT	-					
Red	-	■	■	■	■	-
Green	-	■	■	■	■	-
Blue	-	■	■	■	■	-
Amber	-	■	■	■	-	-
2700K	-	-	-	■	■	-
3000K	■	■ Standard	■	■ Standard	■ Standard	■
4000K	-	-	-	-	-	■
5700K	-	■	■	■	■	-
RGBW	-	-	-	■	-	■
MR16	-	✓	✓	-	-	-
WARRANTY						
2 Year	✓	-	-	-	-	-
5 Year	-	✓	✓	-	-	-
7 Year	-	-	-	✓	✓	✓
OPTICAL						
10°	-	✓	✓	✓	-	✓
15°	-	-	-	-	✓	-
25°	-	-	-	✓	-	-
30°	-	-	-	-	✓	-
35°	-	-	-	-	-	✓
38°	✓	✓ (Included)	✓	-	-	-
40°	-	-	-	✓	-	-
50°	-	-	-	-	✓	-
55°	-	-	-	-	-	✓
60°	-	✓	✓	-	-	-
70°	-	-	-	-	✓	-



AQL-156 Recessed Uplight

Aqualux Design

At the heart of each product is a need. Identified and often in collaboration with our customers, the requirement for a particular type of lighting effect is explored and researched, simulated, and prototyped. The form should follow the function yet the process is often emergent rather than self-evident. It requires a commitment to first principles and always the question to be asked: what is it for, who is it for and how will it be made.

From Dieter Rams to Naoto Fukasawa, a line can be drawn that connects the goal of good design and the sense of harmony that should follow. This sense should encompass not only the aesthetic but also the internal construction and the installation process - good design is not superficial.

Aqualux approaches all of its product design challenges with the same principle in mind - what will achieve the objective in the most elegant way possible. This principle is applied continuously from the design phase through to manufacture and installation, including the impact on the visual environment during its lifetime as a luminaire and the environmental load created during and at the end of the product life cycle.

Engineering a balanced product that exceeds expectations in performance requires a deep understanding of the components that operate within. Our electronics engineering has always been pushing forward, rarely accepting off-the-shelf solutions when a custom-developed approach will suit better.

Advanced test and engineering equipment is necessary for this process to occur and for products to be developed that are safe, compliant, and performant. The Aqualux Lab continues to grow and is the place where our future is engineered.

Aqualux Manufacturing

For more than 30 years, Telectran & Aqualux have been involved in manufacturing both locally in Sydney and internationally. Operating a manufacturing facility requires constant attention to both small details and broad trends and movements. Over the years we have honed our ability to react quickly and nimbly to the market and other forces that shape our world.

When many of the Australian lighting companies moved their manufacturing operations overseas Aqualux adopted a flexible strategy that sought to combine the best of both worlds. We established long-term relationships with overseas suppliers, many of whom remain close friends and partners to this day. At the same time, we retained our local manufacturing facility, predicting a time would come when the wind shifted and Made in Australia would one day be more than just a sticker and people would actively seek our locally made product.

When the global pandemic upended long-standing patterns of global trade and international relations, we began a sustained program of investment in our local manufacturing capabilities, building a state-of-the-art machine shop to fabricate our advanced luminaires from raw materials through to finished product.

As part of this investment, we recently added a fully integrated CNC machine shop, our own powder coating line, surface finishing line, and much more. Additive manufacturing also plays a growing role in the many aspects of product development and production.

During this expansion, we have brought in more team members with many more planned over the next few years as we extend our capabilities and provide a growing platform for our customers to achieve their vision.

Sustainability Plan

Net Zero

Building a sustainable future for ourselves and the planet involves taking care of our environment and attempting to minimise our demand on the ecosystem services that the earth provides (for free).

This includes reducing energy consumption, selecting renewable energy over fossil fuels, eliminating single-use plastics and landfill generation as well as a myriad of other measures that together add up and make a difference.

Energy use

Aqualux has a 40kw solar array on the roof. What we can't generate is imported from 100% renewable sources.

This costs us more than the standard electricity rate, however, we believe it is important to take whatever action we can to help foster a truly renewable and sustainable future, and choosing to buy renewable energy is one of the easiest ways to do this.

Single-use plastics

Several years ago we decided we were going to try and eliminate all plastics in our packaging supply chain and shipment operations. This meant educating both our overseas suppliers as well as investing in paper-based shipping equipment and biodegradable (home compostable) shipping satchels.

We no longer use plastic packing tape, our bubble wrap is 100% plant-derived and one of our last uses of plastic (pallet wrapping) is about to move to an Australian-made bio alternative.

Production processes

With the introduction of our new powder coating line also comes a pre-treatment process that involves several tanks to clean, prepare and protect raw luminaire bodies prior to coating.

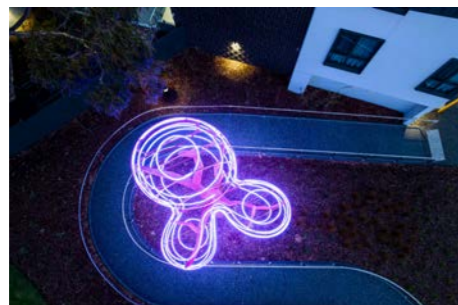
We have invested in a fully closed-loop ion-exchange system that will effectively filter the system wastewater, refreshing the rinse tanks to near-total purity.

Factory lighting

Being an integrated lighting design and manufacturing company, it only makes sense that our production floor lighting would be energy efficient.

However, we went one step further when recently refitting our factory and designed ourselves a custom linear lighting system that features ultra-low glare (UGR < 17) optics and the latest generation of CREE mid-power LEDs.

By ensuring the light is delivered where we need it (at the production workbench level) and stray light and glare minimised, even greater efficiencies are achieved.



Colour transformation

In recent years buildings and cities around the world have started a transformation from lighting designs that were previously monochromatic to full-spectrum, colour saturated enhancement of the built environment.

Without sacrificing the functional requirements for specified lux levels and spectrums, colour-changing lighting projects can be an addition to existing illumination systems or a full replacement that incorporates tunable white or monochromatic sources.

Utilising our urban nightscapes as a canvas for creative expression through artful illumination enables cities and communities to embrace lighting to increase engagement and shared participation in outdoor spaces.

Aqualux is at the forefront developing advanced dynamic LED lighting systems that can be used to enhance the built environment. From custom colour changing fixtures to advanced wireless DMX floodlights and control systems, Aqualux has the experience to enable projects from backyard makeovers to city-wide connected light shows.

Aqualux can provide turn-key dynamic lighting systems including design, wiring documentation and consultation, integration management and support, installation programming, testing and maintenance. We can also assist with advanced wireless DMX products and DALI advice and integration assistance.



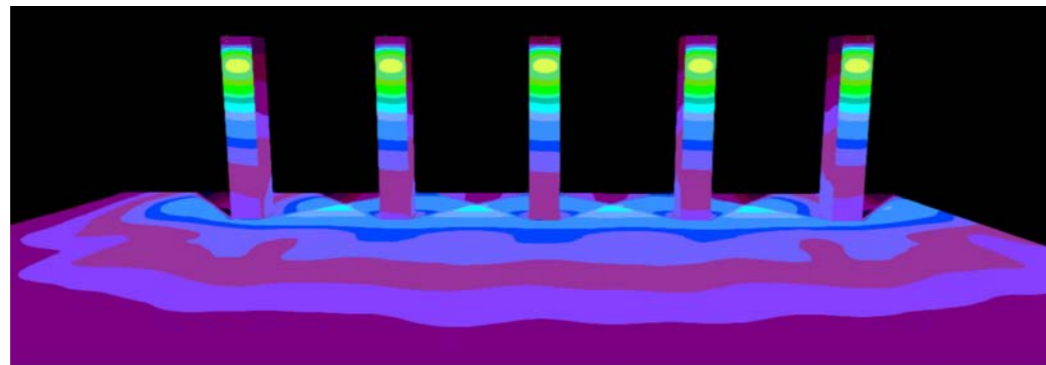
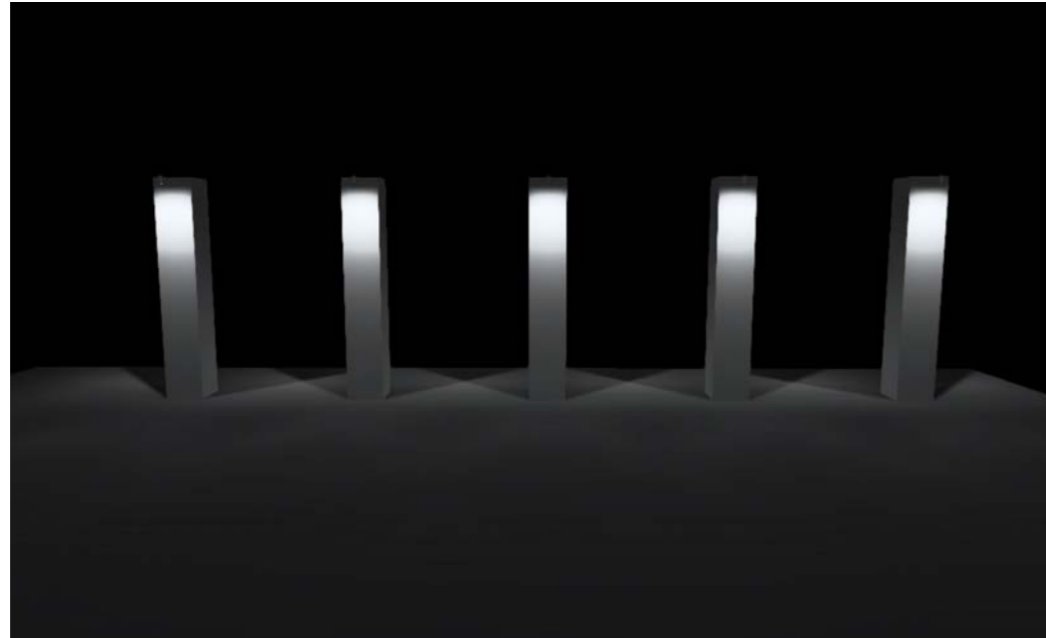
Photometric Planning & Design

Aqualux provides free photometric planning services for projects utilising our lighting products.

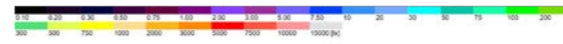
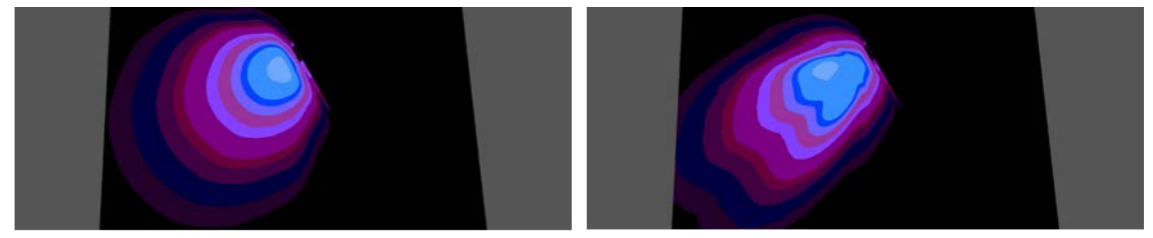
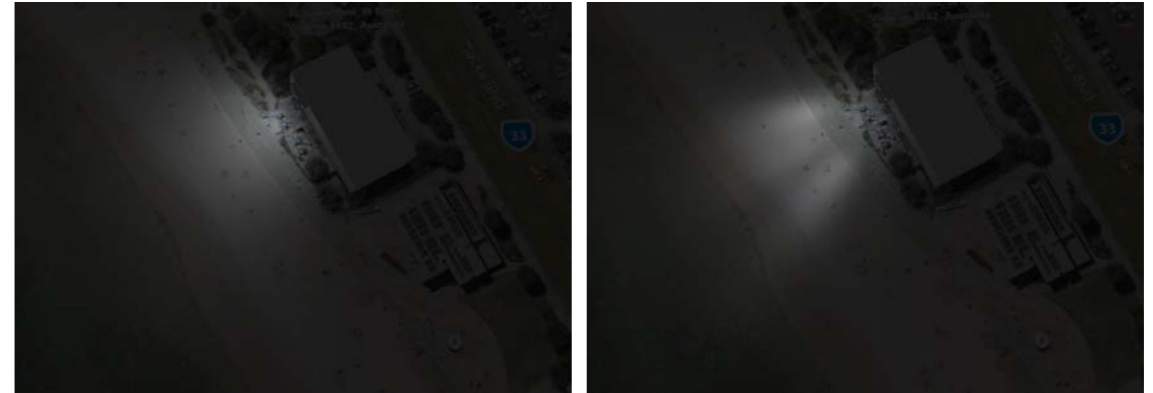
Simulations to evaluate minimum and average horizontal illuminance, uniformity, glare and light spill and pollution are all included.

Designed to meet various Australian standards, including AS1158 for Roadways, Carparks and Pedestrian access and AS2560 for various sporting fields and activities.

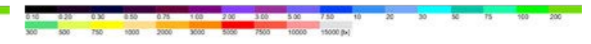
Accurate simulations can be essential in providing collateral support for a project including council approval, customer signoff and stake-holder engagement.



C16307_OLGA-WAS_(XPH35_HD)



AQL-931-100W-30x70



AQL-931-100W-15

At the base of each product page are a series of icons.

The icons are a quick reference guide to learn relevant product info at a glance. Following is the complete set of icons with their definitions and descriptions.



Luminaire Report

The LM-79 test report provides details about the performance of a total luminaire package, including wall-to-lumen efficacy, luminous flux, luminous intensity distribution and CCT / CRI details.



Lumen Maintenance 80

The LM-80 standard is the IESNA approved method for determining lumen maintenance of LED light sources, e.g. how quickly the light output of an LED source degrades over time. It deals with actual measurements only.



Ingress Protection 20

Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes.



Ingress Protection 66

Water projected in powerful jets (12.5 mm (0.49 in)) against the enclosure from any direction shall have no harmful effects.



Ingress Protection 65

Water projected by a nozzle (6.3 mm (0.25 in)) against enclosure from any direction shall have no harmful effects.



Ingress Protection 67

Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 meter (3 ft 3 in) of submersion).



Ingress Protection 68

The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. It can mean that water can enter but only in such a manner that it produces no harmful effects.



3 Year Warranty

In addition to the statutory warranty of 1 Year. This is on the condition that Aqualux lighting products are fit-for-purpose and installed professionally or by similarly qualified persons and that all guidelines and requirements are followed.



10 Year Warranty

In addition to the statutory warranty of 1 Year. This is on the condition that Aqualux lighting products are fit-for-purpose and installed professionally or by similarly qualified persons and that all guidelines and requirements are followed.



5 Step MacAdam

The colour point binning specifies the range of colours within which all LEDs are first supplied.



Solvent Resistant

Offers resistance to common domestic solvents and cleaning agents. Not including industrial strength cleaners, acids or alkalines.



Vertical Bending Direction

Only bends in the vertical bending direction. Twisting or bending horizontally will damage to Neon Flex. Each Neon Flex Product has a safe minimum bend radius.



Warning

A statement or piece of information that tells people that there might be a danger or a problem in the future.



Direct Current 24 Volts

Requires 24V DC constant voltage for correct operation.



2 Year Warranty

In addition to the statutory warranty of 1 Year. This is on the condition that Aqualux lighting products are fit-for-purpose and installed professionally or by similarly qualified persons and that all guidelines and requirements are followed.



5 Year Warranty

In addition to the statutory warranty of 1 Year. This is on the condition that Aqualux lighting products are fit-for-purpose and installed professionally or by similarly qualified persons and that all guidelines and requirements are followed.



3 Step MacAdam

The colour point binning specifies the range of colours within which all LEDs are first supplied. 3 Step MacAdam, it is not possible to detected colour nuances between individual luminaires.



Salt Water Resistant

Offers resistance to corrosion and degradation in salt water environments.



Ultra Violet Protection

Offers protection from degradation and fading due to UV exposure in sunlight.



Horizontal Bending Direction

Only bends in the horizontal bending direction. Twisting or bending vertically will damage to Neon Flex. Each Neon Flex Product has a safe minimum bend radius.

Pre-treatment and powder coating

Surface preparation and powder coating is a critical component of the lighting manufacturing process - it ensures protection from the elements and a long lasting coating is key. Aqualux has adopted industry best-practice in this regard with a full pre-treatment line and state-of-the-art powder coating equipment and curing ovens.

There are 5 key steps to our surface preparation process, taken together this forms the Aqualux SHIELD5 finish and ensures long lasting performance in Australian conditions.

1. DE- GREASE

A strong alkaline solution heated to 50C is used to thoroughly clean and degrease metal parts after they have come from the machine shop. This step is the first way to ensure the base material is free of oils, machine coolant and residual finishing compound from our vibratory finishing systems.

2. WATER RINSE

Between each step a water rinse is necessary to clean the work from any chemical residue. These water baths are pure, deionised water and are continually filtered through our closed-loop ion-exchange system.

3. ACID ETCH (Aluminium only)

Etching the aluminium activates the raw metal and prepares it for the next and final step. After the etching stage, the metal is highly reactive and cannot be left in the atmosphere for long without the oxidation process starting. If for any reason this happens, the parts must be washed and etched again.

4. CONVERSION COATING

A chrome based compound effectively converts the surface layer of activated aluminium by reacting with the metal at a molecular level, forming a very thin but impermeable layer that keeps moisture out. The surface of the parts, once converted, is highly stable but susceptible to mechanical damage and so must continue to the final stages without delay.

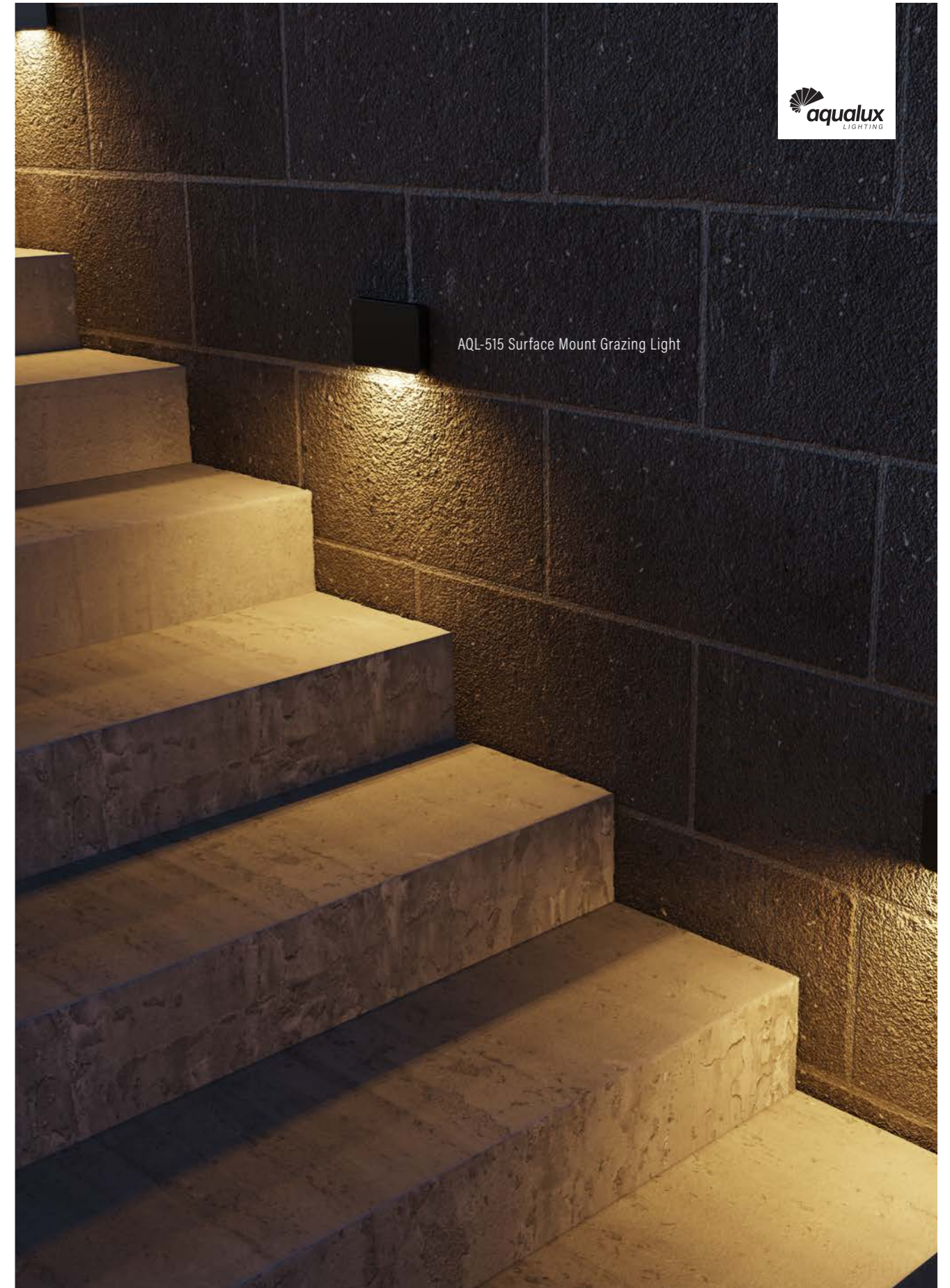
5A. PRIMER

If parts are to be used in coastal or other challenging environments, we perform a primer stage which adds an additional layer of protection. Dulux E-Prime is an epoxy-modified thermosetting powder primer that provides protection against moisture ingress into the underlying metal substrate whilst also providing a good foundation for the final decorative coating.

5B. POWDER COAT

After pretreatment the parts are coated with a top layer of Ultra Durable Polyester powder which forms the final decorative layer and imparts colour and surface texture. The top layers are durable on their own, especially with the underlying surface conversion coating.

By adopting a best practice process, Aqualux is committed to offering our customers the most advanced surface coating solutions in use and ensuring components and assemblies are given the best possible chance at a long service life in the harshest conditions Australia can offer.



AQL-515 Surface Mount Grazing Light

Dulux Powder Range

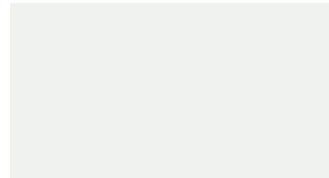
Aqualux offers a collection of standard Dulux Powder Coatings from the extensive Dulux Powder range, all of which are available on request. To see the complete Dulux Powder Coating range visit www.duluxpowders.com.au/colour.

E-Primer

E-Prime is an epoxy-modified thermosetting powder primer that provides additional protection in coastal and other challenging

environments. If you are concerned about durability of outdoor light fittings, please enquire about the primer process.

Aqualux Standard Powder range



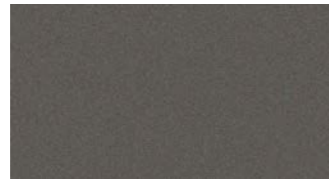
A8 - Flat White - 9061200F



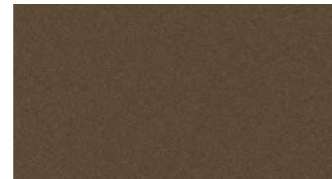
A2 - Black Ace - 9069116F



A1 - Silver Reign - 9067614K

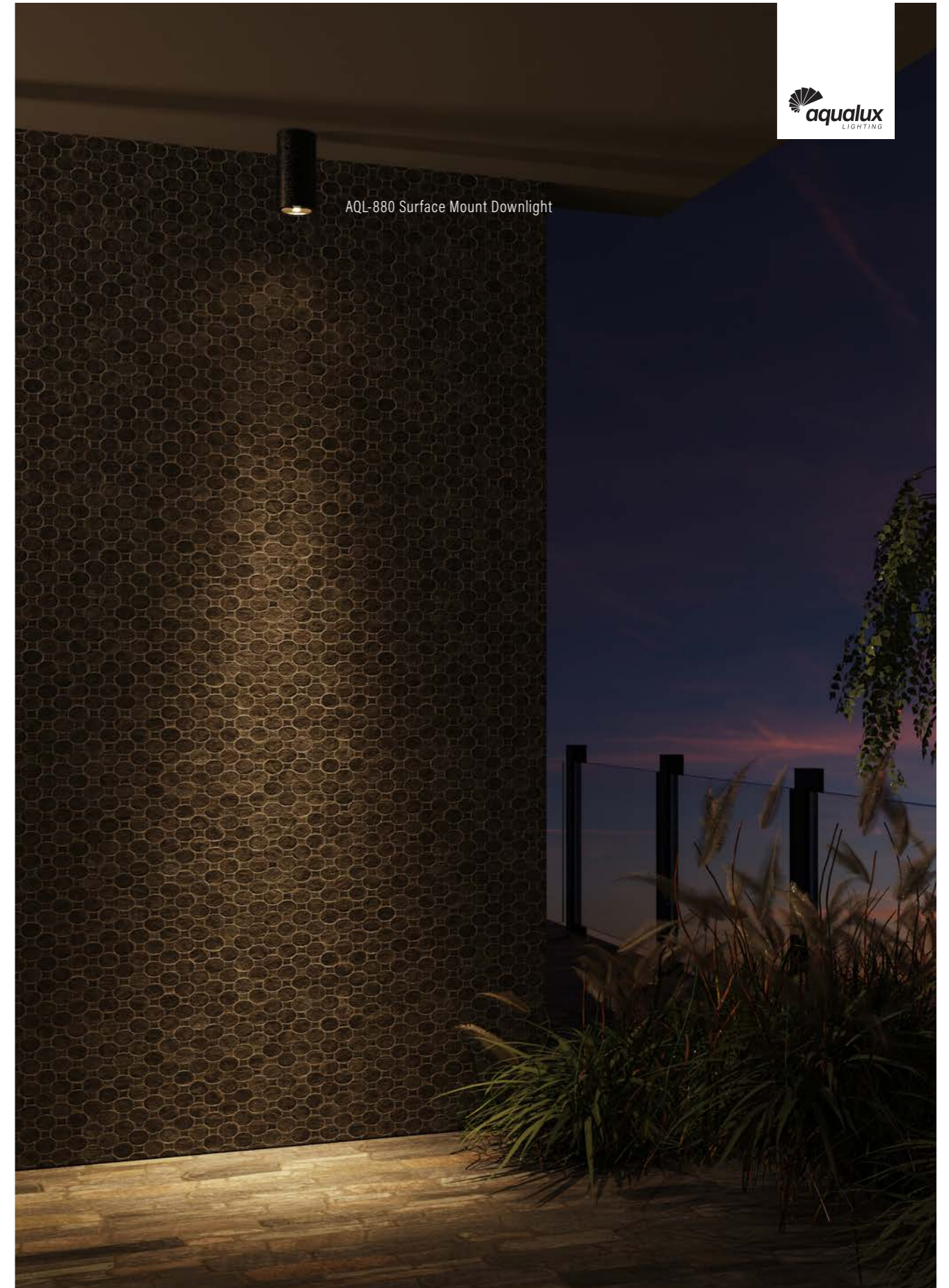


A4 - Venerable Silver - 9067621K



A3 - Medium Bronze - 9068183K

The colours displayed should be used as a guide for your colour selection. Always confirm your colour choice with a production line-prepared swatch for final colour approval.



AQL-880 Surface Mount Downlight

Aqualux Solar PV Generation

The Aqualux factory has a 40kW PV array installed on the roof, powering our local manufacturing and assembly operations.

View the last 7 days performance on our website.



Energy Use

At the Aqualux factory and offices, 100% of our electricity comes from renewable sources. This costs us more than the standard electricity rate, however, we believe it is important to take whatever action we can to help foster a truly renewable and sustainable future, and choosing to buy renewable energy is one of the easiest ways to do this.

3D Printing the Future

3D printing has been a buzz word for many years. Whilst the sci-fi promise of printing complete working products in minutes remains in the distant future, the fact is 3D printing or additive manufacturing is already making a huge difference to the development of products in almost every industry.

Prototyping

3D printing offers a huge advantage in the early phases of product development, with designers able to quickly test and check ideas and iterate rapidly through the design process to converge on an optimised solution. We utilise SLS, SLA and FDM technologies in our development process and the results are rapid development cycles that allow us to bring products to market sooner.



Optimising packing density

By optimising packing density and powder recyclability, we are able to arrange many parts in a print to maximise the chamber density, reduce print time and limit excess waste.



Production

For small scale production of internal components, brackets, sleeves and holders we utilised an SLS printer from Formlabs called the Fuse 1. Operating with a Nylon 12 material, it is able to produce free-form shapes without supports, greatly reducing the post processing time and improving finished part quality.



Products and parts

The ultra-low glare deep baffle for the AQL-154, canisters and more were entirely designed in-house and are manufactured using our Fuse 1 SLS printer in a durable Nylon 12 material.



Nylon 12

The mechanical properties of the Nylon 12 material have been developed for advanced additive manufacturing projects and can substitute injection moulding plastics. Thanks to its low concentration of amides it has a low moisture absorption rate which provides good resistance to chemicals. Nylon 12 also has good UV resistance, making it suitable to create parts that are exposed to any weather condition in Australia.



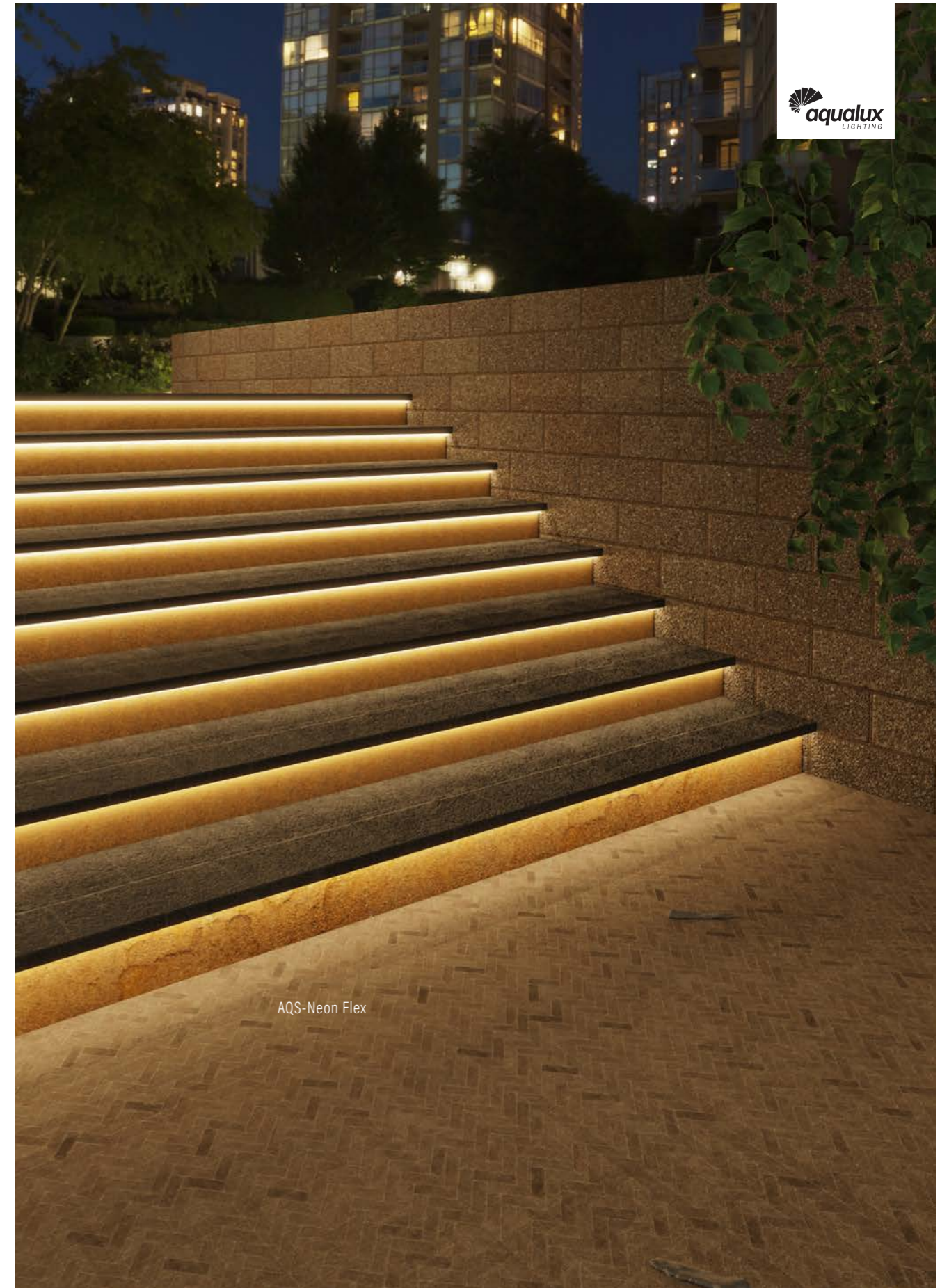
Canisters

Our 3D-printed concrete canisters are made to suit each of our recessed luminaires. This ensures a perfect fit without concrete spillage during the pour and allows for extra security in the way the fitting is retained within the canister.



Parts

Easy and rapid customisation for parts in our luminaires give us the opportunity to produce exactly what we need, when we need it, with the knowledge that they will be durable and reliable.



B	Input Voltage	Dimming	Conductors	Polarity
B	24V DC	PWM (Signal) Dimming, 3-Wire	3 (2 Power / 1 Signal PWM)	Yes
C	Constant Current	Control Gear Dependant (DALI/DMX/1-10/PWM)	2 (Power)	Yes
D	24V AC	TRIAC / Phase Cut Dimming	2 (Power)	No
E	24V DC	PWM (Power) Dimming	2/4/5 (Power PWM)	Yes
F	240V AC	Control Gear Dependant	3 (2 Power / 1 Earth)	No
G	GU10	Lamp Dependant	2 (2 Power)	No
H	240V AC	DALI Integrated	5 (2 Power/ 1 Earth / 2 Dali)	No
I				
J	12V DC	PWM (Signal) Dimming	2 (Power)	No
K	24V DC	Non Dimming	2 (Power)	Yes
L	24V DC	DALI Dimming, Integral	4 (2 Power / 2 DALI)	Yes
M	MR16	Lamp Dependant	2 (Power)	No
W	24VDC	Wireless DMX	2 (Power)	No
X	12-24V AC / 24V DC	PWM Dimming, 3-Wire PWM DRV	3 (2 Power / 1 Signal PWM)	No
Y	12-24V AC / 24V DC	Non Dimming	2 (Power)	No
Z	24V DC	4CH PWM Dimming, Common Anode	6 (2 Power / 4 Signal PWM)	Yes

DD	CCT / While / Colour / Multi
22	2200K
25	2500K
27	2700K
30	3000K
35	3500K
40	4000K
45	4500K
50	5000K
57	5700K
60	6000K
65	6500K
RD	Red
GN	Green
BU	Blue
PK	Pink
AM	Amber
OR	Orange
LY	Lemon Yellow
Z0	Custom
Z1	RGB
Z2	RGBW (3000K)
Z3	RGBW (2700K)
Z4	RGBW (6500K)
Z5	DMX RGB
Z6	DMX RGBW (2700K)
Z7	RGBA (Amber)

AQL-XXX-AA-BCCCDDEEF

AA	Material	Finish
A0	Aluminium	Custom
A1	Aluminium	Satin Chrome
A2	Aluminium	Black
A3	Aluminium	Aged Brass
A4	Aluminium	Gunmetal Grey
A8	Aluminium	White
B0	Brass	Custom
B1	Brass	Brushed Chrome
B2	Brass	Black
B3	Brass	Aged Brass
B4	Brass	Gunmetal Grey
B5	Brass	Copper
B6	Brass	Natural Brass
B7	Brass	Bronze
B8	Brass	White
C0	Copper	Custom
C1	Copper	Natural Copper
C2	Copper	Black
S0	Stainless 316/304	Custom
S1	Stainless 316	Natural
S2	Stainless 304	Natural
S3	Stainless 316	Black

CCC	Watts
001	1W
002	2W
003	3W
004	4W
006	6W
007	7W
008	8W
009	9W
010	10W
021	21W
050	50W
100	100W
200	200W
300	300W
400	400W
500	500W
600	600W
800	800W
1000	1000W

F	Cable / Termination Style
S	Standard (Varies by Product)
Q	AqualuxPLUS QuickConnect
T	Terminal Block

EE	Beam ° FWHM / Distribution
10	10° FWHM
15	15° FWHM
20	20° FWHM
25	25° FWHM
30	30° FWHM
35	35° FWHM
36	36° FWHM
38	38° FWHM
40	40° FWHM
50	50° FWHM
60	60° FWHM
70	70° FWHM
DF	Diffuse Frosted
DC	Diffuse Clear
A1	Asymmetric / Cutoff
A2	Asymmetric / Billie Lens
A3	Wall Wash / Rita
A4	Asymmetric / Emily Lens
O1	Oval 25x50°

The new Aqualux 'AQL' product code is created by choosing options directly related to your fitting.

Codes are automatically generated using our 'Configure order code' filter system and includes a downloadable datasheet, which can be found at www.aqualux.com.au

New product accessories codes

There are two new types of accessories, 'SP' and 'SM'.

AQL-XXX/SP = Spike

AQL-XXX/SM = Surface Mount

Note: Not all fittings come with every variant displayed here, please check the Aqualux website for product variations



Architectural House

MELBOURNE

The technology-driven design has made this Architectural house a living icon on the Melbourne foreshore. The unique construction of the house lends itself to engaging lighting colours and effects, attracting attention using light, shadow and colour for optimal influence and response. Another stunning design by Chris Clout.

Designer
Chris Clout

Lighting Consultant
Adrian Pizzey

Lighting Supplier
Lights & Tracks, Victoria

System Design and Integration
Aqualux Lighting

Automation contractor
Zelo Group

Photography
Clinton Black (Aqualux Lighting)



HER Restaurant & Bar

LONSDALE ST - MELB

On the corner of a classic Melbourne laneway, HER features a music room dedicated to the love of sound (and light). The atmosphere is designed to enhance the flawless acoustics, having a dedicated pixel-grid lighting system to further intensify and stimulate the senses.

Designer
Dion Hall

Lighting Designer
L'Observatoire International

Lighting Consultant
Adrian Pizzey

Lighting Supplier
Lights & Tracks, Victoria

System Design and Integration
Aqualux Lighting

Automation Contractor
Zelo Group

Builder
Leeda Projects

Photography
Clinton Black (Aqualux Lighting)



The TREE

LONSDALE ST - MELB

Award-winning artist Matt Hill has created a surreal full-scale 3D TREE sculpture, created from metal and illuminated with Aqualux RGBW Neon Flex. The TREE is just one of his many talented works. With a multitude of lighting scenes, the TREE changes moods and seasons displaying its vibrant colour range.

Lighting Design
Matt Hill

Supplier
Lighting Options, Mornington, VIC

System Design and Integration
Aqualux Lighting

Photography
Clinton Black (Aqualux Lighting)



Liardet Street Lighting

LIARDET ST - MELB

Commissioned to turn a small thoroughfare and park area into a festive wonderland working with nothing but light. Using a unique RGB string light and catenary support system we were able to add programmable colour to enliven a public area and entertain the passers-by.

Lighting Design
Aqualux Lighting

Supplier
Aqualux Lighting

System Design and Integration
Aqualux Lighting

Photography
Clinton Black (Aqualux Lighting)



Fitzroy Street Lighting

FITZROY ST - MELB

Tree-lined Fitzroy Street was begging for nighttime colour to reflect the atmosphere of this popular night spot. Wireless DMX lights were used to set the scene creating bursts of diverse colours on the trees. The Wireless DMX system meant full colour control over 300M+ of roadway with no signal cable needing to be installed.

Lighting Design
Aqualux Lighting

Supplier
Aqualux Lighting

System Design and Integration
Aqualux Lighting

Photography
Clinton Black (Aqualux Lighting)



LumenaPro

LumenaPro

Designed and manufactured in our Sydney factory, the LumenaPro range is constructed from solid CNC Aluminium and features our Shield5 pre-treatment process for enhanced long-term outdoor performance.

LumenaPro is the premium range in our collection, with a large selection of models and options. Used by Architects and Lighting Designers for commercial projects and Landscape Designers for larger-scale residential applications.



AQL-156



AQL-157



AQL-158



AQL-181



AQL-180



AQL-840



AQL-860



AQL-880



AQL-980

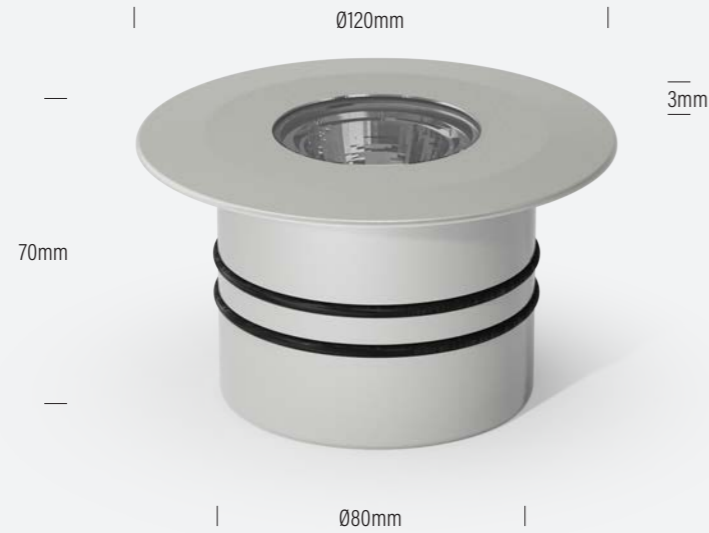


AQL-985

AQL-156

Recessed Uplight

The AQL-156 is designed for mid-size vertical illumination of walls, facades and features where 1000+ lms is required. Available with high efficiency reflector optics, asymmetric wall washing or low glare TIR options. Full Dulux powder coat range is available as well as a hybrid epoxy primer for coastal applications.



Product Code AQL-156 **Product Family** LumenaPro **Function** Recessed Uplight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	24V DC Dimming: 3-Wire PWM 10V	<ul style="list-style-type: none"> 15W / 1500lm / 3000K 15W / 1500lm / 2700K 15W / 1500lm / 4000K 	<ul style="list-style-type: none"> Wide (40°) Reflector Extra Wide (60°) Reflector Narrow (20°) Reflector Medium (30°) Reflector 	AqualuxPLUS QuickConnect



AQL-157

High Powered Wall Washer

The AQL-157 is designed for larger scale asymmetric illumination of walls, facades and features from an inground luminaire.



Product Code AQL-157 **Product Family** LumenaPro **Function** High Powered Wall Washer **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	24V DC Dimming: 3-Wire PWM 10V	<ul style="list-style-type: none"> 30W / 3000lm / 3000K 30W / 3000lm / 2700K 	Wall Wash A3	AqualuxPLUS QuickConnect



AQL-158

Recessed Uplight

The AQL-158 is a high-powered recessed uplight for illuminating walls, features and columns.



Product Code AQL-158 **Product Family** LumenaPro **Function** Recessed Uplight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC Dimming: 3-Wire PWM 10V	30W / 1665lm / RGB+3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	21W / 480lm / Blue 470nm	Medium (25°)	
Black Ace		21W / 840lm / Red 630nm	Wide (35°)	
White		21W / 1260lm / Green 530nm		
Venerable Silver		21W / 960lm / Amber 585nm		
		30W / 1800lm / 3000K		
		30W / 1800lm / 2700K		
		30W / 1800lm / 4000K		
		30W / 1800lm / 5700K		



AQL-180

Spotlight

The AQL-180 is a high-output projector designed for architectural and commercial lighting applications. Available in White or RGBW options with advanced colour mixing optics, the AQL-180 is perfect for the dynamic RGB illumination of a variety of external facades and features.



Product Code AQL-180 **Product Family** LumenaPro **Function** Spotlight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming / 24V DC 4CH Low-Side PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC RGBW Dimming: 4CH Low-Side PWM	25W / 2500lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC	25W / 2500lm / 4000K	Wide (35°)	
Black Ace	Dimming: 3-wire PWM 10V Dimming	20W / 1090lm / RGB+6500K	Wide (55°)	
White				
Venerable Silver				



AQL-180 / SP

Spike Spotlight

The AQL-180, now with a spike is a high-output projector designed for architectural and commercial lighting applications. Available in White or RGBW options with advanced colour mixing optics, the AQL-180 is perfect for the dynamic RGB illumination of a variety of external facades and features.



Product Code AQL-180 / SP **Product Family** LumenaPro **Function** Spike Spotlight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming / 24V DC 4CH Low-Side PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC RGBW Dimming: 4CH Low-Side PWM	25W / 2500lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC	25W / 2500lm / 4000K	Wide (35°)	
Black Ace	Dimming: 3-wire PWM 10V Dimming	20W / 1090lm / RGB+6500K	Wide (55°)	
White				
Venerable Silver				



AQL-840

Pendant Light

The AQL-840 is a redesigned AQL-108 with features and functions similar to the AQL-220. New Cantenary and Surface Mount options available early 2023.



Product Code AQL-840 **Product Family** LumenaPro **Function** Pendant Light **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming / 24V DC 4CH Low-Side PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12-24V AC / 24V DC Dimming: 3-Wire 10V PWM	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW	7W / 550lm / 3000K	Medium (25°)	
Black Ace	Dimming: 4CH Low-Side PWM	4W / 320lm / 5700K	Wide (40°)	
White		7W / 600lm / 5700K	Diffuse (Frosted)	
Venerable Silver		10W / 555lm / RGB+3000K		
		7W / 160lm / Blue 470nm		
		7W / 280lm / Red 630nm		
		7W / 420lm / Green 530nm		
		7W / 320lm / Amber 585nm		
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-860

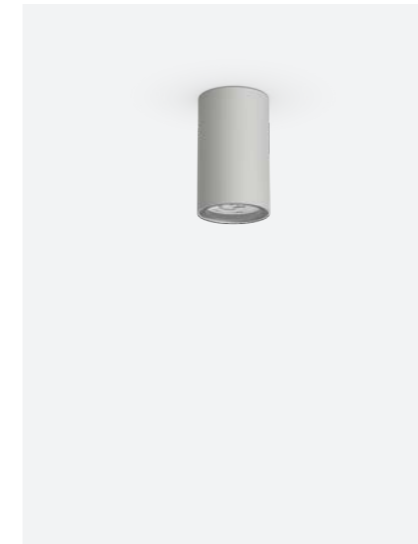
Surface Mount Downlight

A compact surface mount IP-rated downlight. The AQL-860 features integrated 24VDC SELV control gear, high efficiency reflector or low glare optics and a variety of CCT, body finish and mounting options. DALI dimming capable.



Product Code AQL-860 **Product Family** LumenaPro **Function** Surface Mount Downlight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> ■ Medium Bronze ■ Silver Reign ■ Black Ace □ White ■ Venerable Silver 	24V DC Dimming: 3-wire PWM 10V Dimming	<ul style="list-style-type: none"> ■ 10W / 1250lm / 3000K ■ 10W / 1250lm / 2700K ■ 10W / 1250lm / 4000K 	<ul style="list-style-type: none"> ■ Narrow (15°) Low Glare - U2 ■ Medium (25°) Low Glare - U3 ■ Narrow (45°) Low Glare - U5 ■ Wide (55°) Low Glare - U6 ■ Narrow (20°) Reflector - 20 ■ Medium (30°) Reflector - 30 ■ Wide (40°) Reflector - 40 ■ Extra Wide (60°) Reflector - 60 	AqualuxPLUS QuickConnect



Standard Fitting



Standard Fitting with snoot



Standard Fitting with perforated snoot



Standard Fitting with Catenery



Standard Fitting with Catenery and snoot



Standard Fitting with Catenery and perforated snoot



Standard Fitting, pendant



Standard Fitting, pendant with snoot



Standard Fitting pendant with perforated snoot

AQL-880

Surface Mount Downlight

The AQL-880 is an advanced, highly configurable surface mount down light for use in architectural and commercial applications. Featuring integrated DALI, 24V SELV or Remote control gear options along with choices of Ultra Low Glare or High Efficiency reflector optics, the AQL-880 is also available in any Dulux powder coat finish for the ultimate in project specification flexibility. RGBW and speciality sources such as 98CRI and 2200K are also available.

The AQL-880 is 100% designed and manufactured in Sydney, Australia.



Product Code AQL-880 **Product Family** LumenaPro **Function** Surface Mount Downlight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 240V DALI Dimming **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	<ul style="list-style-type: none"> 240V DALI Dimming Dimming: DALI Integral 	<ul style="list-style-type: none"> 20W / 2500lm / 3000K 20W / 2500lm / 2700K 20W / 2500lm / 4000K 	<ul style="list-style-type: none"> Narrow (15°) Low Glare - U2 Medium (35°) Low Glare - U4 Narrow (45°) Low Glare - U5 Narrow (15°) Reflector - 15 Medium (25°) Reflector - 25 Wide (40°) Reflector - 40 Extra Wide (60°) Reflector - 60 	<ul style="list-style-type: none"> Terminal Block



AQL-980

Slimline Architectural Floodlight

The AQL-980 is a low-profile, high-powered floodlight for residential and commercial lighting applications. Machined from solid aerospace grade aluminium, the performance / size ratio puts the AQL-980 at the top of the class. Featuring multiple configurable options and available in a wide range of body colours, the AQL-980 is the perfect choice for advanced lighting design.



Product Code AQL-980 **Product Family** LumenaPro **Function** Slimline Architectural Floodlight **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM 10V Dimming / 24V DC RGBW 4CH low-Side PWM Dimming **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	<ul style="list-style-type: none"> 24V DC RGBW Dimming: 4CH Low-Side PWM 24V DC Dimming: 3-wire PWM 10V Dimming 	<ul style="list-style-type: none"> 50W / 2775lm / RGB+3000K 50W / 4000lm / 3000K 50W / 5350lm / 5700K 	<ul style="list-style-type: none"> Narrow (10°) Medium (25°) Wide (35°) 	<ul style="list-style-type: none"> AqualuxPLUS QuickConnect

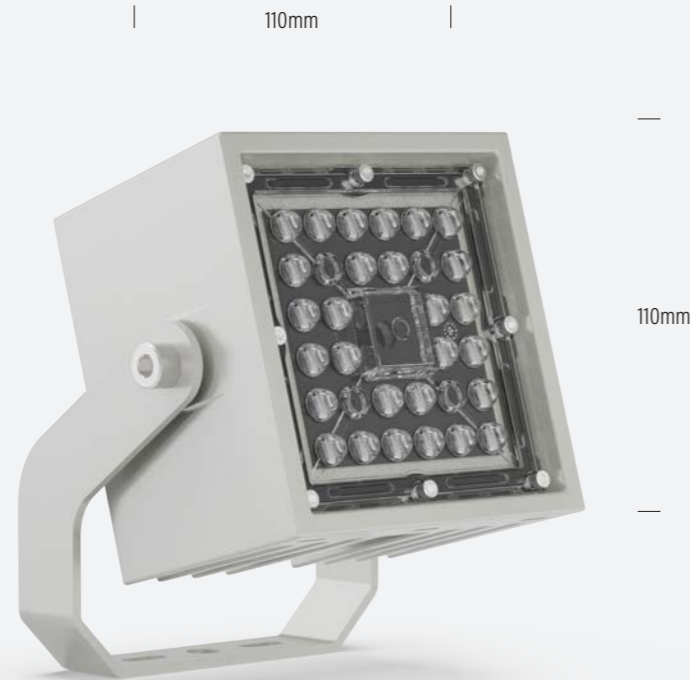


AQL-985

Compact Projector



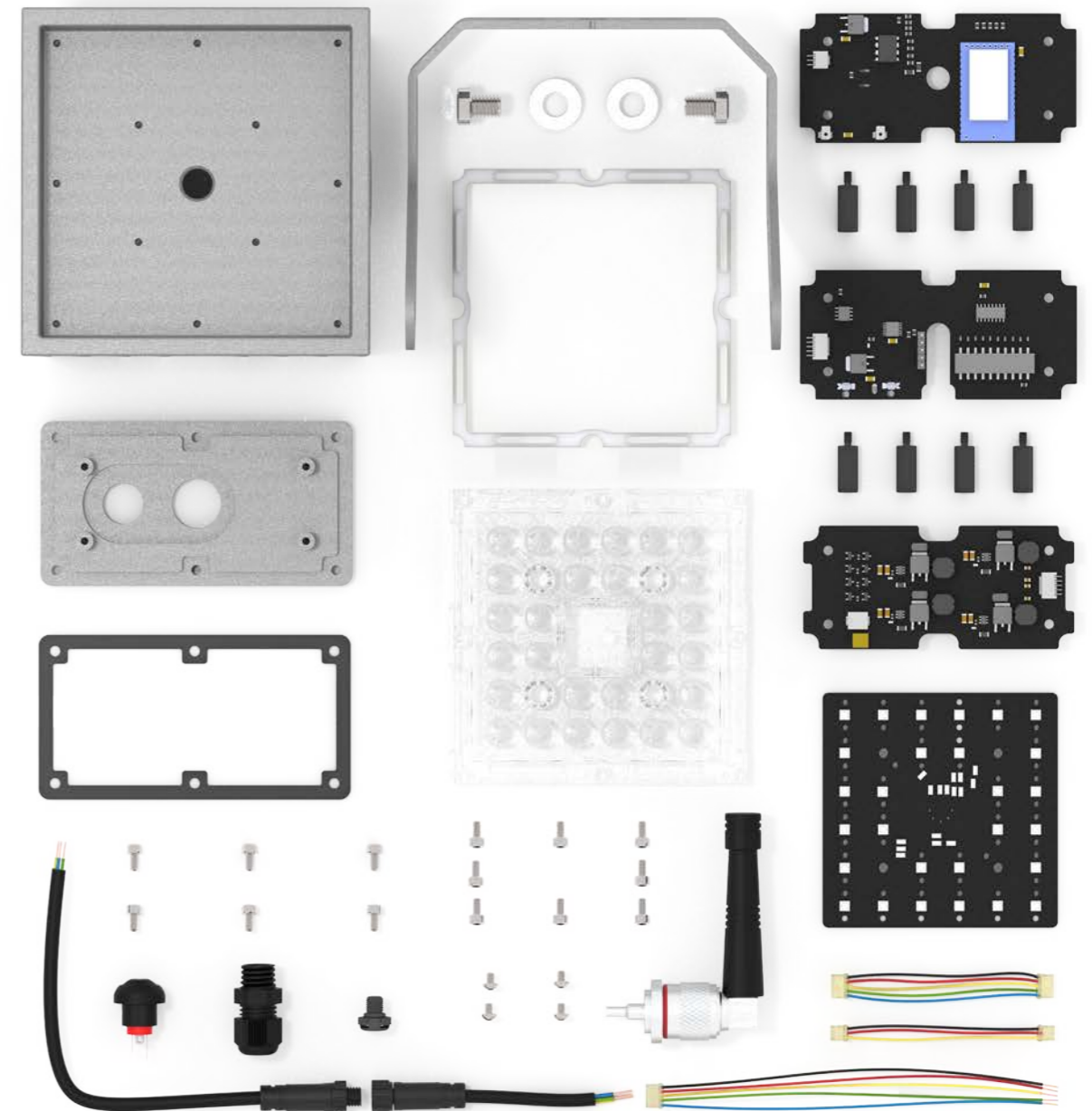
A compact, full-featured projector that is highly configurable. Assembled to order in Sydney, the AQL-985 is built around a durable cast-alloy frame and incorporates custom-designed electronics, Gore ePTFE ventilation and Dulux powder coat finishes. Wireless DMX option available.



Product Code AQL-985 **Product Family** LumenaPro **Function** Compact Projector **Construction** Cast Aluminium / Powder Coat
Electrical 24V DC RGBW Dimming: 4CH Low-Side PWM 24V DC / Dimming: 3-wire PWM 10V Dimming / Wireless DMX Dimming: DMX512
IP Rating IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC RGBW Dimming: 4CH Low-Side PWM	35W / 5000lm - 2700K	Medium (25°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC Dimming: 3-wire PWM 10V Dimming	35W / 5100lm - 3000K	Wide (55°)	
Black Ace	Wireless DMX Dimming: DMX512	35W / 5200lm - 4000K	Flood (80°)	
White		35W / 5200lm - 5700K		
Venerable Silver		50W / 2000lm - RGB+3000K		

No assembly required.



THE NEW AQL-985 WIRELESS DMX FLOODLIGHT

The AQL-985 is a sub-compact industrial area light for demanding environments where maximum lumen output is required. Featuring a range of advanced technologies including the latest generation of ultra-high efficacy LEDs and a multi-channel 4x4 LED Driver configuration, providing extreme redundancy for critical environments where failure is not an option.



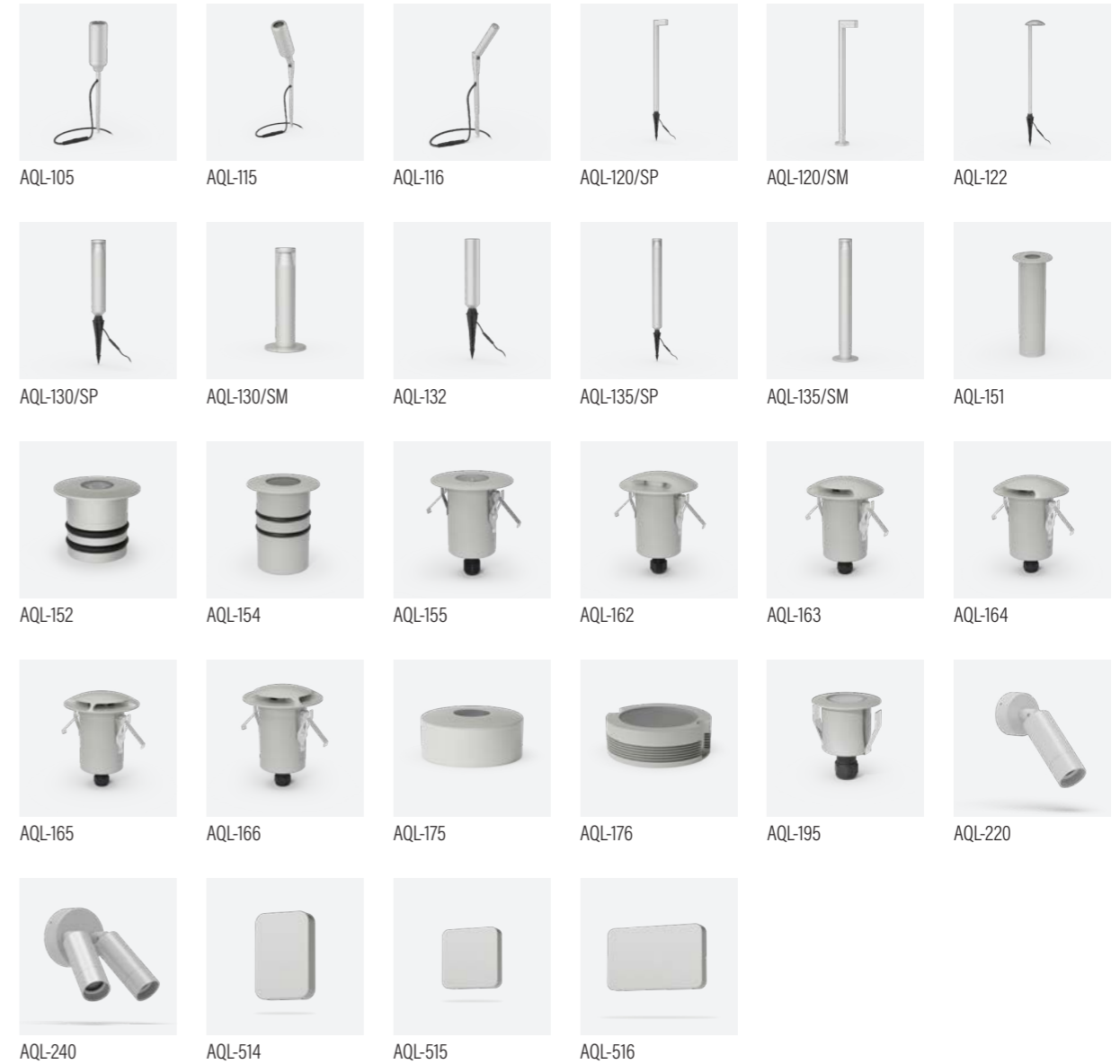


Lumena

Lumena

Designed and manufactured in our Sydney factory, the Lumena range is constructed from solid CNC aluminium using the Aqualux Shield5 pre-treatment process and powder coated with Dulux Powder Coats specifically made for Australian conditions.

Lumena is the largest range in our collection, with a selection of variations and options including CNC-machined solid brass and aluminium. Used by architects and lighting designers for smaller commercial projects and Landscape Designers for all types of residential applications.



AQL-105

AQL-115

AQL-116

AQL-120/SP

AQL-120/SM

AQL-122

AQL-130/SP

AQL-130/SM

AQL-132

AQL-135/SP

AQL-135/SM

AQL-151

AQL-152

AQL-154

AQL-155

AQL-162

AQL-163

AQL-164

AQL-165

AQL-166

AQL-175

AQL-176

AQL-195

AQL-220

AQL-240

AQL-514

AQL-515

AQL-516

AQL-105

Spike Uplight

A fixed uplight for planter boxes, small hedge-rows and other garden features that are suitable for vertical illumination.



Product Code AQL-105 **Product Family** Lumena **Function** Spike Uplight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: 3-Wire 10V PWM (DALI) / 24V DC RGBW Dimming: 4CH Low-Side PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12-24V AC / 24V DC Dimming: 3-Wire 10V PWM (DALI)	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign		7W / 550lm / 3000K	Medium (25°)	
Black Ace	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 320lm / 5700K	Wide (40°)	
White		7W / 600lm / 5700K		
Venerable Silver		10W / 555lm / RGB+3000K		
		7W / 160lm / Blue 470nm		
		7W / 280lm / Red 630nm		
		7W / 420lm / Green 530nm		
		7W / 320lm / Amber 585nm		
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-115

Adjustable Uplight

A directional uplight for planter boxes, small hedge-rows and other garden features that are suitable for vertical illumination.



Product Code AQL-115 **Product Family** Lumena **Function** Adjustable Uplight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: 3-Wire 10V PWM (DALI) / 24V DC RGBW Dimming: 4CH Low-Side PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12-24V AC / 24V DC Dimming: 3-Wire 10V PWM (DALI)	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign		7W / 550lm / 3000K	Medium (25°)	
Black Ace	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 320lm / 5700K	Wide (40°)	
White		7W / 600lm / 5700K		
Venerable Silver		10W / 555lm / RGB+3000K		
		7W / 160lm / Blue 470nm		
		7W / 280lm / Red 630nm		
		7W / 420lm / Green 530nm		
		7W / 320lm / Amber 585nm		
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-116

Micro Spot Light

The pencil-thin micro-sized adjustable Aluminium spike light is perfect for planter boxes and anywhere discrete that requires a spotlight with beam angle options.



Product Code AQL-116 **Product Family** Lumena **Function** Spot Light **Construction** CNC Machined Aluminium / Powder Coat
Electrical 24V DC PWM Dimming **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

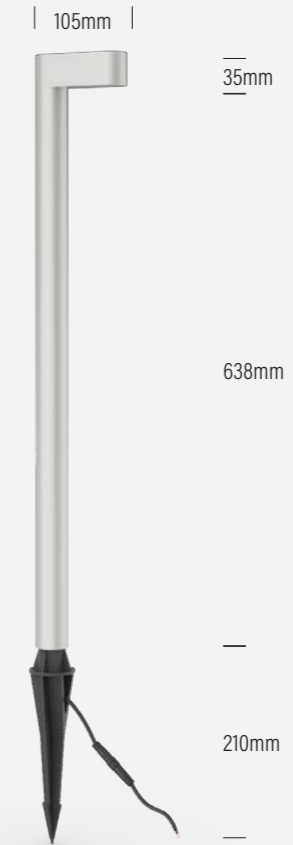
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC Dimming: 3-Wire PWM	2W / 150lm / 3000K	Narrow (15°)	AqualuxPLUS QuickConnect
Silver Reign		2W / 150lm / 2700K	Medium (30°)	
Black Ace		2W / 150lm / 5700K	Wide (50°)	
White		2W / 80lm / Red	Flood (70°)	
Venerable Silver		2W / 80lm / Green		
		2W / 80lm / Blue		



AQL-120/SP

Fixed Pathlight

The AQL-120 is a minimalist offset path light, with an integrated LED and diffuse glass cover for spreading light evenly and smoothly across a pathway.



Product Code AQL-120 **Product Family** Lumena **Function** Spike Pathlight **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 3000K	Diffused (Frosted)	AqualuxPLUS QuickConnect
Silver Reign		10W / 555lm / RGB+3000K		
Black Ace	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 300lm / 2700K		
White				
Venerable Silver				



AQL-120/SM

Surface Mount Pathlight

The AQL-120 surface mount is a minimalist offset path light, with an integrated LED and diffuse glass cover for spreading light evenly and smoothly across a pathway.



Product Code AQL-120 **Product Family** Lumena **Function** Surface Mount Pathlight **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 2700K	Diffused (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 300lm / 3000K		
Black Ace		10W / 555lm / RGB+3000K		
White				
Venerable Silver				



AQL-122

Spike Pathlight

Designed, manufactured and assembled in Sydney. The AQL-122 is an elegant pathlight that can blend perfectly into both modern and traditional settings.



Product Code AQL-122 **Product Family** Lumena **Function** Spike Pathlight **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 2700K	Diffused (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 300lm / 3000K		
Black Ace		10W / 555lm / RGB+3000K		
White				
Venerable Silver				



AQL-130/SP

Spike Bollard

The AQL-130 is a 300mm Mini-Bollard perfect for pathway & entrance way illumination. Durable ABS spike ensures good stability in many soil types.



Product Code AQL-130 **Product Family** Lumena **Function** Spike Pathlight **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> White <input type="checkbox"/> Venerable Silver	12~24V AC / 24V DC Dimming: 3-Wire PWM (DALI)	4W / 300lm / 3000K	Diffused (Clear)	AqualuxPLUS QuickConnect



AQL-130/SM

Surface Mount Pathlight

The AQL-131 is a 300mm Mini-Bollard perfect for pathway & entrance way illumination.



Product Code AQL-130 **Product Family** Lumena **Function** Surface Mount Pathlight **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> White <input type="checkbox"/> Venerable Silver	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 3000K	Diffused (Clear)	AqualuxPLUS QuickConnect



AQL-132

Spike Uplight

High Powered spike uplight.
20W LED



Product Code AQL-132 **Product Family** Lumena **Function** Spike Uplight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 24V DC **Power** 20W **Lumens** 2000lm **LED** CREE CXB1520 L70 70,000hrs + CRI 90+ **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

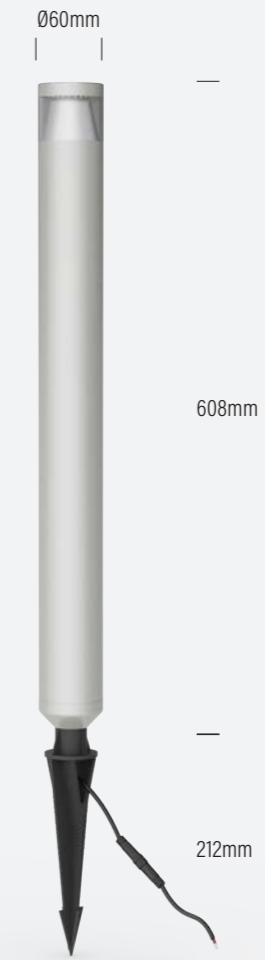
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> White <input type="checkbox"/> Venerable Silver	24V DC Dimming: 3-Wire PWM	20W / 2050lm / 3000K	<input type="checkbox"/> Narrow (12°) <input type="checkbox"/> Medium (35°) <input type="checkbox"/> Wide (55°)	AqualuxPLUS QuickConnect



AQL-135/SP

Surface Mount Pathlight

The AQL-135 is a 600mm Mini-Bollard perfect for pathway & entrance way illumination. Durable ABS spike ensures good stability in many soil types.



Product Code AQL-135 **Product Family** Lumena **Function** Spike Bollard **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

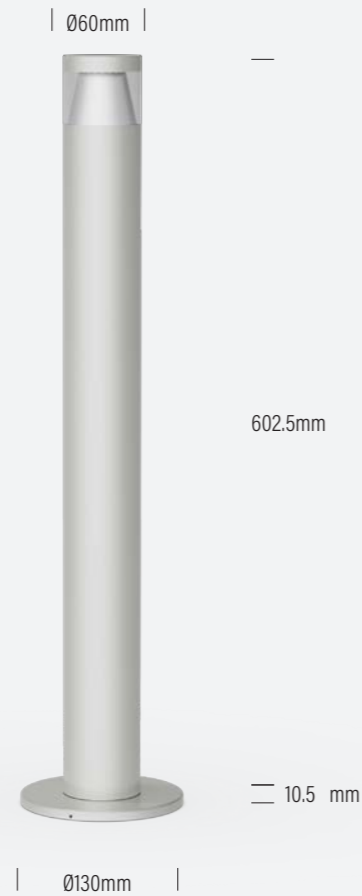
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> White <input type="checkbox"/> Venerable Silver	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 3000K	Diffused (Clear)	AqualuxPLUS QuickConnect



AQL-135/SM

Surface Mount Bollard / 600mm

The AQL-135/SM is a 600mm Mini-Bollard perfect for pathway & entrance way illumination.



Product Code AQL-135 **Product Family** Lumena **Function** Bollard **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 3000K	Diffuse (clear)	AqualuxPLUS QuickConnect



AQL-151

Nano Uplight

The AQL-151 is our smallest recessed up light, perfect for highlighting smaller features and path / way finding applications. Available in our standard powder coat finishes or the full Dulux range by request. CNC machined & assembled in Sydney, Australia.



Product Code AQL-151 **Product Family** Lumena **Function** Nano Uplight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 24V DC PWM Dimming **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver Black PC (Brass) Aged Brass (Brass) Copper (Brass) Natural Brass (Brass) 	24V DC Dimming: 3-Wire PWM	<ul style="list-style-type: none"> 2W / 150lm / 3000K 2W / 150lm / 2700K 2W / 150lm / 5700K 2W / 80lm / Red 2W / 80lm / Green 2W / 80lm / Blue 	<ul style="list-style-type: none"> Narrow (15°) Medium (30°) Wide (50°) Flood (70°) 	AqualuxPLUS QuickConnect



AQL-152

Micro Uplight

Micro recessed up light for subtle feature illumination and way finding applications. CNC machined & assembled in Sydney, Australia. Available in the full DULUX Powder coat range or solid brass and multiple plated finishes.



Product Code AQL-152 **Product Family** Lumena **Function** Micro Uplight **Construction** CNC Machined 6061 / Solid Brass + Powder Coat
Electrical 24V DC **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

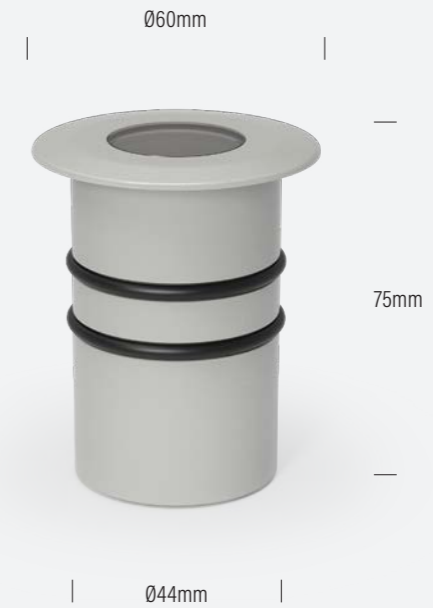
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC Dimming: 3-Wire PWM	2W / 150lm / 2700K	Narrow (15°)	AqualuxPLUS QuickConnect
Silver Reign		2W / 150lm / 3000K	Medium (30°)	
Black Ace		2W / 150lm / 4000K	Wide (50°)	
White		2W / 150lm / 57000K	Flood (70°)	
Venerable Silver				
Black PC (Brass)				
Aged Brass (Brass)				
Copper (Brass)				
Natural Brass (Brass)				



AQL-154

Inground Low Glare Uplight

A new addition to the best-selling AQL-150 series of in-ground uplights, the AQL-154 features a deeply recessed light source for increased glare control and discrete illumination. With the same CCT and LED options as the AQL-155 and a new set of optical options, the 154 is a complementary addition to the family intended to expand illumination design possibilities.



Product Code AQL-154 **Product Family** Lumena **Function** Inground Low Glare Uplight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 24V DC **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC Dimming: 3-Wire PWM	4W / 300lm / 3000K	Narrow (15°)	AqualuxPLUS QuickConnect
Silver Reign		7W / 550lm / 3000K	Medium (30°)	
Black Ace		4W / 320lm / 5700K		
White		7W / 600lm / 5700K		
Venerable Silver		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-155

Decklight

The AQL-155 is a compact, stylish recessed uplight suitable for many applications including wall-washing, feature highlighting and flora illumination.



Product Code AQL-155 **Product Family** Lumena **Function** Decklight **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

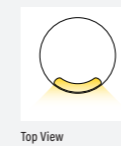
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	7W / 550lm / 3000K	Medium (25°)	
Black Ace		4W / 320lm / 5700K	Wide (40°)	
White		7W / 600lm / 5700K	Diffuse (Frosted)	
Venerable Silver		10W / 555lm / RGB+3000K	Wall Washer / Cut off	
Black PC (Brass)		7W / 160lm / Blue 470nm	Asymmetric / Billie Lens	
Aged Brass (Brass)		7W / 280lm / Red 630nm		
Copper (Brass)		7W / 420lm / Green 530nm		
Natural Brass (Brass)		7W / 320lm / Amber 585nm		
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-162

Recessed Step Light

The AQL-162 is a recessed step light with a uniquely designed dress ring allowing for a deeper spread of light illuminating further onto the step. Intended to accompany the AQL-163, AQL-164, AQL-165 and AQL-166 series of recessed grazing lights.



Product Code AQL-162 **Product Family** Lumena **Function** Recessed Step Light **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

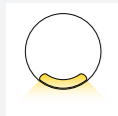
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	1W / 300lm / 3000K	Diffuse (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	1W / 100lm / 5700K	Diffuse (Clear)	
Black Ace		1W / 70lm / Red		
White		1W / 100lm / Green		
Venerable Silver		1W / 40lm / Blue		
		1W / 70lm / Amber		
		5W / 235lm / 3000K + 3000K		



AQL-163

Grazing Light

The AQL-163 is a compact, stylish recessed grazing light with 90° spread.



Light emission

Product Code AQL-163 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	1W / 300lm / 3000K	Diffuse (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	1W / 100lm / 5700K	Diffuse (Clear)	
Black Ace		1W / 70lm / Red		
White		1W / 100lm / Green		
Venerable Silver		1W / 40lm / Blue		
		1W / 70lm / Amber		
		5W / 235lm / 3000K + 3000K		



AQL-164

Grazing Light

The AQL-164 is a compact, stylish recessed grazing light with two opposing 90° spread beams.



Light emission

Product Code AQL-164 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

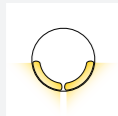
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	2W / 200lm / 3000K	Diffuse (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	2W / 200lm / 5700K	Diffuse (Clear)	
Black Ace		2W / 140lm / Red		
White		2W / 200lm / Green		
Venerable Silver		2W / 80lm / Blue		
		2W / 140lm / Amber		
		10W / 470lm / 3000K + 3000K		



AQL-165

Grazing Light

The AQL-165 is a compact, stylish recessed grazing light with 180° spread.



Light emission

Product Code AQL-165 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	2W / 200lm / 3000K	Diffuse (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	2W / 200lm / 5700K	Diffuse (Clear)	
Black Ace		2W / 140lm / Red		
White		2W / 080lm / Blue		
Venerable Silver		2W / 200lm / Green		
		2W / 140lm / Amber		
		10W / 470lm / RGB+3000K		



AQL-166

Grazing Light

The AQL-166 is a compact, stylish recessed grazing light with 360° spread.



Light emission

Product Code AQL-166 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

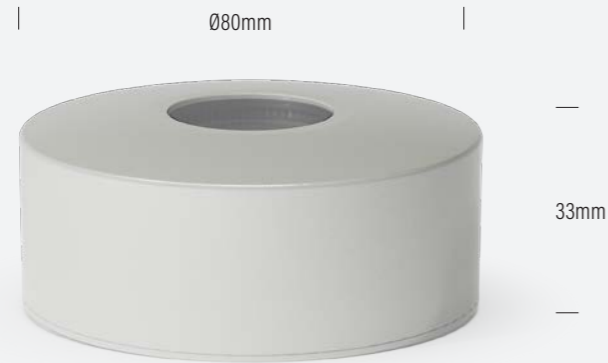
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire PWM	4W / 200lm / 3000K	Diffuse (Frosted)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 200lm / 5700K	Diffuse (Clear)	
Black Ace		4W / 140lm / Red		
White		4W / 080lm / Blue		
Venerable Silver		4W / 200lm / Green		
		4W / 140lm / Amber		
		20W / 470lm / RGB+3000K		



AQL-175

Pucklight

The AQL-175 has been utilised in many applications including veranda downlighting, alcove uplighting and cabinet illumination to name a few.



Product Code AQL-175 **Product Family** Lumena **Function** Pucklight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 24V DC PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

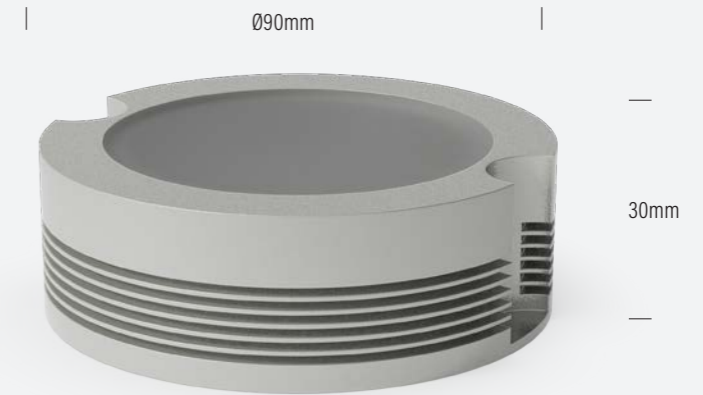
Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> <input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> White <input type="checkbox"/> Venerable Silver 	24V DC Dimming: 3-wire PWM 10V Dimming	<ul style="list-style-type: none"> <input type="checkbox"/> 4W / 300lm / 3000K <input type="checkbox"/> 7W / 550lm / 3000K <input type="checkbox"/> 4W / 320lm / 5700K <input type="checkbox"/> 7W / 600lm / 5700K <input type="checkbox"/> 7W / 160lm / Blue 470nm <input type="checkbox"/> 7W / 280lm / Red 630nm <input type="checkbox"/> 7W / 420lm / Green 530nm <input type="checkbox"/> 7W / 320lm / Amber 585nm <input type="checkbox"/> 4W / 300lm / 2700K <input type="checkbox"/> 7W / 550lm / 2700K 	<ul style="list-style-type: none"> <input type="checkbox"/> Narrow (10°) <input type="checkbox"/> Medium (25°) <input type="checkbox"/> Wide (40°) <input type="checkbox"/> Diffuse (Frosted) 	<input type="checkbox"/> AqualuxPLUS QuickConnect



AQL-176

Pucklight

The AQL-176 is a high powered Pucklight that has been utilised in many applications including veranda downlighting, alcove uplighting and cabinet illumination to name a few.



Product Code AQL-176 **Product Family** Lumena **Function** Pucklight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 24V DC PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> <input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> White <input type="checkbox"/> Venerable Silver 	24V DC Dimming: 3-wire PWM 10V Dimming	<input type="checkbox"/> 12W / 900lm / 3000K	<input type="checkbox"/> Diffuse (Frosted)	<input type="checkbox"/> AqualuxPLUS QuickConnect



AQL-195

Micro Decklight

The AQL-195 is a compact, stylish recessed 1.5W micro deck light with frost lens.



Product Code AQL-195 **Product Family** Lumena **Function** Micro Decklight **Construction** CNC Machined Aluminium + Powder Coat
Electrical 24V DC PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	24V DC Dimming: 3-wire PWM 10V Dimming	<ul style="list-style-type: none"> 2W / 150lm / 3000k 2W / 150lm / 2700K 2W / 150lm / 5700k 2W / 080lm / Red 2W / 080lm / Green 2W / 080lm / Blue 	Diffuse (Frosted)	AqualuxPLUS QuickConnect



AQL-220

Surface Mount Projector

Single surface mount adjustable projector. Recessed light source for improved glare control. 180° tilt / 360° rotation. CRI 90+, < 2 SDCM.



Product Code AQL-220 **Product Family** Lumena **Function** Surface Mount Projector **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Medium Bronze Silver Reign Black Ace White Venerable Silver 	12~24V AC / 24V DC Dimming: 3-Wire 10V PWM 24V DC RGBW Dimming: 4CH Low-Side PWM	<ul style="list-style-type: none"> 4W / 300lm / 3000K 7W / 550lm / 3000K 4W / 320lm / 5700K 7W / 600lm / 5700K 10W / 555lm / RGB+3000K 7W / 160lm / Blue 470nm 7W / 280lm / Red 630nm 7W / 420lm / Green 530nm 7W / 320lm / Amber 585nm 4W / 300lm / 2700K 7W / 550lm / 2700K 	<ul style="list-style-type: none"> Narrow (10°) Medium (25°) Wide (40°) Diffuse (Frosted) 	AqualuxPLUS QuickConnect



AQL-240

Twin Surface Mount Projector

Twin surface mount adjustable projector. Recessed light source for improved glare control. 180° tilt / 360° rotation. CRI 90+, < 2 SDCM.



Product Code AQL-240 **Product Family** Lumena **Function** Twin Surface Mount Projector **Construction** CNC Machined Aluminium + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	12~24V AC / 24V DC Dimming: 3-Wire 10V PWM	8W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Silver Reign	24V DC RGBW Dimming: 4CH Low-Side PWM	14W / 550lm / 3000K	Medium (25°)	
Black Ace		8W / 320lm / 5700K	Wide (40°)	
White		14W / 600lm / 5700K	Diffuse (Frosted)	
Venerable Silver		20W / 555lm / RGB+3000K		
		14W / 160lm / Blue 470nm		
		14W / 280lm / Red 630nm		
		14W / 420lm / Green 530nm		
		14W / 320lm / Amber 585nm		
		8W / 300lm / 2700K		
		14W / 550lm / 2700K		



AQL-514

Slimline 60mm Grazing Light

The AQL-514 is a 60mm grazing light suitable for steps, corridors and general wayfinding applications.



Product Code AQL-514 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium / Brass Ageing + Plating + Powder Coat
Electrical 24V DC PWM **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

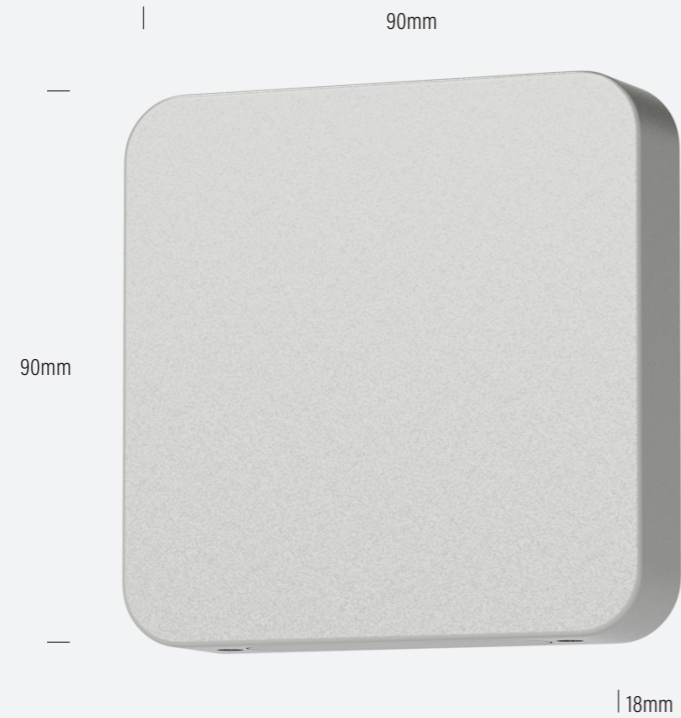
Finish	Control Gear	Light Source	Optical	Cable
Medium Bronze	24V DC Dimming: 2-Wire PWM	2W / 300lm / 2200K	Diffuse (Clear)	Standard 1m Aqualux Cable
Silver Reign		2W / 330lm / 2700K		
Black Ace		2W / 340lm / 3000K		
Venerable Silver				
Brushed Chrome				
Black PC				
Aged Brass				
Copper				
Natural Brass				
White				



AQL-515

Slimline 90mm Grazing Light

The AQL-515 is a 90mm grazing light suitable for steps, corridors and general wayfinding applications.



Product Code AQL-515 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium / Brass Ageing + Plating + Powder Coat
Electrical 24V DC PWM **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> Venerable Silver <input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Black PC <input type="checkbox"/> Aged Brass <input type="checkbox"/> Copper <input type="checkbox"/> Natural Brass <input type="checkbox"/> White	24V DC Dimming: 2-Wire PWM	<input type="checkbox"/> 4W / 300lm / 2200K <input type="checkbox"/> 4W / 330lm / 2700K <input type="checkbox"/> 4W / 340lm / 3000K	Diffuse (Clear)	Standard 1m Aqualux Cable



AQL-516

Slimline 145mm Grazing Light

The AQL-516 is a 145mm grazing light suitable for steps, corridors and general wayfinding applications.



Product Code AQL-516 **Product Family** Lumena **Function** Grazing Light **Construction** CNC Machined Aluminium / Brass Ageing + Plating + Powder Coat
Electrical 24V DC PWM **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Medium Bronze <input type="checkbox"/> Silver Reign <input type="checkbox"/> Black Ace <input type="checkbox"/> Venerable Silver <input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Black PC <input type="checkbox"/> Aged Brass <input type="checkbox"/> Copper <input type="checkbox"/> Natural Brass <input type="checkbox"/> White	24V DC Dimming: 2-Wire PWM	<input type="checkbox"/> 6W / 880lm / 2200K <input type="checkbox"/> 6W / 990lm / 2700K <input type="checkbox"/> 6W / 1020lm / 3000K	Diffuse (Clear)	Standard 1m Aqualux Cable





Phoenix

Phoenix

A combination of solid CNC machined brass and solid cast brass, the Phoenix range is a durable selection of luminaires with timeless design for all types of outdoor entertaining areas and landscapes.

Part of our premium ranges, Phoenix comes in various coatings and finishes for every design application including Dulux powder coat, aged brass, copper and brushed chrome.



AQL-510



AQL-520



AQL-530



AQL-531



AQL-540



AQL-565

AQL-510

Step Light

Cast brass with 5 finish options the AQL-510 is our most popular LED wall light. Throwing light out at an angle rather than straight down means more light is projected away from the wall rather than down it resulting in more light on the pathway.



Product Code AQL-510 **Product Family** Phoenix **Function** Step Light **Construction** Solid Brass + Ageing + Plating + Powder Coat
Electrical 24V DC PWM **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

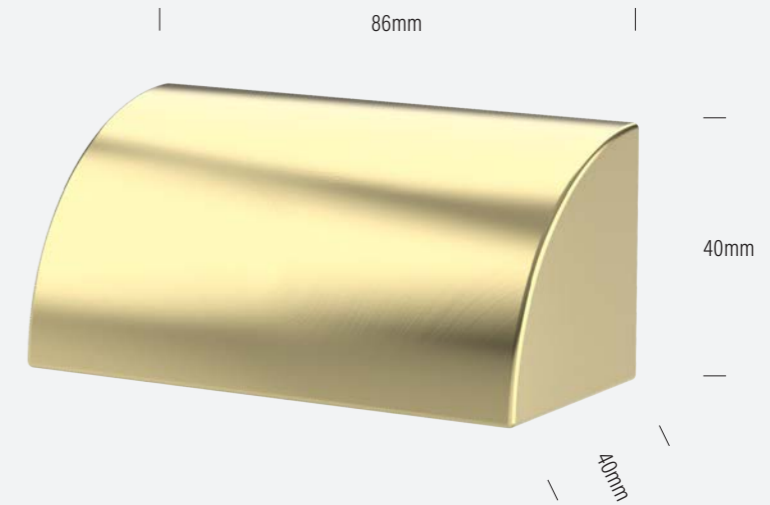
Finish	Control Gear	Light Source	Optical	Cable
Brushed Chrome	24V DC Dimming: 3-wire PWM 10V Dimming	4W / 300lm / 2200K	Diffuse (Frosted)	Aqualux Standard 1m Cable
Black PC		4W / 330lm / 2700K		
Aged Brass	24V DC Dimming: 2-wire PWM	4W / 340lm / 3000K		
Copper				
Natural Brass				



AQL-520

Step Light

The AQL-520 is the latest addition to the Phoenix range offering a huge amount of light from a compact unit just like it's sister the AQL-510. Designed to fit on 90mm posts it is available in 5 finishes making it suitable for a variety of landscape designs.



Product Code AQL-520 **Product Family** Phoenix **Function** Step Light **Construction** Solid Brass
Electrical 24V DC PWM **IP Rating** IP65 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Brushed Chrome	24V DC Dimming: 3-wire PWM 10V Dimming	4W / 300lm / 2200K	Diffuse (Frosted)	Aqualux Standard 1m Cable
Black PC		4W / 330lm / 2700K		
Aged Brass	24V DC Dimming: 2-wire PWM	4W / 340lm / 3000K		
Copper				
Natural Brass				



AQL-530

Uplight

The AQL-530 is designed to withstand the worst conditions nature can offer. Solid cast brass with 5 finish options and epoxy encapsulated internals the AQL-530 is suitable for any application that requires the best in reliability and performance.



Product Code AQL-530 **Product Family** Phoenix **Function** Uplight **Construction** Solid Brass + Ageing + Plating + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP68 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Brushed Chrome	12~24V AC / 24V DC Dimming: 3-Wire 10V PWM	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Black PC	24V DC RGBW Dimming: 4CH Low-Side PWM	7W / 550lm / 3000K	Medium (25°)	
Aged Brass		4W / 320lm / 5700K	Wide (40°)	
Copper	24V DC RGBW Dimming: 4CH Low-Side PWM	7W / 600lm / 5700K	Diffuse (Frosted)	
Natural Brass		10W / 555lm / RGB+3000K	Asymmetric / Billie Lens	
		7W / 160lm / Blue		
		7W / 280lm / Red		
		7W / 420lm / Green		
		7W / 320lm / Amber		
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-531

Inground Uplight

The 531 has a reduced dress ring diameter. Available with the same LED and optical options as the AQL-530, the 531 is suited to applications requiring less visual presence.



Product Code AQL-531 **Product Family** Phoenix **Function** Inground Uplight **Construction** Solid Brass + Ageing + Plating + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP68 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Brushed Chrome	12~24V AC / 24V DC Dimming: 3-Wire 10V PWM	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Black PC	24V DC RGBW Dimming: 4CH Low-Side PWM	7W / 550lm / 3000K	Medium (25°)	
Aged Brass		4W / 320lm / 5700K	Wide (40°)	
Copper	24V DC RGBW Dimming: 4CH Low-Side PWM	7W / 600lm / 5700K	Diffuse (Frosted)	
Natural Brass		10W / 555lm / RGB+3000K	Asymmetric / Billie Lens	
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-540

Pond Light

Made from cast brass for the best possible durability underwater or in harsh coastal environments the AQL-540 is the ultimate pond light. Submersible up to 1 meter.



Product Code AQL-540 **Product Family** Phoenix **Function** Pond Light **Construction** Solid Brass + Ageing + Plating + Powder Coat
Electrical SELV 12 ~ 24V AC / 24V DC / 24V RGBW PWM **IP Rating** IP68 **Warranty** 7 Year Aqualux Warranty

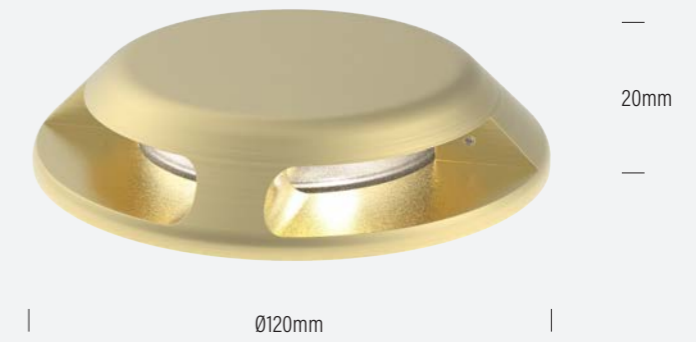
Finish	Control Gear	Light Source	Optical	Cable
Brushed Chrome	12~24V AC / 24V DC Dimming: 3-Wire 10V PWM	4W / 300lm / 3000K	Narrow (10°)	AqualuxPLUS QuickConnect
Black PC		7W / 550lm / 3000K	Medium (25°)	
Aged Brass	24V DC RGBW Dimming: 4CH Low-Side PWM	4W / 320lm / 5700K	Wide (40°)	
Copper		7W / 600lm / 5700K	Diffuse (Frosted)	
Natural Brass		10W / 555lm / RGB+3000K		
		7W / 160lm / Blue		
		7W / 280lm / Red		
		7W / 420lm / Green		
		7W / 320lm / Amber		
		4W / 300lm / 2700K		
		7W / 550lm / 2700K		



AQL-565

Runway Light

The AQL-565 is a stylish surface mount runway light with 180° spread. IK10 rating.



Product Code AQL-565 **Product Family** Phoenix **Function** Runway Light **Construction** Solid Brass + Ageing + Plating + Powder Coat
Electrical 24V DC PWM **IP Rating** IP67 **Warranty** 7 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
Brushed Chrome	24V DC Dimming: 3-Wire 10V PWM	8W / 600lm / 3000K	Diffuse (Frosted)	AqualuxPLUS QuickConnect
Black PC				
Aged Brass				
Copper				
Natural Brass				



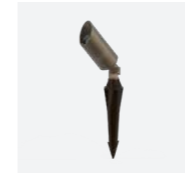


Hydra

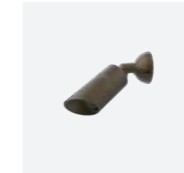
Hydra

The Hydra range is a selection of fully cast brass fittings that represent the ultimate combination of value and durability.

Featuring a wide range of functions and styles, the Hydra range can fully articulate a designer's vision for a landscape lighting project without stretching the budget.



AQL-400



AQL-401



AQL-402



AQL-403



AQL-404



AQL-405



AQL-406



AQL-407



AQL-408



AQL-409



AQL-410



AQL-411



AQL-412



AQL-413



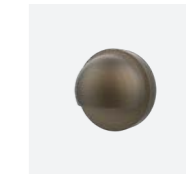
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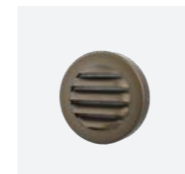
AQL-415



AQL-416



AQL-417



AQL-418



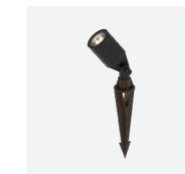
AQL-419



AQL-420



AQL-421



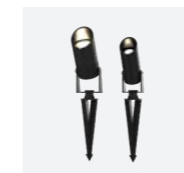
AQL-450



AQL-451



AQL-452



AQL-455

AQL-400

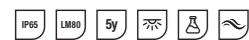
Spike Spot Light

Single Head Spot Spike Light.



Product Code AQL-400 **Product Family** Hydra **Function** Spike Spot Light **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-401

Surface Mount Spot Light

Single Head Spot Surface Mount.



Product Code AQL-401 **Product Family** Hydra **Function** Surface Mount Spot Light **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-402

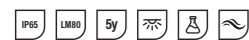
Twin Adjustable Surface Light

Surface Mount Twin Spot light.



Product Code AQL-402 **Product Family** Hydra **Function** Twin Adjustable Surface Light **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-403

Adjustable Surface Uplight

Single Head Pathlight 38cm
Stem Surface Mount.



Product Code AQL-403 **Product Family** Hydra **Function** Adjustable Surface Uplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-404

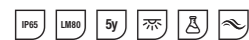
Adjustable Pathlight

Single Head Pathlight Elbow
Adaptor 38cm Stem Surface
Mount.



Product Code AQL-404 **Product Family** Hydra **Function** Adjustable Pathlight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-405

Adjustable Surface Uplight

Single Head Pathlight 60cm
Stem Surface Mount.



Product Code AQL-405 **Product Family** Hydra **Function** Adjustable Surface Uplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

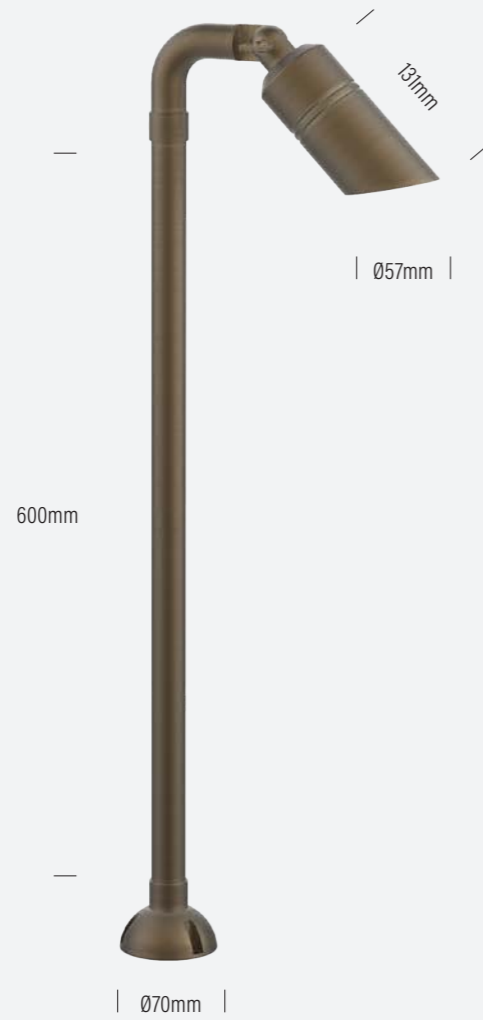
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-406

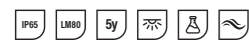
Surface Mount Pathlight

Single Head Pathlight Elbow
Adaptor 60cm Stem Surface
Mount.



Product Code AQL-406 **Product Family** Hydra **Function** Surface Mount Pathlight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input checked="" type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-407

Twin Adjustable Path Light

Twin Head Pathlight 38cm Stem
Surface Mount.



Product Code AQL-407 **Product Family** Hydra **Function** Twin Adjustable Path Light **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

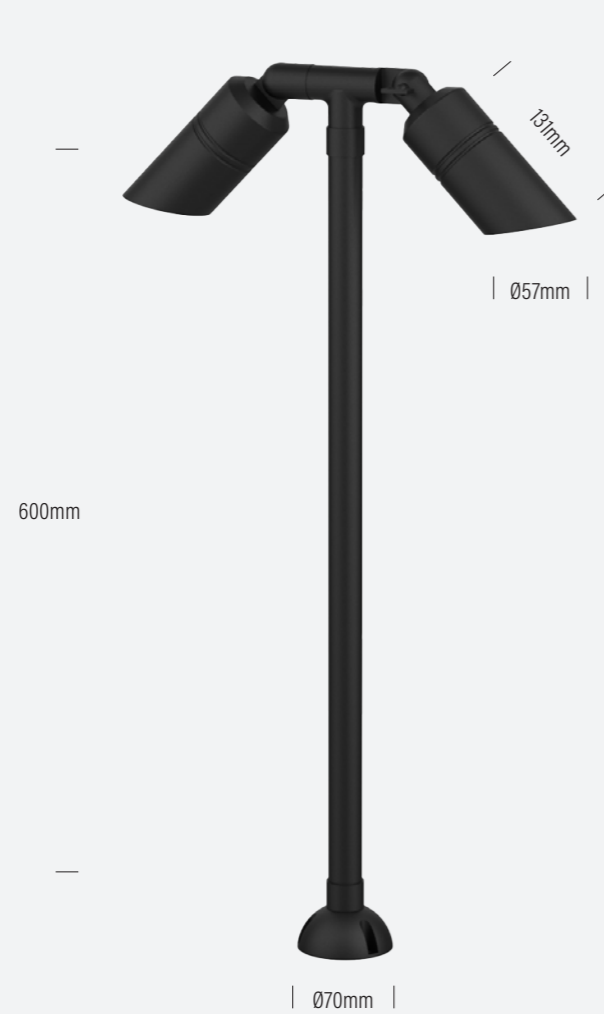
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input checked="" type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-408

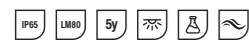
Twin Adjustable Surface Light

Twin Pathlight 60cm Stem
Surface Mount.



Product Code AQL-408 **Product Family** Hydra **Function** Twin Adjustable Surface Light **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-409

Twin Pathlight Spike

Twin Head Spot light 38cm Stem
Spike Mount.



Product Code AQL-409 **Product Family** Hydra **Function** Twin Pathlight Spike **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-410

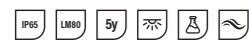
Twin Adjustable Spike Pathlight

Twin Pathlight 60cm Stem Spike Mount.



Product Code AQL-410 **Product Family** Hydra **Function** Adjustable Pathlight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-411

Adjustable Spike Uplight

Single Head Pathlight 38cm Stem Spike Mount.



Product Code AQL-411 **Product Family** Hydra **Function** Adjustable Spike Uplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-412

Adjustable Spike Pathlight

Single Head Pathlight Elbow
Adaptor 38cm Stem Spike Mount.



Product Code AQL-412 **Product Family** Hydra **Function** Adjustable Spike Pathlight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-413

Adjustable Spike Uplight

Single Pathlight 60cm Stem
Spike Mount.



Product Code AQL-413 **Product Family** Hydra **Function** Adjustable Spike Uplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

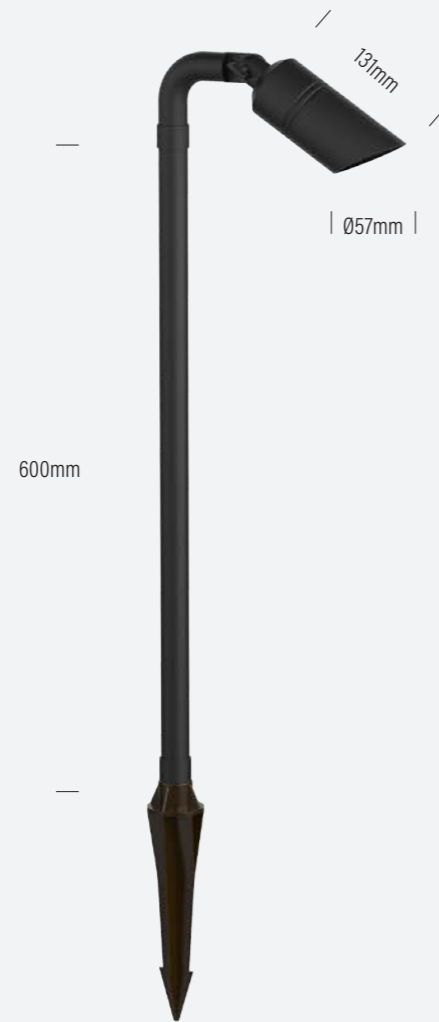
Finish	Control Gear	Light Source	Optical	Cable
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AQL-414

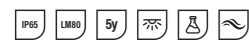
Adjustable Spike Pathlight

Single Head Pathlight Elbow
Adaptor 60cm Stem Spike Mount.



Product Code AQL-414 **Product Family** Hydra **Function** Adjustable Spike Pathlight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
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AQL-415

Pond Light

IP68 cast brass surface mount spot light. Ideal for ponds & water features. Submersible up to 1 meter.



Product Code AQL-415 **Product Family** Hydra **Function** Pond Light **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP68 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
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AQL-416

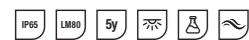
Inground Hooded Bollard

Highly durable construction with 6 x CREE LEDs built in the AQL-416 is a reliable LED bollard designed in the traditional "mushroom" hat style. The brass will further age over time turning darker and taking on a green tinge. 12-24VAC built-in driver allows this to be paired with many of our other fittings.



Product Code AQL-416 **Product Family** Hydra **Function** Inground Hooded Bollard **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: Non Dimming **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	12-24V AC / 24V DC Dimming: Non Dimming	7W / 360lm / 3000K	Diffuse (Clear)	Aqualux Standard 1m Cable



AQL-417

Eyelid Steplight

Brass Steplight with integral LED.



Product Code AQL-417 **Product Family** Hydra **Function** Eyelid Steplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: Non Dimming **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	12-24V AC / 24V DC Dimming: Non Dimming	4W / 400lm / 3000K	Diffuse (Frosted)	Aqualux Standard 1m Cable



AQL-418

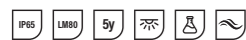
Slotted Steplight

Round Louvred Steplight.



Product Code AQL-418 **Product Family** Hydra **Function** Slotted Steplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: Non Dimming **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

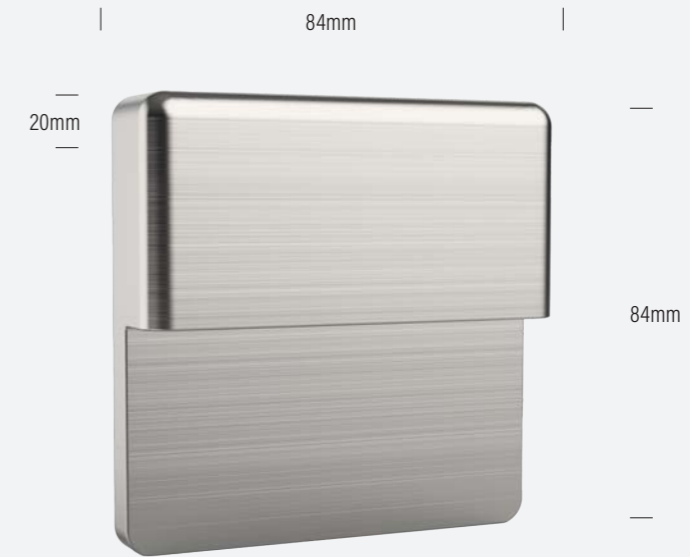
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	12-24V AC / 24V DC Dimming: Non Dimming	4W / 250lm / 3000K	Diffuse (Clear)	Aqualux Standard 1m Cable



AQL-419

Slimline LED Steplight

A low profile LED steplight perfect for steps, retaining walls and corridors.



Product Code AQL-419 **Product Family** Hydra **Function** Slimline LED Steplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: Non Dimming **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	12-24V AC / 24V DC Dimming: Non Dimming	2W / 100lm / 3000K	Diffuse (Clear)	Aqualux Standard 1m Cable



AQL-420

Slotted Steplight

Surface mount, low profile, slotted steplight for step risers, pathways and corridors.



Product Code AQL-420 **Product Family** Hydra **Function** Slotted Steplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical 12-24V AC / 24V DC Dimming: Non Dimming **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	12-24V AC / 24V DC Dimming: Non Dimming	7W / 150lm / 3000K	Diffuse (Frosted)	Aqualux Standard 1m Cable



AQL-421

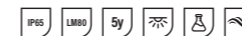
Inground Uplight

IP65 cast brass inground uplight. Ideal for soil or turf areas which need a low profile uplight.



Product Code AQL-421 **Product Family** Hydra **Function** Inground uplight **Construction** Solid Cast Brass + Ageing + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass	Lamp Dependant	Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-450

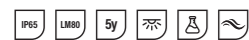
Turbo Spike MR16 LED

The AQL-450 "TURBO" Spike is an adjustable spot light perfect for lighting projects of every budget. Manufactured from solid cast brass and finished in a durable, textured black powder coat, the AQL-450 is useful wherever a spike spot is needed. The included Aqualux 4W LED globe comes pre-installed allowing rapid installation and setup.



Product Code AQL-450 **Product Family** Hydra **Function** Slimline LED Steplight **Construction** Solid Cast Brass + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

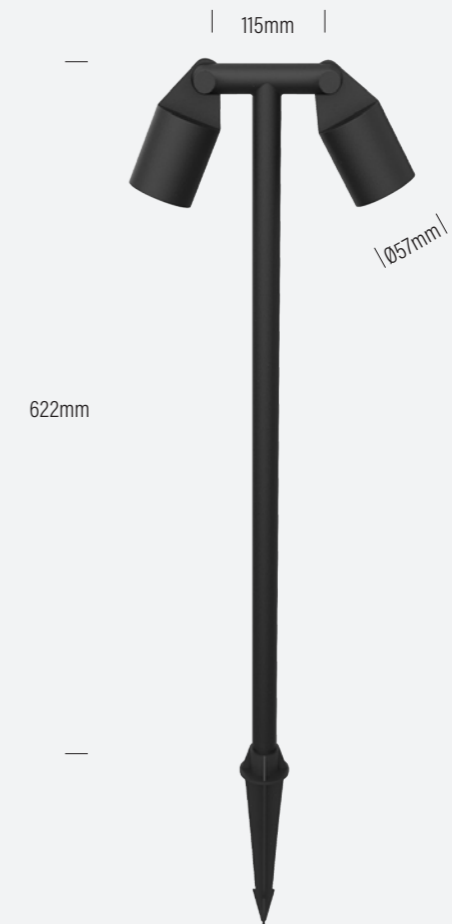
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Aged Brass (Arriving June 2023)	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-451

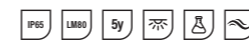
Twin Pathlight Spike

The AQL-451 "TWIN TURBO" Spike is a new adjustable spot light perfect for lighting projects of every budget. Manufactured from solid cast brass and finished in a durable, textured black powder coat. The included Aqualux 4W LED globe comes pre-installed allowing rapid installation and setup.



Product Code AQL-451 **Product Family** Hydra **Function** Twin Pathlight Spike **Construction** Solid Cast Brass + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

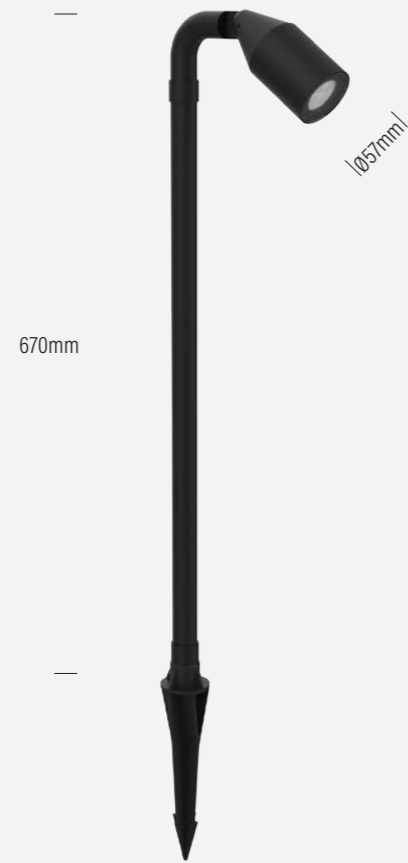
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Brushed Chrome <input checked="" type="checkbox"/> Matt Black PC	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-452

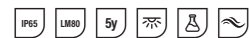
Single Pathlight Spike

The AQL-452 "TURBO PATH" Spike is a new adjustable spot light perfect for lighting projects of every budget. Manufactured from solid cast brass and finished in a durable, textured black powder coat. The included Aqualux 4W LED globe comes pre-installed allowing rapid installation and setup.



Product Code AQL-452 **Product Family** Hydra **Function** Single Pathlight Spike **Construction** Solid Cast Brass + Plating + Powder Coat
Electrical GX5.3 MR16 Lamp **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Brushed Chrome Matt Black PC 	Lamp Dependant	MR16 Dimming: Lamp Dependant	Lamp Dependant	Aqualux Standard 1m Cable



AQL-455

3W, 6W or 10W ECO Spike

The NEW AQL-455 "ECO" Spike is an adjustable spotlight perfect for lighting projects of every budget. Manufactured from Aluminium and finished in a durable, textured black powder coat, the AQL-455 comes with an optional 3W, 6W or 10W integrated CREE LED chip for rapid installation. 10W version being the larger sized fitting.

3w and 6w: 24V AC / DC.
 10w: 24V DC.



Product Code AQL-455 **Product Family** Hydra **Function** 3W, 6W or 10W ECO Spike **Construction** Aluminium + Powder Coat
Electrical Integrated 3W, 6W or 10W LED **IP Rating** IP65 **Warranty** 2 Year Aqualux Warranty **Accessories** 150mm and 300mm Extension Pole

Finish	Control Gear	Light Source	Optical	Cable
<ul style="list-style-type: none"> Matt Black PC 	12-24V AC / 24V DC Dimming: Non Dimming 24V DC Dimming: Non-dimming	<ul style="list-style-type: none"> 3W / 200lm / 3000K 6W / 400lm / 3000K 10W / 600lm / 3000K 	Wide (38°)	Aqualux Standard 1m Cable

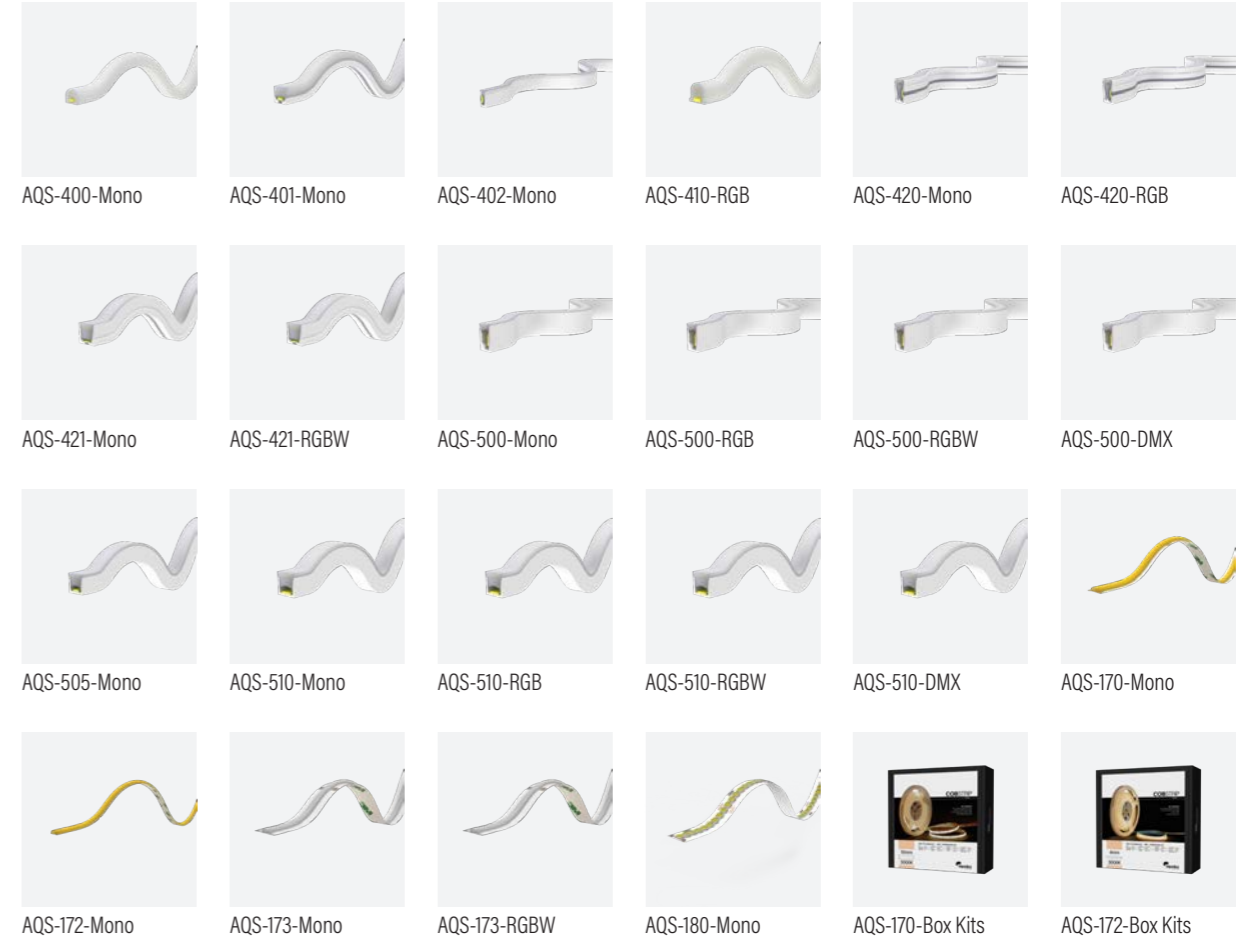




Neon Flex

Neon Flex

IP67-rated Neon Flex is perfect for pool surrounds and wet areas, while IP65 Neon Flex can be used in almost any other applications, under stairs, mirror surrounds and damp environments.



AQS-400 / Mono

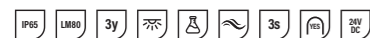
IP65 Neon Flex

Commercial grade Neon Flex is perfect for straight or curved recesses. D-curve profile for wide illumination.



Product Code AQS-400 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) / DMX / DALI **Max Length** (Single Power Feed) 8m **Max Length** (Double Power Feed) 16m **Cut Interval** 31mm
Bend Direction Vertically **Minimum Bend Diameter** 60mm **LED Type** 2216 **LED Qty / M** 6pcs **Lumen Maintenance** 70,000 Hours L70@ 25°C, 50,000 Hours L70@ 50°C **Materials** Silicone
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-400-20A10	2000K	24V DC	10W	???lm	AQS-400-ACC-03 1m Polycarbonate	D01
AQS-400-27A05	2700K	24V DC	5W	250lm	AQS-400-ACC-04 2m Polycarbonate	
AQS-400-30A05	3000K	24V DC	5W	275lm	AQS-400-ACC-01 Aluminium clip	
AQS-400-27A10	2700K	24V DC	10W	500lm		
AQS-400-30A10	3000K	24V DC	10W	550lm		
AQS-400-40A10	4000K	24V DC	10W	580lm		
AQS-400-50A10	5000K	24V DC	10W	600lm		
AQS-400-60A10	6000K	24V DC	10W	620lm		



AQS-401 / Mono

IP65 Neon Flex

Commercial grade Neon Flex is perfect for straight or curved recesses. Square profile for flush fitting.



Product Code AQS-401 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) / DMX **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m **Cut Interval** 36mm
Bend Direction Vertically **Minimum Bend Diameter** 80mm **LED Type** 2835 **LED Qty / M** 168pcs **Lumen Maintenance** 70,000 Hours L70@ 25°C, 50,000 Hours L70@ 50°C **Materials** Silicone
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Years Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-401-20A10	2000K	24V DC	10W	???lm	AQS-401-ACC-01 1m Aluminium	D01
AQS-401-27A05	2700K	24V DC	5W	450lm	AQS-401-ACC-02 2m Aluminium	
AQS-401-27A10	2700K	24V DC	10W	500lm	AQS-401-ACC-03 Aluminium clip	
AQS-401-30A05	3000K	24V DC	5W	???lm		
AQS-401-30A10	3000K	24V DC	10W	550lm		
AQS-401-40A10	4000K	24V DC	10W	580lm		
AQS-401-50A10	5000K	24V DC	10W	600lm		



AQS-402 / Mono

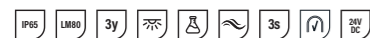
IP65 Neon Flex

The new slimline AQS-402 is only 6mm wide and 12mm high, making it the slimmest encapsulated LED Neon Flex strip to date. In a range of colour temperatures from 2700K to 5000K. The AQS-402 is cut and tailed in our Sydney factory for a quick turnaround time.



Product Code AQS-402 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m 5W / 13m 10W **Max Length** (Double Power Feed) 20m 5W / 26m 10W **Cut Interval** 50mm **Bend Direction** Horizontally **Minimum Bend Diameter** 100mm **LED Type** SMD2835 **LED Qty / M** 120pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Silicone **Emission Angle** 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-402-20A10	2000K	24V DC	10W	??lm	AQS-402-ACC-02 Bendable S Channel	D01
AQS-402-27A05	2700K	24V DC	5W	178lm	AQS-402-ACC-03 Aluminium Clip	S01
AQS-402-27A10	2700K	24V DC	10W	353lm	AQS-402-ACC-03 Aluminium Clip	
AQS-402-30A05	3000K	24V DC	5W	154lm	AQS-402-ACC-04 2m Aluminium	
AQS-402-30A10	3000K	24V DC	10W	299lm		
AQS-402-40A10	4000K	24V DC	10W	360lm		
AQS-402-50A10	5000K	24V DC	10W	380lm		



AQS-402 / RGB

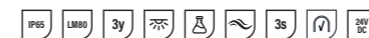
IP65 Neon Flex

The new slimline AQS-402 is only 6mm wide and 12mm high, making it the slimmest encapsulated LED Neon Flex strip to-date. The AQS-402 is cut and tailed in our Sydney factory for a quick turn around time.



Product Code AQS-402 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m 5W / 13m 10W **Max Length** (Double Power Feed) 20m 5W / 26m 10W **Cut Interval** 50mm **Bend Direction** Horizontally **Minimum Bend Diameter** 100mm **LED Type** SMD2835 **LED Qty / M** 120pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Silicone **Emission Angle** 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-402-Z1A10	RGB	24V DC	10W	127lm	AQS-402-ACC-02 Bendable S Channel	D01
					AQS-402-ACC-03 Aluminium Clip	S01
					AQS-402-ACC-04 2m Aluminium	



AQS-410 / RGB

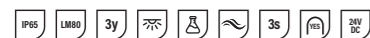
IP65 Neon Flex

The AQS-410 Neon Flex product is manufactured in a continuous extrusion process and then manually terminated to length with IP65 overmolded cable entry points here in our Sydney factory for a quicker turn-around time.



Product Code AQS-410 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m
Cut Interval 50mm **Bend Direction** Vertically **Minimum Bend Diameter** 100mm **LED Type** 4040 3-in-1 **LED Qty / M** 108pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Silicone
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

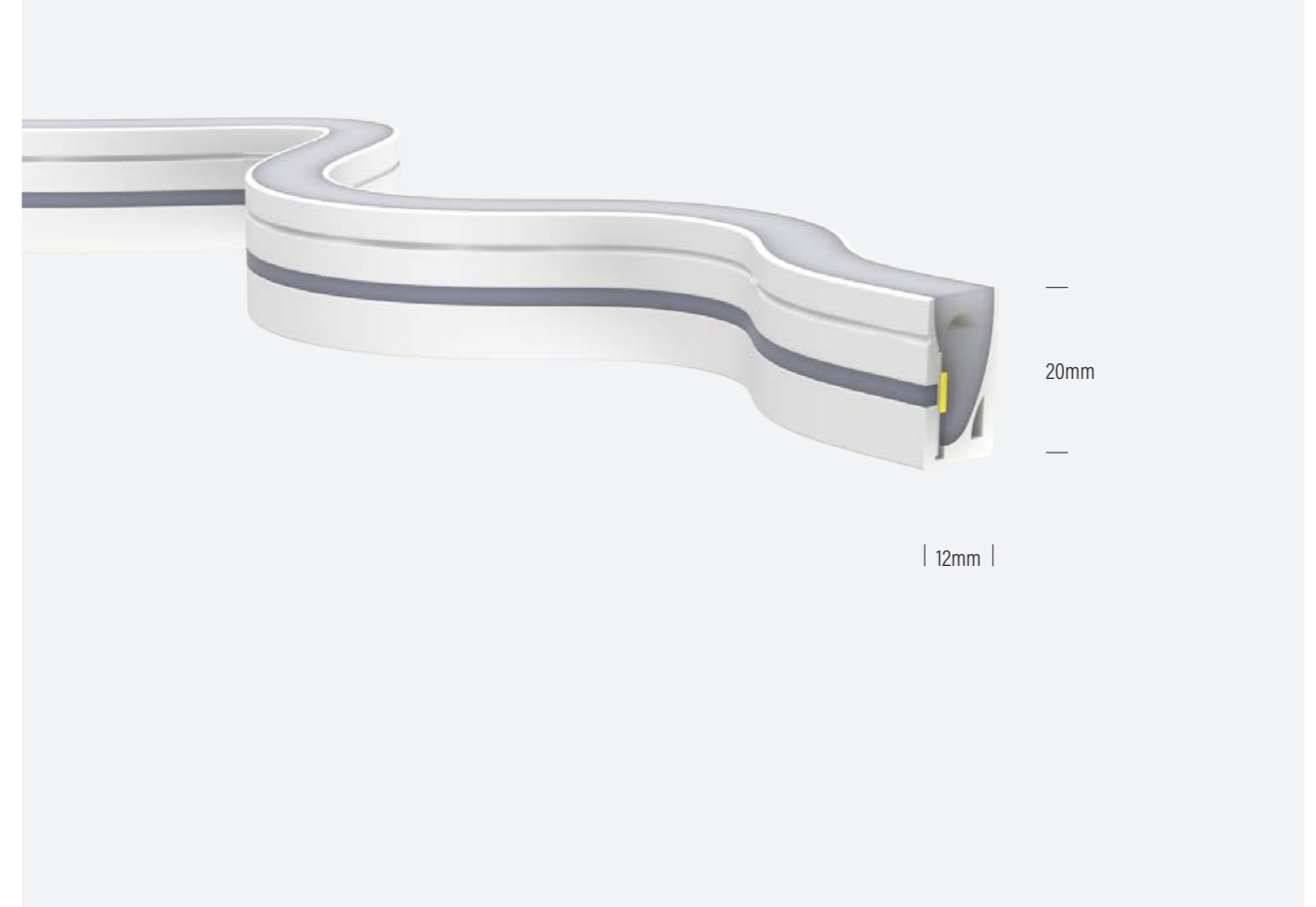
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-410-Z1A10	RGB	24V DC	10W	785lm	AQS-410-ACC-01 Polycarbonate Clip	D01
					AQS-410-ACC-04 2m Aluminium	
					AQS-410-ACC-02 1m Polycarbonate	



AQS-420 / Mono

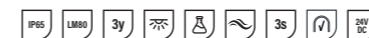
IP65 Neon Flex

The AQS-420 Neon Flex product is manufactured in a continuous extrusion process and then manually terminated to length with IP65 overmolded cable entry points here in our Sydney factory for a quicker turn-around time.



Product Code AQS-420 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 50mm **Bend Direction** Horizontally **Minimum Bend Diameter** 120mm **LED Type** SMD5050 **LED Qty / M** 120pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Silicone
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-420-20A10	2000K	24V DC	10W	??lm	AQS-420-ACC-01 1m Aluminium	S01
AQS-420-27A10	2700K	24V DC	10W	271lm	AQS-420-ACC-03 2m Aluminium	B01
AQS-420-30A10	3000K	24V DC	10W	269lm	AQS-500-ACC-AL4-01 Bendable S Channel	D01
AQS-420-40A10	4000K	24V DC	10W	320lm		
AQS-420-50A10	5000K	24V DC	10W	326lm		
AQS-420-20A15	2000K	24V DC	10W	450lm		
AQS-420-27A15	2700K	24V DC	10W	460lm		
AQS-420-30A15	3000K	24V DC	10W	470lm		
AQS-420-40A15	4000K	24V DC	10W	500lm		
AQS-420-50A15	5000K	24V DC	10W	525lm		



AQS-420 / RGBW

IP65 Neon Flex

The AQS-420 Neon Flex product is manufactured in a continuous extrusion process and then manually terminated to length with IP65 overmolded cable entry points here in our Sydney factory for a quicker turn-around time.



Product Code AQS-420 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 60mm **Bend Direction** Horizontally **Minimum Bend Diameter** 120mm **LED Type** SMD5050 **LED Qty / M** 120pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Silicone
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

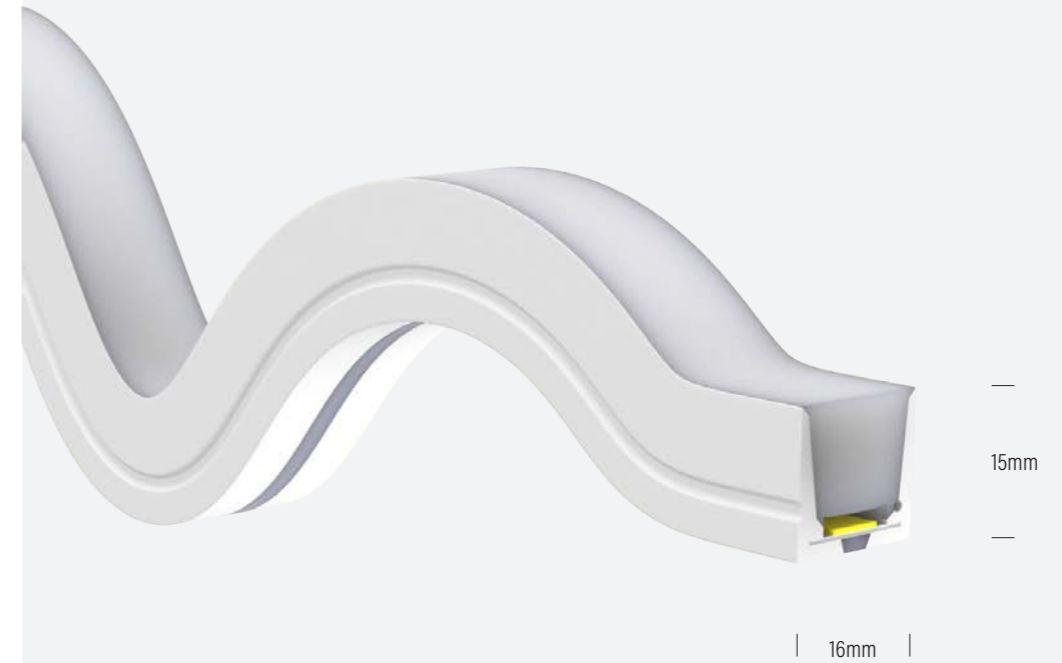
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-420-Z2A15	RGB + 3000K	24V DC	15W	500lm	AQS-420-ACC-01 1m Aluminium	S01 B01
					AQS-420-ACC-02 2m Aluminium	D01



AQS-421 / Mono

IP65 Neon Flex

AQS-421 is a high output top-view IP67 Neon Flex in Mono and RGBW. Use for external facade illumination, in-pavement channels and exterior wall grazing where moisture and mechanical protection is required.



Product Code AQS-421 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m
Cut Interval 50mm **Bend Direction** Horizontally **Minimum Bend Diameter** 300mm **LED Type** SMD5050 **LED Qty / M** 120pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Silicone
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

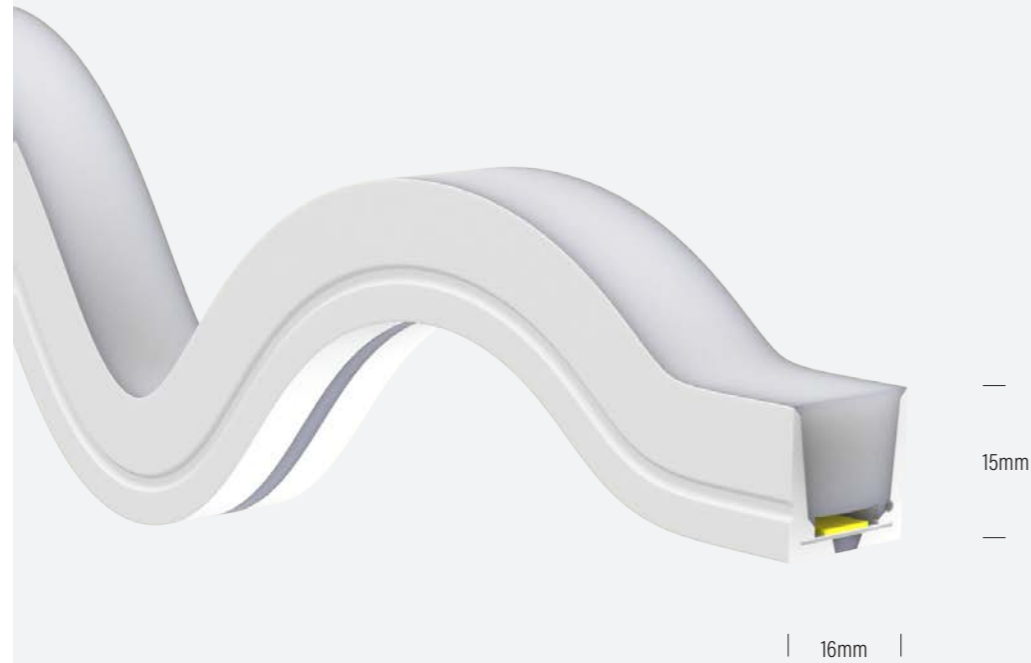
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-421-20A15	2000K	24V DC	15W	600lm	AQS-421-ACC-03 2m Aluminium	D01
AQS-421-27A15	2700K	24V DC	15W	766lm	AQS-421-ACC-01 Stainless Steel Clip	D03 B01
AQS-421-30A15	3000K	24V DC	15W	748lm		S01
AQS-421-40A15	4000K	24V DC	15W	915lm		
AQS-421-50A15	5000K	24V DC	15W	930lm		



AQS-421 / RGBW

IP65 Neon Flex

AQS-421 is a high output top-view IP67 Neon Flex in Mono and RGBW. Use for external facade illumination, in-pavement channels and exterior wall grazing where moisture and mechanical protection is required.



Product Code AQS-421 **IP Rating** IP65 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m
Cut Interval 50mm **Bend Direction** Horizontally **Minimum Bend Diameter** 300mm **LED Type** SMD5050 **LED Qty / M** 120pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** Silicone
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-421-Z2A15	RGB + 3000K	24V DC	15W	337lm	AQS-421-ACC-03 2m Aluminium	D01 D03
					AQS-421-ACC-01 Stainless Steel Clip	B01 S01



AQS-500 / Mono

IP68 Neon Flex

AQS-500 is a high output side-view IP68 Neon Flex. Use for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-500 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 100mm **Bend Direction** Horizontally **Minimum Bend Diameter** 80mm **LED Type** SMD5050 **LED Qty / M** 60pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-500-27A12	2700K	24V DC	12W	150lm	AQS-500-ACC-AL-01 1m Aluminium	D01SM
AQS-500-30A12	3000K	24V DC	12W	340lm	AQS-500-ACC-AL-02 2m Aluminium	D02SF D03SFM
AQS-500-40A12	4000K	24V DC	12W	360lm	AQS-500-ACC-AL-04 1m Polycarbonate	S01SM S02SF
AQS-500-50A12	5000K	24V DC	12W	370lm	AQS-500-ACC-AL-01-SS 316SS mounting clip	S03SFM B01SM
AQS-500-65A12	6500K	24V DC	12W	320lm	AQS-500-ACC-01 Aluminium mounting clip	B02SF*
					AQS-500-ACC-AL2-01 1m Aluminium	B03SFM
					AQS-500-ACC-AL3-02 2m Aluminium	
					AQS-500-ACC-AL4-01 Bendable S Channel	



AQS-500 / RGB

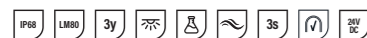
IP68 Neon Flex

AQS-500 is a high output side-view IP68 Neon Flex. Use for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-500 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 100mm **Bend Direction** Horizontally **Minimum Bend Diameter** 80mm **LED Type** SMD5050 **LED Qty / M** 60pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-500-Z1A12	RGB	24V DC	12W	TBA	AQS-500-ACC-AL-01 1m Aluminium	D01SM
					AQS-500-ACC-AL-02 2m Aluminium	D02SF
					AQS-500-ACC-AL-04 1m Polycarbonate	D03SFM
					AQS-500-ACC-AL-01-SS 316SS mounting clip	S01SM
					AQS-500-ACC-01 Aluminium mounting clip	S02SF
					AQS-500-ACC-AL2-01 1m Aluminium	S03SFM
					AQS-500-ACC-AL3-02 2m Aluminium	B01SM
						B02SF*
						B03SFM



AQS-500 / RGBW

IP68 Neon Flex

AQS-500 is a high output side-view IP68 Neon Flex. Use for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-500 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 8m **Max Length** (Double Power Feed) 16m
Cut Interval 100mm **Bend Direction** Horizontally **Minimum Bend Diameter** 80mm **LED Type** SMD5050 **LED Qty / M** 60pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-500-Z3A17	RGB + 2700K	24V DC	17W	TBA	AQS-500-ACC-AL-01 1m Aluminium	D01SM
AQS-500-Z2A17	RGB + 3000K	24V DC	17W	TBA	AQS-500-ACC-AL-02 2m Aluminium	D02SF
AQS-500-Z0A17 (custom)	RGB + 4000K	24V DC	17W	TBA	AQS-500-ACC-AL-04 1m Polycarbonate	D03SFM
AQS-500-Z4A17	RGB + 6500K	24V DC	17W	TBA	AQS-500-ACC-AL-01-SS 316SS mounting clip	S01SM
					AQS-500-ACC-01 Aluminium mounting clip	S02SF
					AQS-500-ACC-AL2-01 1m Aluminium	S03SFM
					AQS-500-ACC-AL3-02 2m Aluminium	B01SM
						B02SF*
						B03SFM



AQS-500 / DMX

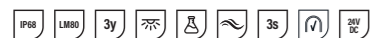
IP68 Neon Flex

AQS-500 is a high output side-view IP68 Neon Flex.
Integrated DMX512 support.



Product Code AQS-500 **IP Rating** IP68 **Working Mode** Constant Voltage (DMX512) **Max Length** (Single Power Feed) 8m **Max Length** (Double Power Feed) 16m
Cut Interval 100mm **Bend Direction** Horizontally **Minimum Bend Diameter** 80mm **LED Type** SMD5050 **LED Qty / M** 70pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

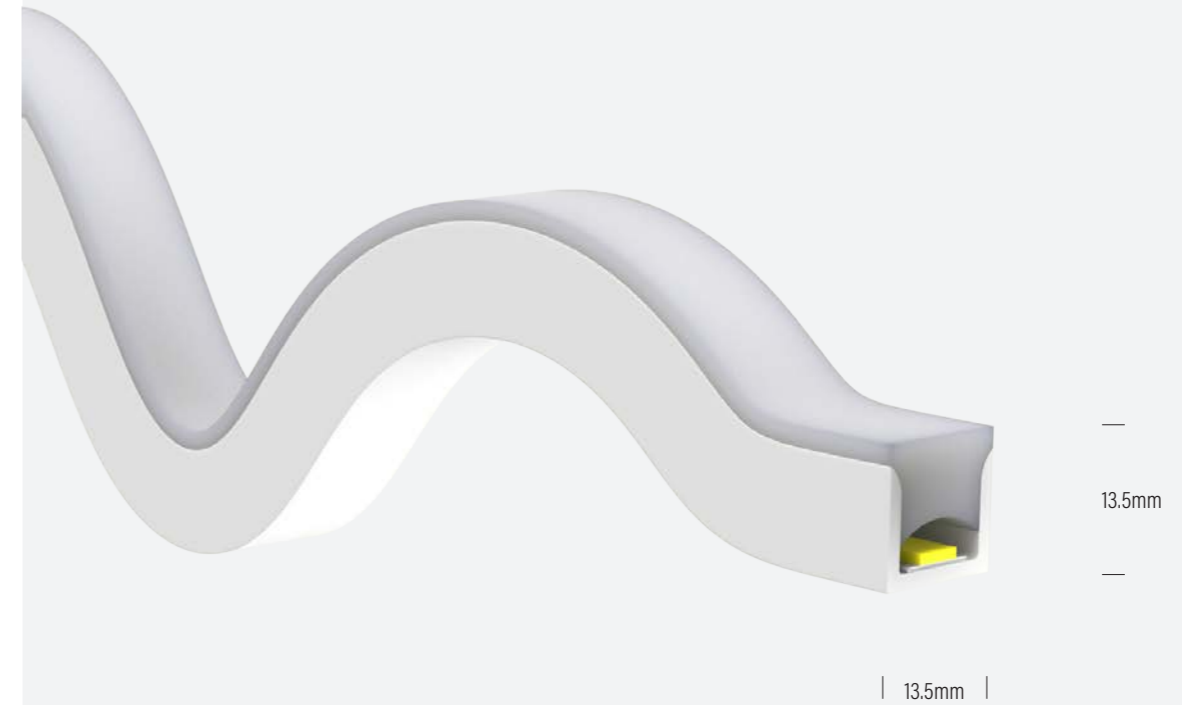
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-500-Z6A18	RGB + 2700K	24V DC	18W	TBA	AQS-500-ACC-AL-01 1m Aluminium	D01SM
					AQS-500-ACC-AL-02 2m Aluminium	D02SF*
					AQS-500-ACC-AL-04 1m Polycarbonate	D03SFM
					AQS-500-ACC-AL-01-SS 316SS mounting clip	S01SM
					AQS-500-ACC-01 Aluminium mounting clip	S02SF
					AQS-500-ACC-AL2-01 1m Aluminium	S03SFM
					AQS-500-ACC-AL3-02 2m Aluminium	B01SM
						B02SF*
						B03SFM



AQS-505 / Mono

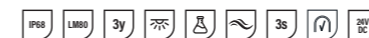
IP68 Neon Flex

The AQS-505 series Neon Flex product is manufactured
in a continuous extrusion process and then manually
terminated with IP68 overmolded cable entry points.
Production tolerances need to be accounted for during
site preparation.



Product Code AQS-505 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 83.3mm **Bend Direction** Vertically **Minimum Bend Diameter** 80mm **LED Type** SMD2835 **LED Qty / M** 144pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

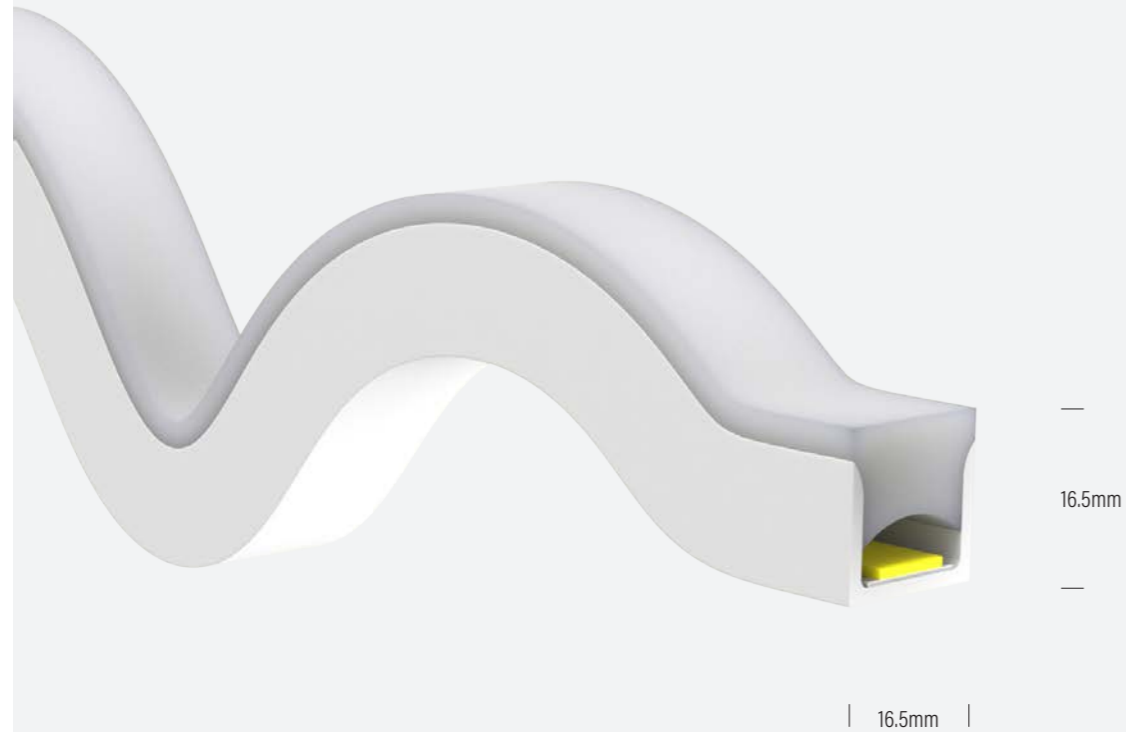
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-505-RDA10	Red	24V DC	10W	175lm	AQS-505-ACC-AL-01 1m Aluminium	D01SM
AQS-505-GNA10	Green	24V DC	10W	529lm	AQS-505-ACC-AL-02 2m Aluminium	D02SF
AQS-505-BUA10	Blue	24V DC	10W	72lm	AQS-505-ACC-01 Aluminium Clip	D03SFM
AQS-505-22A10	2200K	24V DC	10W	430lm		S01SM
AQS-505-27A10	2700K	24V DC	10W	435lm		S02SF
AQS-505-30A10	3000K	24V DC	10W	450lm		S03SFM
AQS-505-35A10	3500K	24V DC	10W	432lm		B01SM
AQS-505-40A10	4000K	24V DC	10W	440lm		B02SF*
AQS-505-45A10	4500K	24V DC	10W	445lm		B03SFM
AQS-505-50A10	5000K	24V DC	10W	430lm		
AQS-505-65A10	6500K	24V DC	10W	442lm		



AQS-510 / Mono

IP68 Neon Flex

AQS-510 is a high output top-view IP68 Neon Flex in variety of CCT variations for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-510 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 83.3mm **Bend Direction** Vertically **Minimum Bend Diameter** 120mm **LED Type** SMD3528 **LED Qty / M** 144pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

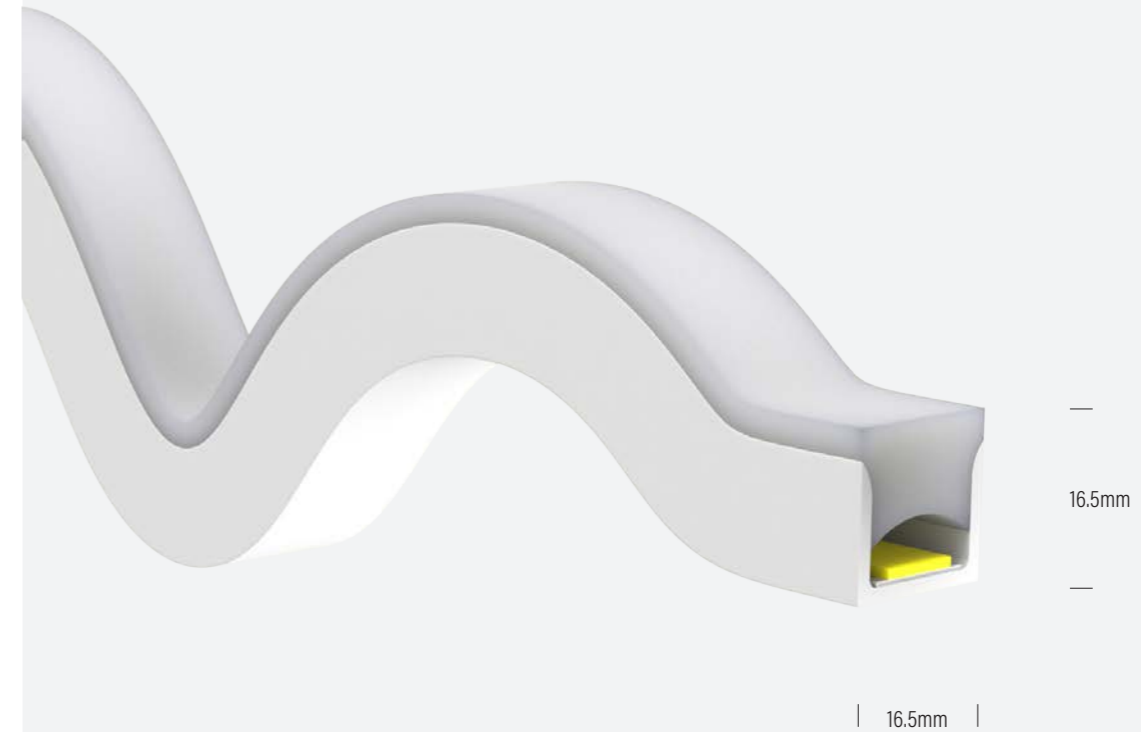
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-510-RDA10	Red	24V DC	10W	109lm	AQS-510-ACC-01 Aluminium Clip	D01SM
AQS-510-GNA10	Green	24V DC	10W	338lm	AQS-510-ACC-02 Aluminium Clip	D02SF*
AQS-510-BUA10	Blue	24V DC	10W	53lm	AQS-510-ACC-AL-01 1m Aluminium	D03SFM
AQS-510-AMA10	Amber	24V DC	10W	110lm	AQS-510-ACC-AL-02 2m Aluminium	S01SM
AQS-510-22A10	2200K	24V DC	10W	358lm	AQS-510-ACC-AL-03 1m Polycarbonate	S02SF
AQS-510-27A10	2700K	24V DC	10W	459lm	AQS-510-ACC-01-SS 316SS Mounting Clip	S03SFM
AQS-510-30A10	3000K	24V DC	10W	450lm		B01SM
AQS-510-35A10	3500K	24V DC	10W	414lm		B02SF*
AQS-510-40A10	4000K	24V DC	10W	460lm		B03SFM
AQS-510-45A10	4500K	24V DC	10W	484lm		
AQS-510-50A10	5000K	24V DC	10W	540lm		
AQS-510-65A10	6500K	24V DC	10W	521lm		



AQS-510 / RGB

IP68 Neon Flex

AQS-510 is a high output top-view IP68 Neon Flex in RGB for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-510 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 10m **Max Length** (Double Power Feed) 20m
Cut Interval 83.3mm **Bend Direction** Vertically **Minimum Bend Diameter** 120mm **LED Type** SMD5050 **LED Qty / M** 72pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

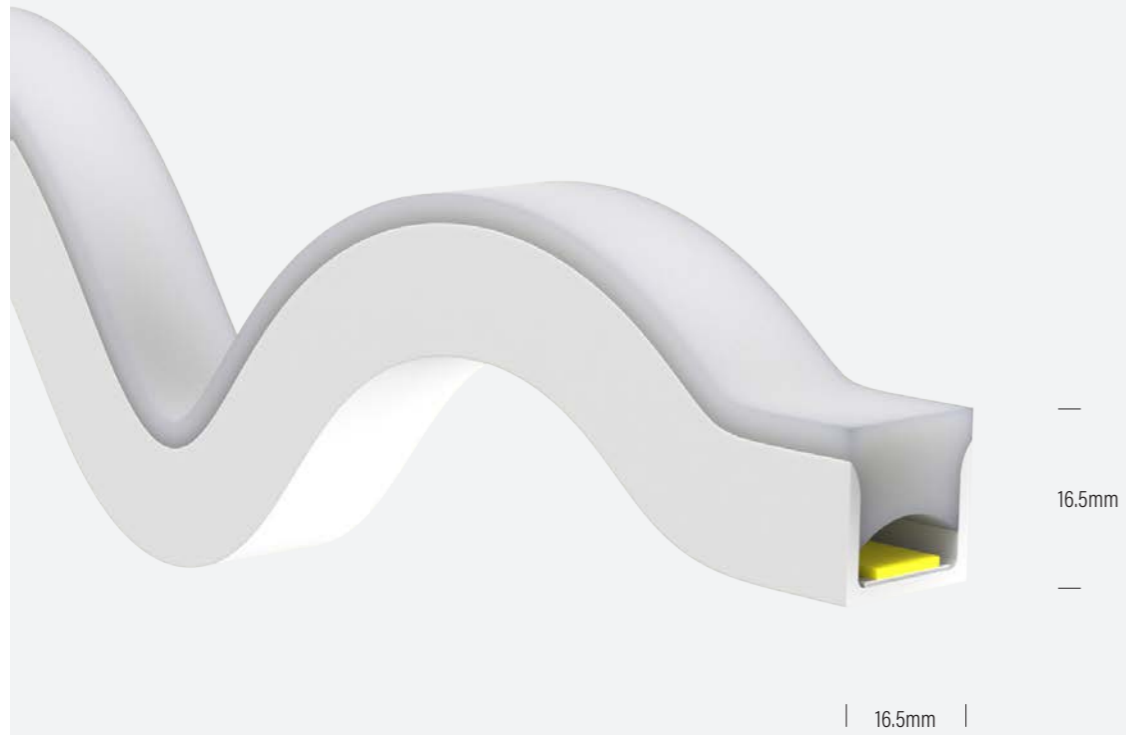
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-510-Z1A13	RGB	24V DC	13W	TBA	AQS-510-ACC-01 Aluminium Clip	D01SM
					AQS-510-ACC-02 Aluminium Clip	D02SF*
					AQS-510-ACC-AL-01 1m Aluminium	D03SFM
					AQS-510-ACC-AL-02 2m Aluminium	S01SM
					AQS-510-ACC-AL-03 1m Polycarbonate	S02SF
					AQS-510-ACC-01-SS 316SS Mounting Clip	S03SFM
						B01SM
						B02SF*
						B03SFM



AQS-510 / RGBW

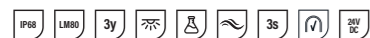
IP68 Neon Flex

AQS-510 is a high output top-view IP68 Neon Flex in RGBW for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-510 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 8m **Max Length** (Double Power Feed) 16m
Cut Interval 100mm **Bend Direction** Vertically **Minimum Bend Diameter** 120mm **LED Type** SMD5050 **LED Qty / M** 60pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-510-Z3A17	RGB + 2700K	24V DC	17W	TBA	AQS-510-ACC-01 Aluminium Clip	D01SM
					AQS-510-ACC-02 Aluminium Clip	D02SF*
					AQS-510-ACC-AL-01 1m Aluminium	D03SFM
					AQS-510-ACC-AL-02 2m Aluminium	S01SM
					AQS-510-ACC-AL-02 2m Aluminium	S02SF
					AQS-510-ACC-AL-02 2m Aluminium	S03SFM
					AQS-510-ACC-AL-03 1m Polycarbonate	B01SM
					AQS-510-ACC-01-SS 316SS Mounting Clip	B02SF*
						B03SFM



AQS-510 / DMX

IP68 Neon Flex

AQS-510 is a high output top-view IP68 Neon Flex with native DMX512 support. Use for external facade illumination, pool copings, in-pavement channels and exterior wall grazing where substantial moisture and mechanical protection is required.



Product Code AQS-510 **IP Rating** IP68 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 8m **Max Length** (Double Power Feed) 16m
Cut Interval 100mm **Bend Direction** Vertically **Minimum Bend Diameter** 120mm **LED Type** SMD5050 **LED Qty / M** 70pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** Eco PVC
Emission Angle 120° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

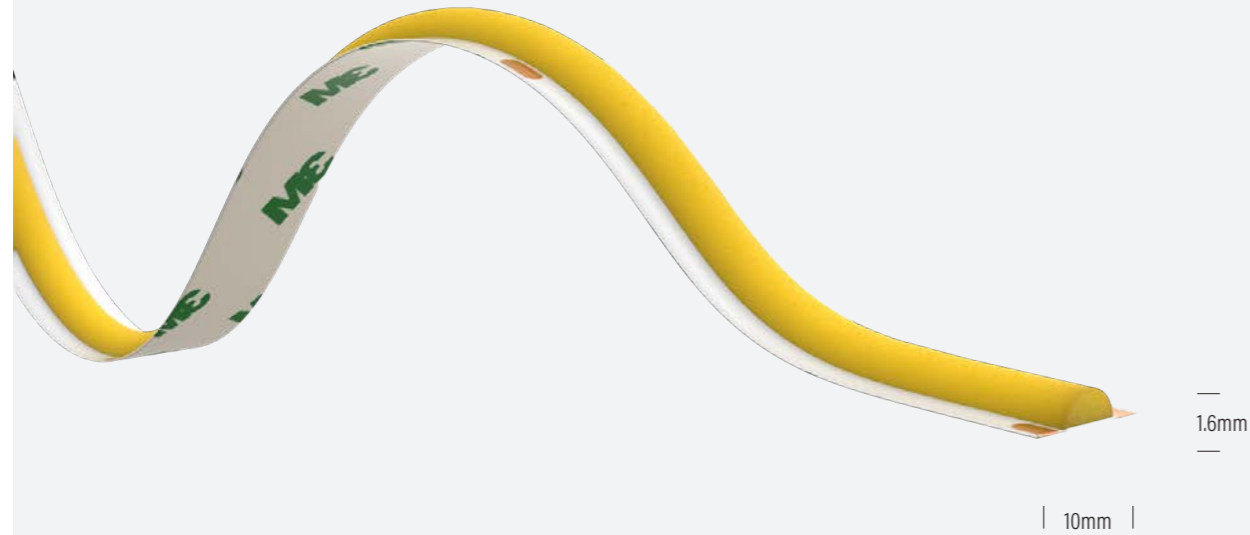
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-510-Z6A18	RGB + 2700K	24V DC	18W	TBA	AQS-510-ACC-01 Aluminium Clip	D01SM
					AQS-510-ACC-02 Aluminium Clip	D02SF*
					AQS-510-ACC-AL-01 1m Aluminium	D03SFM
					AQS-510-ACC-AL-02 2m Aluminium	S01SM
					AQS-510-ACC-AL-02 2m Aluminium	S02SF
					AQS-510-ACC-AL-02 2m Aluminium	S03SFM
					AQS-510-ACC-AL-02 2m Aluminium	B01SM
					AQS-510-ACC-AL-03 1m Polycarbonate	B02SF*
					AQS-510-ACC-01-SS 316SS Mounting Clip	B03SFM



AQS-170 / Mono

IP20 COB Strip

AQS-170 is the latest technology in LED Strip lighting. Use for internal illumination, the COB LED Strip minimises the issue of dark LED dots for a clean continuous linear light source.



Product Code AQS-170 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m **Cut Interval** 31.25mm

Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** Sanan COB **LED Qty / M** 528pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** 3M Adhesive Backing

Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

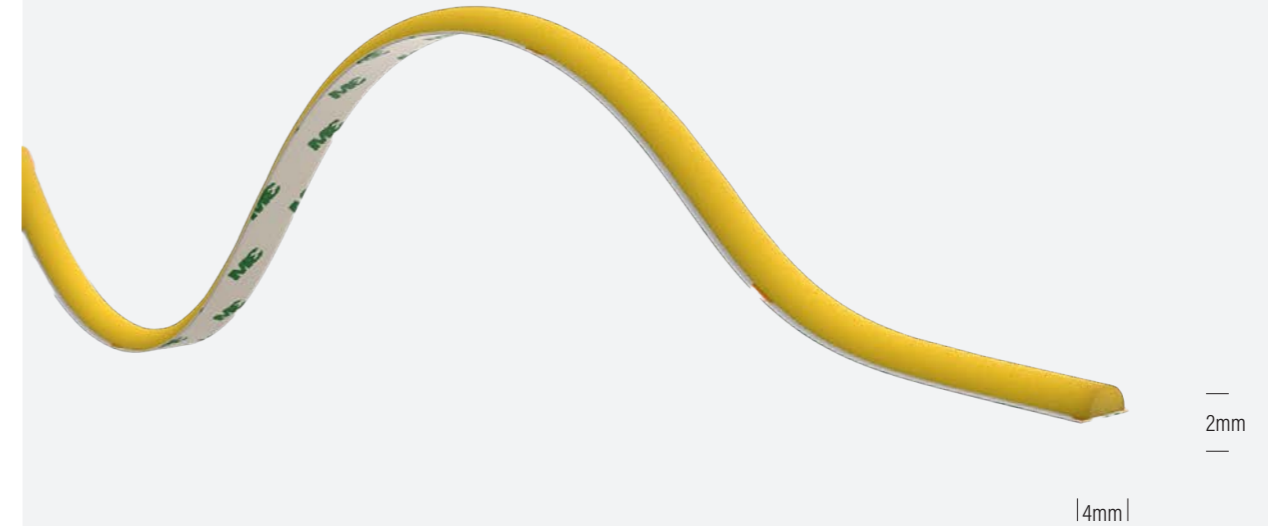
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-170-27A5	2700K	24V DC	5W	482lm	AQS-170-ACC-04 1m Aluminium	AQS-170-ACC-01 Fast Connectors
AQS-170-30A5	3000K	24V DC	5W	519lm		
AQS-170-40A5	4000K	24V DC	5W	575lm	AQS-170-ACC-05 2m Aluminium	AQS-170-ACC-02 Fast Connect - PCB to 15cm bare wire
AQS-170-50A5	5000K	24V DC	5W	600lm		
AQS-170-27A10	2700K	24V DC	10W	957lm		AQS-170-ACC-03 Interconnect - PCB to 15cm wire to PCB
AQS-170-30A10	3000K	24V DC	10W	1029lm		
AQS-170-40A10	4000K	24V DC	10W	1138lm		
AQS-170-50A10	5000K	24V DC	10W	1200lm		
AQS-170-20A15	2000K	24V DC	15W	1200lm		
AQS-170-27A15	2700K	24V DC	15W	1418lm		
AQS-170-30A15	3000K	24V DC	15W	1527lm		
AQS-170-40A15	4000K	24V DC	15W	1690lm		
AQS-170-50A15	5000K	24V DC	10W	1750lm		



AQS-172 / Mono

IP20 COB Strip

AQS-172 is the latest technology in LED Strip lighting with a maximum width of only 4mm, making the thinnest COB strip available to date. Use for internal illumination, the COB LED Strip minimises the issue of LED dots for a clean continuous linear light source.



Product Code AQS-172 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m **Cut Interval** 31.25mm

Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** Sanan COB **LED Qty / M** 360pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** 3M Adhesive Backing

Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

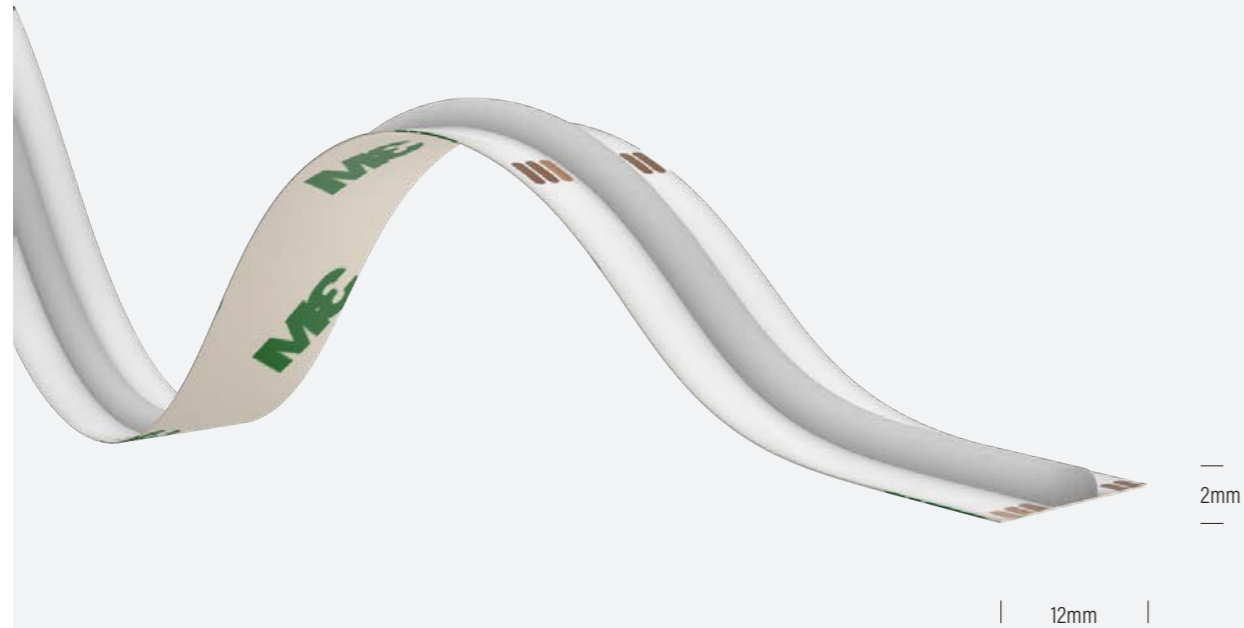
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-172-20A05	2000K	24V DC	5W	400lm	AQS-172-ACC-01 (2m) Aluminium	AQS-170-ACC-01
AQS-172-27A05	2700K	24V DC	5W	507lm		AQS-170-ACC-02
AQS-172-30A05	3000K	24V DC	5W	520lm		AQS-170-ACC-03
AQS-172-40A05	4000K	24V DC	5W	565lm		
AQS-172-65A05	6500K	24V DC	5W	580lm		



AQS-173 / Mono

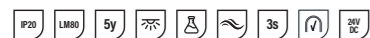
IP20 COB Strip

AQS-173 is the latest technology in Mono COB Strip lighting. Use for internal illumination, the COB LED Strip minimises the issue of LED dots for a clean continuous linear light source.



Product Code AQS-173 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m **Cut Interval** 27.78mm
Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** Sanan COB **LED Qty / M** 576pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** 3M Adhesive Backing
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 5 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-173-20A20	2000K	24V DC	20W	1140lm	AQS-100-AL-001-2.5M-BK Aluminium Profile	2-wire tails to length
AQS-173-27A20	2700K	24V DC	20W	1420lm	AQS-100-AL-001-2.5M-SC Aluminium Profile	
AQS-173-30A20	3000K	24V DC	20W	1633lm	AQS-100-AL-001-2.5M-WH Aluminium Profile	
AQS-173-40A20	4000K	24V DC	20W	1740lm	AQS-100-AL-001-2.5M-WH Aluminium Profile	
					AQS-100-AL-02-1M Aluminium Profile	
					AQS-100-AL-02-2M Aluminium Profile	
					AQS-100-AL-02-2.5M Aluminium Profile	



AQS-173 / RGBW

IP20 COB Strip

AQS-173 is the latest technology in RGB+3000K COB Strip lighting. Use for internal illumination, the COB LED Strip minimises the issue of LED dots for a clean continuous linear light source.



Product Code AQS-173 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m **Cut Interval** 50mm
Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** Sanan COB **LED Qty / M** 560pcs **Lumen Maintenance** 50,000 Hours L70@50°C **Materials** 3M Adhesive Backing
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 5 Year Aqualux Warranty

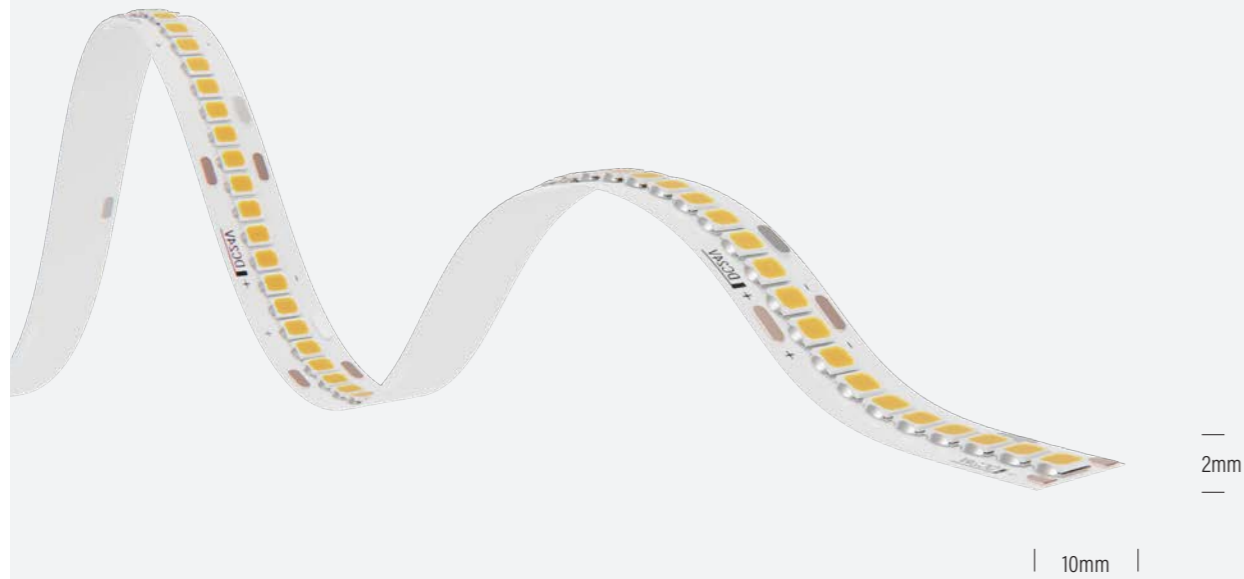
Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-173-ZZA16	RGB + 3000K		16W	465lm - 630lm	AQS-100-AL-001-2.5M-BK Aluminium Profile	2-wire tails to length
					AQS-100-AL-001-2.5M-SC Aluminium Profile	
					AQS-100-AL-001-2.5M-WH Aluminium Profile	
					AQS-100-AL-02-1M Aluminium Profile	
					AQS-100-AL-02-2M Aluminium Profile	
					AQS-100-AL-02-2.5M Aluminium Profile	



AQS-180 / Ultra

High Powered COB Strip

AQS-180 is a high-output, ultra-efficient 2835-based LED Strip. Used for internal illumination, the AQS-180 features 90+ CRI, < 3 SDCM for consistent appearance and a heavy-duty 3 OZ Copper base for improved heat management.



Product Code AQS-180 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM / DMX) **Max Length** (Single Power Feed) 5m **Max Length** (Double Power Feed) 10m **Cut Interval** 29.4mm
Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** COB **LED Qty / M** 272pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** 3M Adhesive Backing
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 5 Year Aqualux Warranty (Must be mounted in Aluminium Extrusion)

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-180-20A20	2000K	24V DC	20W	1140lm	AQS-100-AL-001-2.5M-BK Aluminium Profile	2-wire tails to length
AQS-180-27A20	2700K	24V DC	20W	1420lm	AQS-100-AL-001-2.5M-SC Aluminium Profile	
AQS-180-30A20	3000K	24V DC	20W	1633lm	AQS-100-AL-001-2.5M-WH Aluminium Profile	
AQS-180-40A20	4000K	24V DC	20W	1740lm	AQS-100-AL-001-2.5M-WH Aluminium Profile	
					AQS-100-AL-02-1M Aluminium Profile	
					AQS-100-AL-02-2M Aluminium Profile	
					AQS-100-AL-02-2.5M Aluminium Profile	



AQS-170 / Box Kits

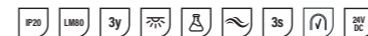
Complete 5m Kit

KIT CONTENTS
 5m x 24V DC 3000K COB Strip
 1 x 24V DC 30W Power Supply
 2 x Fast Connectors and 15cm Tails
 (No Soldering Required)



Product Code AQS-170 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Cut Interval** 31.25mm **Cut Interval** 31.25mm
Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** Sanan COB **LED Qty / M** 528pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** 3M Adhesive Backing
Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-170-30A5-B-5M	3000K	24V DC	5W	375lm	AQS-170-ACC-04 1m Aluminium	AQS-170-ACC-01 Fast Connectors
AQS-170-40A5-B-5M	4000K	24V DC	5W	405lm	AQS-170-ACC-05 2m Aluminium	AQS-170-ACC-02 Fast Connect - PCB to 15cm bare wire
AQS-170-65A5-B-5M	6500K	24V DC	5W	411lm		AQS-170-ACC-03 Interconnect - PCB to 15cm wire to PCB



AQS-172 / Box Kit

Complete 5m Kit

KIT CONTENTS

5m x 24V DC 3000K COB Strip
 1 x 24V DC 30W Power Supply
 2 x 15cm Tails
 (Soldering Required)

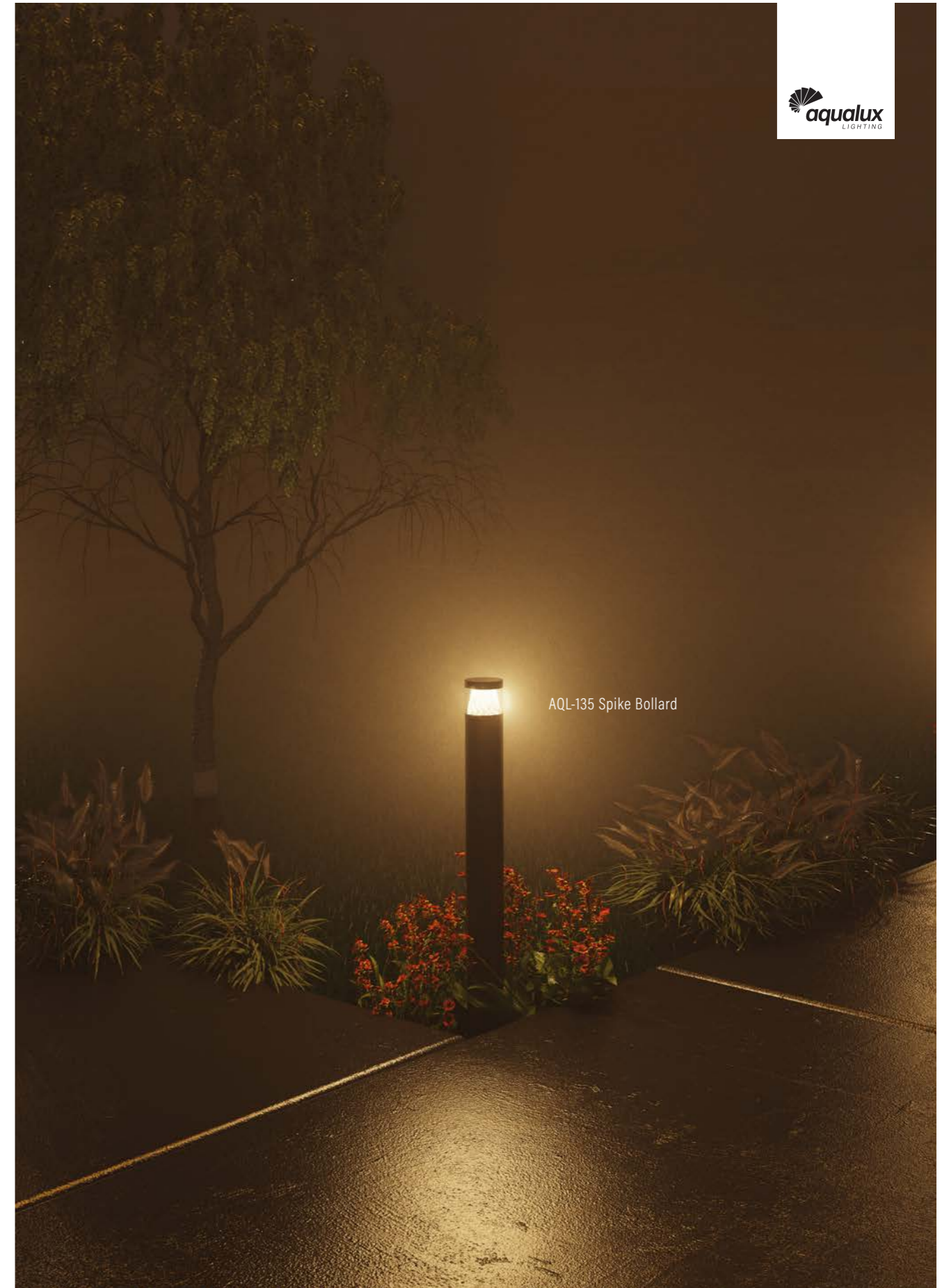
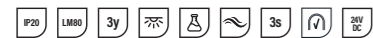


Product Code AQS-172 **IP Rating** IP20 **Working Mode** Constant Voltage (PWM) **Max Length** (Single Power Feed) 5m **Cut Interval** 31.25mm

Bend Direction Vertically **Minimum Bend Diameter** 50mm **LED Type** Sanan COB **LED Qty / M** 360pcs **Lumen Maintenance** 50,000 Hours L70@ 50°C **Materials** 3M Adhesive Backing

Emission Angle 180° **Operating Temperature** -20° to +40°C **Installation Temperature** 5° to +35°C **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts P/M	Lumens P/M	Extrusion	Cable Entry
AQS-172-30A05-B-5M	3000K	24V DC	5W	507lm	AQS-172-ACC-01 (2m) Aluminium	AQS-170-ACC-01
AQS-172-40A05-B-5M	4000K	24V DC	5W	520lm		AQS-170-ACC-02
AQS-172-65A05-B-5M	6500K	24V DC	5W	565lm		AQS-170-ACC-03
				580lm		



AQL-135 Spike Bollard

AQS Mounting Extrusions

A range of Neon Flex extrusion and mounting clips in Polycarbonate, Aluminium and Stainless Steel.



AQS-100-AL-001-2.5M
Aluminium / Silver / Black / White
8mm H x 17.1mm W x 2m or 2.5m L



AQS-100-AL-02-2.5M
Aluminium / Silver / Black / White
9mm H x 17.3mm W x 2m or 2.5m L



AQS-EXT-003-250-A1
Aluminium / PMMA Diffuser
16mm H x 16mm W x 2m L



AQS-170-ACC-04
Aluminium / PMMA Diffuser
4mm H x 18mm W x 2m L



AQS-172-ACC-02
Aluminium / PMMA Diffuser
9mm H x 7.6mm W x 2m L



AQS-400-ACC-01
Polycarbonate clip
8.75mm H x 13.2mm W



AQS-400-ACC-04
Polycarbonate
8.25mm H x 13.5mm W x 2m L



AQS-401-ACC-02
Aluminium
12.85mm H x 12.4mm W x 2m L



AQS-401-ACC-03
Aluminium Clip
7.55mm H x 11.5mm W



AQS-402-ACC-02
Bendable S Channel
11mm H x 8mm W x 2m L



AQS-402-ACC-03
Aluminium Clip
13mm H x 7.5mm W



AQS-402-ACC-04
Aluminium
13mm H x 8mm W x 2m L



AQS-410-ACC-01
Polycarbonate Clip
9.1mm H x 15.5mm W



AQS-410-ACC-04
Aluminium
9.1mm H x 15.5mm W x 2m L



AQS-420-ACC-02
Stainless Steel Clip
14.6mm H x 12.85mm W



AQS-420-ACC-03
Aluminium
24.4mm H x 15.7mm W x 2m L



AQS-421-ACC-01
Stainless Steel Clip
12.5mm H x 16.8mm W



AQS-421-ACC-03
Aluminium
17.6mm H x 20.5mm W x 2m L



AQS-500-ACC-AL4-01
Bendable S Channel
27mm H x 16.5mm W



AQS-500-ACC-AL-02
Aluminium
24.4mm H x 15.1mm W x 2m L



AQS-500-ACC-AL-01-SS
316SS mounting clip
3mm H x 14.5mm W



AQS-500-ACC-01
Aluminium mounting clip
24.4mm H x 15.15mm W



AQS-500-ACC-AL3-02
Aluminium
21.5mm H x 13.5mm W x 2m L



AQS-505-ACC-01
Aluminium Clip
16.85mm H x 15.3mm W



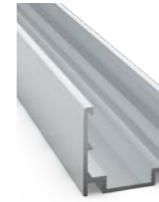
AQS-505-ACC-AL-02
Aluminium
17mm H x 15mm W x 2m L



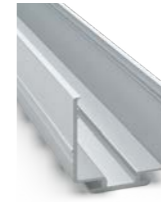
AQS-510-ACC-01
Aluminium Clip
19.6mm H x 20.4mm W



AQS-510-ACC-02
Aluminium Clip
19.75mm H x 20.5mm W x 2m L



AQS-510-ACC-AL-02
Aluminium
19.6mm H x 18.8mm W x 2m L



AQS-510-ACC-AL2-02
Aluminium
21.75mm H x 21mm W x 2m L



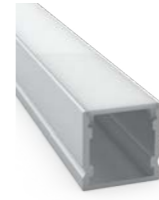
AQS-510-ACC-01-SS
316SS Mounting Clip
20mm H x 20mm W



AQS-EXT-004
Aluminium / Silver / Black / White
18.4mm H x 18.4mm W x 2m L



AQS-EXT-005
Aluminium / Black / White
35mm H x 35mm W x 2m L



AQS-EXT-006
Aluminium / Silver / Black / White
20mm H x 20mm W x 2m L



AQS-EXT-007
Aluminium / Silver / Black / White
12mm H x 16mm W x 2m L



AQS-EXT-008
Aluminium / Silver / Black / White
11mm H x 27.06mm W x 2m L



AQS-EXT-009
Aluminium / Silver / Black / White
26.1mm H x 21.3mm W x 2m L



AQS-EXT-010
Aluminium / Silver / Black / White
12mm H x 12.8mm W x 2m L



AQS-EXT-011
Aluminium / White
14mm H x 53.1mm W x 2m L



AQS-EXT-012
Aluminium / White
26mm H x 46mm W x 2m L



AQS-EXT-013
Aluminium / White
96mm H x 18.5mm W x 2m L



AQS-EXT-014
Aluminium / White
18.5mm H x 43.9mm W x 2m L



AQS-EXT-015
Aluminium / White
13mm H x 61.7mm W x 2m L

Neon Flex and Strip Lighting lengths

When measuring Neon Flex and Strip Lighting lengths for your project, don't forget to consider the requirements necessary for an accurate cut.

Cut intervals

Neon Flex and Strip Lighting have fixed cut intervals, these cut intervals determine the overall length, each product has its own cut interval length.

Tolerances

Remember to allow for manufacturing tolerances when designing your strip lighting solution. These are mentioned in the datasheet.

Power supply

Single and double-ended power supplies need to be considered. Each product will have a maximum single-end run length before a double-end power supply is needed. There is a maximum double-end power supply run length before a new circuit is required.

Extrusions

Extrusions are made to fit specific products using clips and channels in Stainless Steel, Polycarbonate, or Aluminium. Most common lengths are straight, although some products offer bendable options.

Cable entry

All products have a cable entry point. Some products have only one option, while other products offer side, bottom, or direct cable entry points.

Gaps and endcaps

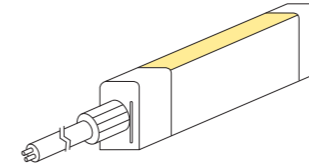
Physical allowances need to be made when using products with endcaps and cable entry points. Check how long the endcap and cable entry is, they usually do not fit into the extrusion. The type of cable entry (side, bottom, or direct) will determine how much of an allowance is necessary for safe use.

Minimal tolerances need to be met. Before creating a run-length using multiple lengths, including the placement of cable entry points to power supplies.

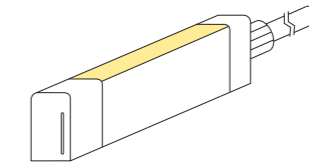
Cable Entry Options

Not all cable entry options are available on every product.

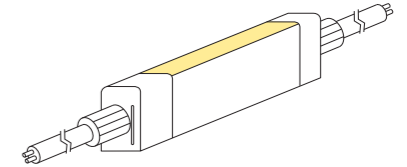
Direct Cable Entry



D01



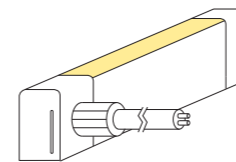
D02*



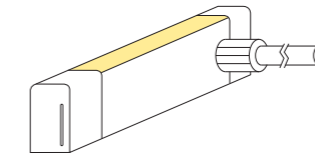
D03

*for use in DMX / SPI signal flow directions.

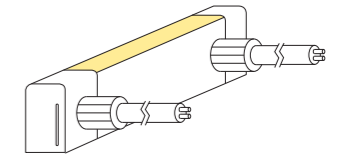
Side Cable Entry



S01

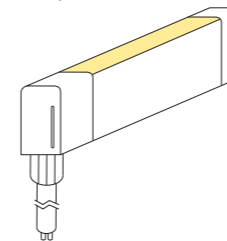


S02

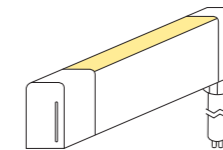


S03

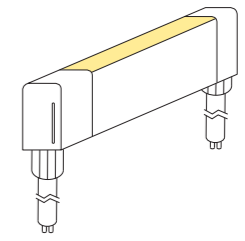
Bottom Cable Entry



B01



B02*



B03

*for use in DMX / SPI signal flow directions.



AQL-600 Series

AQL-600 Series

The AQL-600 series is a minimalist up, down or up/down wall light made from Cast Aluminium and Powder Coated for durability.

The simple design and output are perfect for illuminating columns and entry areas.



AQL-600



AQL-601



AQL-602



AQL-603

AQL-600

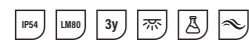
Prism Wall Downlight

A simple prism shaped wall light with a single light output which can be faced down or up.



Product Code AQL-600 **Product Family** AQL-600 Series **Function** Prism Wall Downlight **Construction** Cast Aluminium + Powder Coat
Electrical 24V DC Dimming: 10V PWM / 240V Dimming: No **IP Rating** IP54 **Warranty** 3 Year Aqualux Warranty

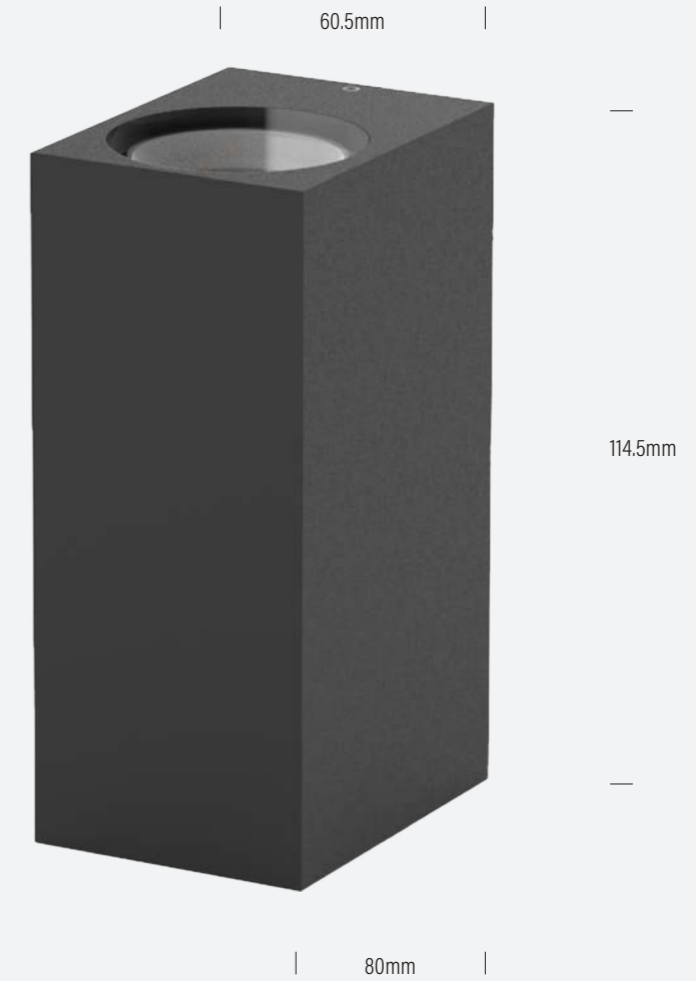
Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Silver Reign PC <input checked="" type="checkbox"/> Matt Black PC (Stocked) <input type="checkbox"/> Medium Bronze PC <input type="checkbox"/> Venerable Silver PC <input type="checkbox"/> Matt White PC	24V DC Dimming: 10V PWM 240V Dimming: No	<input checked="" type="checkbox"/> 7W / 615lm / 3000K	Flood (70°)	Terminal Block



AQL-601

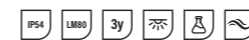
Prism Wall Up / Down Light

A simple prism shaped wall light with a single light for down or up illumination.



Product Code AQL-601 **Product Family** AQL-600 Series **Function** Prism Wall Up / Down Light **Construction** Cast Aluminium + Powder Coat
Electrical 24V DC Dimming: 10V PWM / 240V Dimming: No **IP Rating** IP54 **Warranty** 3 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input type="checkbox"/> Silver Reign PC <input checked="" type="checkbox"/> Matt Black PC (Stocked) <input type="checkbox"/> Medium Bronze PC <input type="checkbox"/> Venerable Silver PC <input type="checkbox"/> Matt White PC	24V DC Dimming: 10V PWM 240V Dimming: No	<input checked="" type="checkbox"/> 14W / 1230lm / 3000K	Flood (70°)	Terminal Block



AQL-602

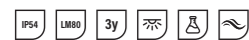
Square Wall Downlight

The AQL-602 is an elegant square wall light for high lighting columns and other architectural elements. Featuring a 7W 3000K CREE LED and a soft falloff 70D optic, it also comes with a removable slotted gobo for creating a dramatic slit effect.



Product Code AQL-602 **Product Family** AQL-600 Series **Function** Prism Wall Downlight **Construction** Cast Aluminium + Powder Coat
Electrical 24V DC Dimming: 10V PWM / 240V Dimming: No **IP Rating** IP54 **Warranty** 3 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Matt White PC	24V DC Dimming: 10V PWM 240V Dimming: No	7W / 615lm / 3000K	Flood (70°)	Terminal Block



AQL-603

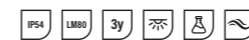
Square Wall Up / Down Light

The AQL-603 is an elegant square wall Up / Down light for high lighting columns and other architectural elements. Featuring a 14W 3000K CREE LED and a soft falloff 70D optic, it also comes with a removable slotted gobo for creating a dramatic slit effect.



Product Code AQL-603 **Product Family** AQL-600 Series **Function** Square Wall Up / Down Light **Construction** Cast Aluminium + Powder Coat
Electrical 24V DC Dimming: 10V PWM / 240V Dimming: No **IP Rating** IP54 **Warranty** 3 Year Aqualux Warranty

Finish	Control Gear	Light Source	Optical	Cable
<input checked="" type="checkbox"/> Matt Black PC <input type="checkbox"/> Matt White PC	24V DC Dimming: 10V PWM 240V Dimming: No	14W / 1230lm / 3000K	Flood (70°)	Terminal Block





AQL-900 Series

AQL-900 Series

When high output is essential our AQL-900 series delivers the power to light up car parks, tennis courts and more.

With a large range of options including wireless connectivity and sensors, the AQL-900 series has the power for all conditions.



AQL-931-F100



AQL-931-F200



AQL-931-F300



AQL-931-F400



AQL-931-F500



AQL-931-F600



AQL-931-F800



AQL-931-F1000



AQL-933-F050



AQL-933-F100



AQL-933-F150



AQL-933-F200



AQL-933-F240



AQL-933-F320

AQL-931

High Power LED

Delivering 13000lm to 130000lm in the 100W - 1000W models, the Aqualux 931 series of area lighting LED floodlights are specifically designed for situations where you need the most output from an accessory packed luminaire. NOTE: dimension sizes and power outputs change per variant. Check datasheets below.



Product Code AQL-931 **Product Family** AQL-900 Series **Function** High Power LED **Construction** Cast Aluminium + Black Powder Coat
Electrical 110-277V AC (Custom Driver Options Available) **IP Rating** IP65 **Warranty** 5 Year Aqualux Warranty
Note Dimensions sizes and power outputs change per variant. Check datasheets from the Aqualux website

Product Code	Watts	Light Source	Optical	Lumens
AQL-931-F100	100W	3000K	15°	13000
AQL-931-F200	200W	4000K	30°	25000
AQL-931-F3100	300W	5700K	45°	39000
AQL-931-F400	400W	6500K	60°	52000
AQL-931-F500	500W		90°	65000
AQL-931-F600	600W		45°*85°	78000
AQL-931-F800	800W			104000
AQL-931-F1000	1000W			130000



AQL-931-F200



AQL-931-F300



AQL-931-F400



AQL-931-F500



AQL-931-F600



AQL-931-F800



AQL-931-F1000

AQL-933

High Powered LED

Delivering 8,500lm to 54,400lm in the 50W - 320W models, the Aqualux 933 series of area lighting LED floodlights are designed for situations where you need high output from an accessory packed luminaire. NOTE: dimension sizes and power outputs change per



AQL-933-F100



AQL-933-F150



AQL-933-F200



AQL-933-F240



AQL-933-F320

Product Code AQL-933 **Product Family** AQL-900 Series **Function** High Power LED **Construction** Cast Aluminium + Black Powder Coat
Electrical AC100-277V, 47-63Hz **Power Efficiency** +90% **Lumen Efficiency** 170lm/W **IP Rating** IP66 **Warranty** 5 Year Aqualux Warranty
Note Dimensions sizes and power outputs change per variant. Check datasheets from the Aqualux website

Product Code	Watts	Light Source	Optical	Lumens
AQL-933-F050	50W	3000K	30°	8500
AQL-933-F100	100W	4000K	60°	17000
AQL-933-F150	1500W	5700K	90°	25500
AQL-933-F200	200W	6500K	Type 2M	34000
AQL-933-F240	240W		Type 3M	40800
AQL-933-F320	320W		Type 4M	54400





String Lighting

String Lighting

Commercial-grade festoons and fairy lights in kits or cut to specific lengths are perfect to brighten your outdoor areas for residential or commercial projects.

Festoon comes in a range of spacings and globe options including CCT and size variants.



AQF-C-025B



AQF-C-050B



AQF-C-100B



AQF-FL-GWW-5M



AQF-FL-GWW-10M



AQF-FL-GWW-20M

AQF-Festoon

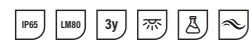
Commercial grade festoon lighting

Commercial grade IP65 LED
Festoon lighting.



Product Code AQF-C **Product Family** String Lighting **Function** Commercial grade festoon lighting **Construction** PVC Rubber and Polycarbonate Lens
Electrical 24V AC or DC **Cable** Twin Core 1.5mm square cable **IP Rating** IP65 **Warranty** 3 Year Aqualux Warranty **Note** Runs over 3m require catenary support wire

Product Code	Lamp Spacing	Voltage	Watts Per/Meter	Lumens Per/Meter
AQF-C-025B	25cm	24V AC or DC	Lamp Dependant	Lamp Dependant
AQF-C-050B	50cm			
AQF-C-100B	100cm			



AQF-Fairy Lights

Commercial grade fairy lighting

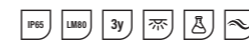
Commercial grade IP65 LED
Fairy lighting.

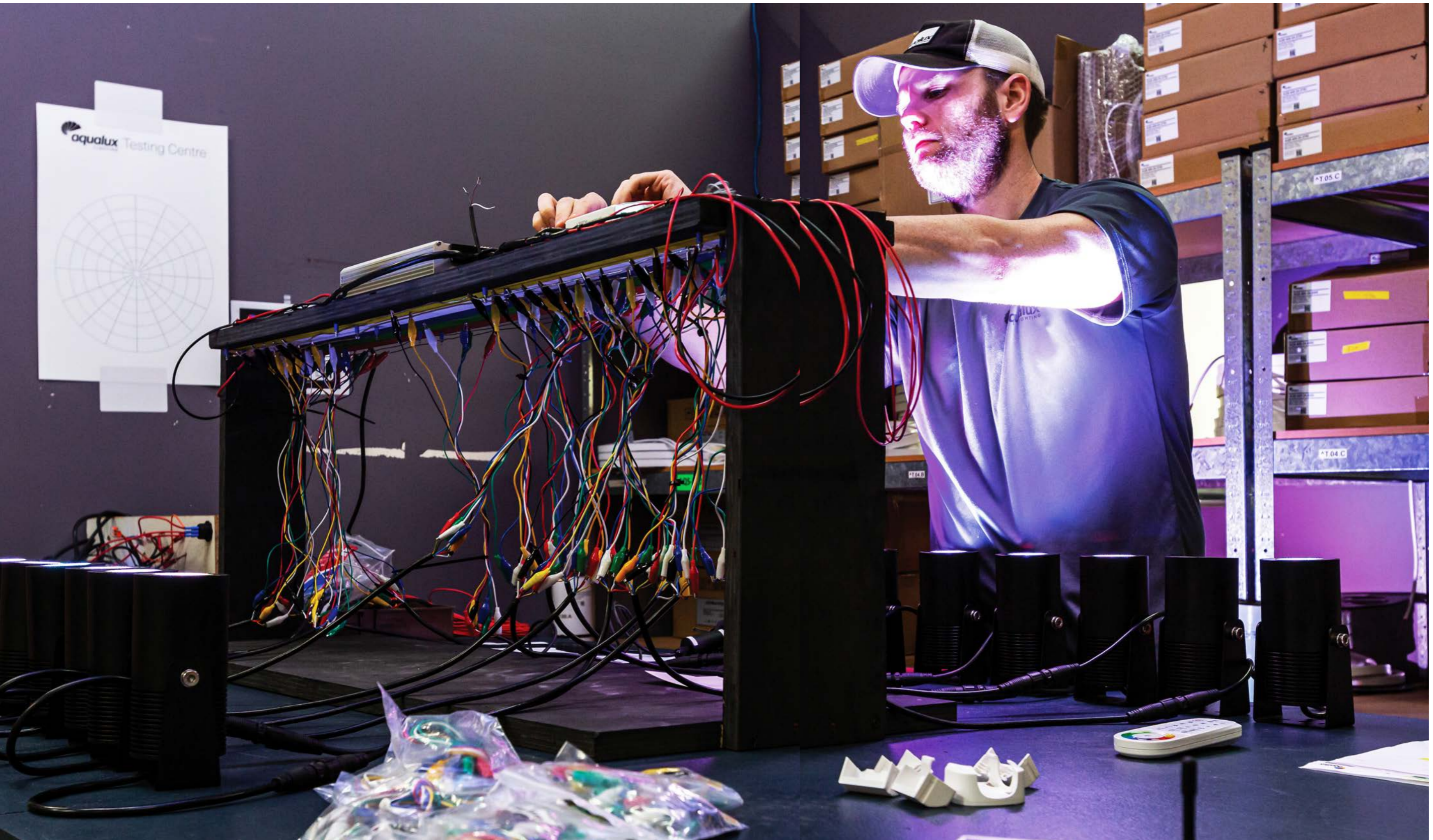


Product Code AQF-FL **Product Family** String Lighting **Function** Commercial grade fairy lighting **Construction** PVC Rubber and Polycarbonate Lens
Electrical 24V DC **Cable** 3*0.3mm Round Cable **IP Rating** IP65 **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts Per/Meter	LEDs Per/Meter
AQF-GWW-5M	2200K	24V DC	2.16W	48
AQF-GWW-10M	2200K	24V DC	4.32W	96
AQF-GWW-20M	2200K	24V DC	8.64W	192

Product Code	Description
AQF-FL-C12	Fairy Lights Circlce Connector 12-Way
AQF-FL-L12	Linear Connector
AQF-FL-EXT-5W	Fairy Lights 5m Extension





Control Gear, Lamps & Accessories

In a range of voltages and wattages, our Aquatran AC and DC power supply options are well-known throughout the electrical industry for their durability and reliability.

Control gear is a fast-changing industry segment, we're always staying up-to-date with the latest technology and trends. Contact us to get the right system to work for you.

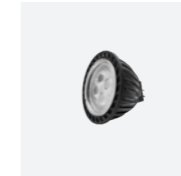
Our AGL MR16 globes are designed specifically for outdoor lighting applications and are well known for their long-term performance and reliability. The range is expanding with new models and variations added regularly.



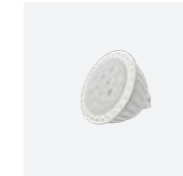
AQO Power Supply



AQD Power Supply



AGL-250



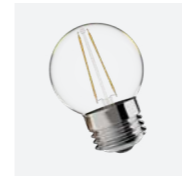
AGL-550



AQF-G-001



AQF-G-002



AQF-G-003



AQF-G-004



AQF-G-005



AQD-400-WIFI 106



AQD-400-T3-CV



AQD-400-T4-RGBW



AQD-400-LT912-OLED



AQD-400-LT916-OLED



AQD-400-LT924-OLED



AQD-400-LT932-OLED

AQO-AC Power

Commercial grade transformer

Australia's leading outdoor power supply. The AQO is a magentic, toroidal based power supply with integrated safety features. Suitable for a wide range of applications wherever 12V or 24V AC SELV power is required.



Product Code AQO **Product Family** Power & Globes **Function** Commercial grade transformer **Construction** Epoxy filled PVC
Electrical 12-24V AC **Cable** 1.8m Flex & Plug **IP Rating** IP67 **Warranty** 10 Year Aqualux Warranty

Product Code	Voltage	Watts
AQO12-020	12 ~ 24V AC Only	20W
AQO12-050	12 ~ 24V AC Only	50W
AQO12-100	12 ~ 24V AC Only	100W
AQO12-200	12 ~ 24V AC Only	200W
AQO24-050	24V AC	50W
AQO24-100	24V AC	100W
AQO24-200	24V AC	200W



AQD-DC Power

Commercial grade transformer

The AQD range of IP67 24V DC power supplies is suitable for a wide range of constant-voltage 24V LED systems, including the Aqualux Lumena System and AQS Strip lighting.



Product Code AQD **Product Family** Power & Globes **Function** Commercial grade transformer **Construction** Epoxy filled Extruded Aluminium
Electrical 24V DC **Cable** 1.2M Flex & Plug **IP Rating** IP67 **Warranty** 5 Year Aqualux Warranty

Product Code	Voltage	Watts	Current
AQD24-040	24V DC	40W	1.67A
AQD24-100	24V DC	100W	4.17A
AQD24-240	24V DC	240W	10A



AGL-250 / 4W

MR16 LED Globe

The AGL-250 series of 4W LED drop-in lamps are the ideal landscape lighting globe. Delivering around 250lm and operating from 12V - 24V AC/DC, it will compensate for voltage drop across a cable run allow smaller gauge cable to be used, resulting in lower costs and installation headaches.



Product Code AGL-250 **Product Family** Power & Globes **CCT** 3000K / 5700K / Red / Green / Blue / Amber **Input Voltage** 12-24V AC / DC **Optical Beam** 38° FWHM **Luminous Flux** 250lm (3000K) **Power** 4W MR16 **Dimming** Non Dimming **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts Per/Meter	Beam Angles
AGL-250-30X38	3000K	12 ~ 24V AC / DC	4W	10° - 3000K
AGL-250-55X38	5500K			38° - 3000K / 5700K
AGL-250-RDX38	Red			38° - R / G / B / A
AGL-250-BUX38	Blue			60° - 3000K
AGL-250-GNX38	Green			
AGL-250-AMX38	Amber			
AGL-250-30G38	3000K			
AGL-250-55G38	5500K			
AGL-250-30X10	3000K			
AGL-250-30X60	3000K			



AGL-550 / 6W

MR16 LED Globe

The AGL-550 series of 6W LED drop-in lamps are for more demanding applications. Delivering around 550lm and operating from 12V - 24V AC/DC, the AGL-550 series combined with the AGL-250 4W globes give you complete lighting design freedom.



Product Code AGL-550 **Product Family** Power & Globes **CCT** 3000K **Input Voltage** 12-24V AC / DC **Optical Beam** 36° FWHM / 60° FWHM **Luminous Flux** 550lm (36°) **Power** 6W MR16 **Dimming** Non Dimming **Warranty** 3 Year Aqualux Warranty

Product Code	CCT	Voltage	Watts Per/Meter	Beam Angles
AGL-550-30X36	3000K	12 ~ 24V AC / DC	6W	38° - 3000K
AGL-550-30X60	3000K			60° - 3000K



AQF-G-001

E27 Festoon LED Globe



Product Code AQF-G **Product Family** Power & Globes **CCT** 2500K **Input Voltage** 24V AC / DC
Lumen Output 43lm **Mounting** E27 **Power** 0.5W AC / 0.3W DC **Dimming** Yes **Warranty** 3 Year Aqualux Warranty
Note IP44 Globe only / IP65 when installed in AQF-C-XXX

Product Code	CCT	Voltage	Watts Per/Meter	Lumens
AQF-G-001	2500K	24V AC / DC	0.5W AC / 0.3W DC	43lm



AQF-G-002

E27 Festoon LED Globe



Product Code AQF-G **Product Family** Power & Globes **CCT** 2000K **Input Voltage** 24V AC / DC
Lumen Output 40lm **Mounting** E27 **Power** 0.5W AC / 0.3W DC **Dimming** Yes **Warranty** 3 Year Aqualux Warranty
Note IP44 Globe only / IP65 when installed in AQF-C-XXX

Product Code	CCT	Voltage	Watts Per/Meter	Lumens
AQF-G-002	2000K	24V AC / DC	0.5W AC / 0.3W DC	40lm



AQF-G-003

E27 Festoon Filament Globe



Product Code AQF-G **Product Family** Power & Globes **CCT** 2200K / 2700K **Input Voltage** 24V AC / DC
Lumen Output 80 / 91lm **Mounting** E27 **Power** 1.5W AC / 0.3W DC **Dimming** Yes **CRI**+90 **Warranty** 3 Year Aqualux Warranty
Note IP44 Globe only / IP65 when installed in AQF-C-XXX

Product Code	CCT	Voltage	Watts Per/Meter	Lumens
AQF-G-003	2200K	24V AC / DC	1.5W AC / 0.5W DC	82lm
	2700K	24V AC / DC	1.5W AC / 0.5W DC	91lm

3y

AQF-G-004

E27 Festoon Filament Globe



Product Code AQF-G **Product Family** Power & Globes **CCT** 2200K / 2700K **Input Voltage** 24V AC / DC
Lumen Output 166 / 191lm **Mounting** E27 **Power** 3W AC / 0.3W DC **Dimming** Yes **CRI**+90 **Warranty** 3 Year Aqualux Warranty
Note IP44 Globe only / IP65 when installed in AQF-C-XXX

Product Code	CCT	Voltage	Watts Per/Meter	Lumens
AQF-G-004	2200K	24V AC / DC	3W AC / 0.7W DC	166lm
	2700K	24V AC / DC	3W AC / 0.7W DC	191lm

3y

AQF-G-005

E27 Festoon Filament Globe



Product Code AQF-G **Product Family** Power & Globes **CCT** 2200K / 2700K **Input Voltage** 24V AC / DC
Lumen Output 75 / 104lm **Mounting** E27 **Power** 2W AC / 0.3W DC **Dimming** Yes **CRI**+90 **Warranty** 3 Year Aqualux Warranty
Note IP44 Globe only / IP65 when installed in AQF-C-XXX

Product Code	CCT	Voltage	Watts Per/Meter	Lumens
AQF-G-005	2200K	24V AC / DC	2W AC / 0.6W DC	75lm
	2700K		2W AC / 0.6W DC	104lm

3y

AQD-400-Wifi 106

Control Gear



Product Code AQD-400-Wifi 106 **Product Family** Power & Globes **Output Signal** PW-CV Protocol 2.4GHz Wifi, 80211b/g/n **Dimming Range** 0-100%
Control Distance Max 100m (line of sight) **Cable** 2.5mm² **Warranty** 5 Year Aqualux Warranty

Product Code	Input Voltage	Output Voltage	Channels	Output Control
AQD-400-Wifi 106	12V or 24V DC	192W / 384W	4	Dimming, Ct, RGB, RGBW

5y

AQD-400-T3-CV

Control Gear



Product Code AQD-400-T3-CV **Product Family** Power & Globes **Modes** Single Colour / CCT Tuning / Dimming Remote T1/T2/2M/T3/T3M/T3X
Range 30m (Location dependant) **Power** 5V / 12V / 24V **Warranty** 2 Year Aqualux Warranty

Product Code	Frquency	Voltage	Watts	Load
AQD-400-T3-CV	2.4GHz	12 ~ 24V DC	90W / 216W / 432W	3CH x 6A - 18A Total

2y

AQD-400-T4-RGBW

Control Gear



Product Code AQD-400-T4-RGBW **Product Family** Power & Globes **Modes** Single Colour / Colour Changing Programs / Custom Receiver AQD-400-T4-CV
Range 30m (Location dependant) **Power** 5V / 12V / 24V **Warranty** 2 Year Aqualux Warranty

Product Code	Frquency	Voltage	Watts	Load
AQD-400-T4-RGBW	2.4GHz	12 ~ 24V DC	240W / 480W	43CH x 5A - 20A Total

2y

AQD-400-LT912-OLED

Control Gear



Product Code AQD-400-LT912-OLED **Product Family** Power & Globes **Modes** Dimming / CT / RGB **Photoelectric Isolation** Yes
DMX Interface 5-pin XLR, RJ45, Green Terminal **Grey Level** 8 Bit (256 Levels) / 16 Bit 655.36 **Output Power** 0 ~ 48W...96W x 12CH Max 1152W
Protection Short Circuit / Over Load **Warranty** 2 Year Aqualux Warranty

Product Code	Input Voltage	Dimming Curve	Input Signal	Load
AQD-400-LT912-OLED	12 ~ 24V DC	0.1 ~ 9.9	DMX512 / RDM	12Ch x 4A - Max 48A

AQD-400-LT916-OLED

Control Gear



Product Code AQD-400-LT916-OLED **Product Family** Power & Globes **Modes** Dimming / CT / RGB **Photoelectric Isolation** Yes
DMX Interface 5-pin XLR, RJ45, Green Terminal **Grey Level** 8 Bit (256 Levels) / 16 Bit 655.36 **Output Power** 0 ~ 36W...72W x 16CH Max 1152W
Protection Short Circuit / Over Load **Warranty** 2 Year Aqualux Warranty

Product Code	Input Voltage	Dimming Curve	Input Signal	Load
AQD-400-LT916-OLED	12 ~ 24V DC	0.1 ~ 9.9	DMX512 / RDM	16Ch x 3A - Max 48A

AQD-400-LT924-OLED

Control Gear



Product Code AQD-400-LT924-OLED **Product Family** Power & Globes **Modes** Dimming / CT / RGB **Photoelectric Isolation** Yes
DMX Interface 3-pin XLR, RJ45, 5-pin XLR, RJ45, Green Terminal **Grey Level** 8 Bit (256 Levels) / 16 Bit 655.36 **Output Power** 0 ~ 36W...72W x 24CH Max 1728W
Protection Short Circuit / Over Load **Warranty** 2 Year Aqualux Warranty

Product Code	Input Voltage	Dimming Curve	Input Signal	Load
AQD-400-LT912-OLED	12 ~ 24V DC	0.1 ~ 9.9	DMX512 / RDM	24Ch x 43A - Max 72A

AQD-400-LT932-OLED

Control Gear



Product Code AQD-400-LT932-OLED **Product Family** Power & Globes **Modes** Dimming / CT / RGB **Photoelectric Isolation** Yes
DMX Interface XLR-3, WLR-5, RJ45, Green Terminal **Grey Level** 8 Bit (256 Levels) / 16 Bit 655.36 **Output Power** 0 ~ 36W...72W x 32CH Max 2304W
Protection Short Circuit / Over Load **Warranty** 2 Year Aqualux Warranty

Product Code	Input Voltage	Dimming Curve	Input Signal	Load
AQD-400-LT932-OLED	12 ~ 24V DC	0.1 ~ 9.9	DMX512 / RDM	32Ch x 3A - Max 96A

Luminous Intensity (candela, cd)

1 cd = 1 lm / sr.

Luminous intensity is the light emitted in a given direction by a source. It is measured in candela (cd). The candela is an SI base unit from which other lighting related units are derived. The candela is defined as "the luminous intensity, in a given direction, of a source that emits monochromatic radiation of frequency 540 x 10¹² Hz and that has a radiant intensity in that direction of 1/683 W per steradian." This includes reducing energy consumption, selecting renewable energy over fossil fuels, eliminating single-use plastics and landfill generation as well as a myriad of other measures that together add up and make a difference.

Luminous Flux (lumen, lm)

1 lm = 1cd . 1 sr

Luminous flux is the total amount of light emitted from a source in all directions. It can be used to approximate the "brightness" of a source, given that it is an average of the visible portion of the spectra emitted by a light source weighted by a function known as 'v-lambda' that describes the human visual systems sensitivity to light of different wavelengths. The lumen is a derived unit defined as 1 candela emitted in 1 unit solid angle, or steradian.

Radiant Flux (W)

The radiant flux of a light source is a measure of the total power emitted by a source across the entire electromagnetic spectrum, including non-visible portions such as UV and IR. In lighting, radiant flux is used in order to determine the luminous efficacy of a light source.

Luminous Efficacy (lm/W)

The luminous efficacy of a light source is determined by dividing the luminous flux by the radiant flux. The resulting fraction or coefficient describes the degree to which a source emits radiation in the visible or 'useful' part of the spectrum for lighting purposes. Energy emitted in wavelengths outside the visible portion of the spectrum reduces the overall luminous efficacy of a light source.

Illuminance (lux, lx)

1 lx = 1 lm/m²

Being an integrated lighting design and manufacturing company, it only makes sense that our production floor lighting would be energy efficient. However, we went one step further when recently refitting our factory and designed ourselves a custom linear lighting system that features ultra-low glare (UGR < 17) optics and the latest generation of CREE mid-power LEDs. By ensuring the light is delivered where we need it (at the production workbench level) and stray light and glare minimised, even greater efficiencies are achieved.

Luminance (cd/m²)

Luminance is the light emitted from or reflected from a surface and approximates the brightness. It is dependant on the luminance of incident light and the reflectance of the surface. It is also commonly used to measure the brightness of a monitor or display.

Color Rendering

The colour rendering ability of a light source is the degree to which the source alters the appearance of an illuminated object relative to the appearance of the object under a reference illuminant. The most commonly used system for measuring this is the Colour Rendering Index (CRI). A series of coloured patches are evaluated under the source illuminant and an average calculated and indexed to a score (Ra) out of 100. Although in widespread use, there are several issues with the CRI system. An improved standard is TM-30 which is now available.

CCT

The colour temperature of a light source is a measure used to describe the appearance of a white-light source. 'Cool' sources are said to have a higher CCT (above 5000K) whilst 'Warm' sources have lower temperatures (below 3000K). It is referred to as correlated colour temperature because the appearance of the light source is being compared to that of an 'ideal' black-body radiator with a similar surface temperature measured in kelvin (K).

Beam Angle (FWHM)

Full Width Half Maximum (FWHM) is an expression often found in the specification of LED optical systems. It refers to the width of the beam where the intensity is 50% of the maximum. This is typically measured by a goniophotometer during standard photometric testing. Some manufacturers may use different systems for specifying optical beam performance.

Voltage Drop

Voltage drop in landscape lighting is the degree to which the starting voltage decreases over a given length of cable as a function of both the current load (A) and the resistance (Ω) of the cable. If the proper cable is not selected, voltage drop can produce faults such as low output or flickering lights. Selecting luminaires with the Aqualux MultiVoltage™ internal driver and using a 24V power supply can mitigate many of these issues, allowing for cheaper and more flexible installation.

LM-80

The LM-80 standard is the IESNA approved method for determining lumen maintenance of LED light sources, e.g. how quickly the light output of an LED source degrades over time. It deals with actual measurements only.

TM-21

TM-21 is a way of taking LM-80 data and making useful extrapolations in order to calculate longer LED lifetimes, given that testing for more than 10,000 hours is impractical. It is the TM-21 method that lets LED manufacturers determine the L70 and L80 lifetime expectancies of their LEDs.

TM-30

TM-30 is the official replacement for the previous system (CRI) of determining the ability of a light source to accurately render colour in comparison to a reference source. Although not widely spread, TM-30 measurement is expected to be the future of CRI standards.

LM-79

The LM-79 test report provides details about the performance of a total luminaire package, including wall-to-lumen efficacy, luminous flux, luminous intensity distribution and CCT / CRI details. It is the most common "lighting test report" available for many light fittings.

IES File

An IES file is a digital representation of the zonal luminous intensity distribution of a light source. This file can be used by lighting software to accurately render the spread of light from a source to determine if the fitting provides the required illumination.

Integrating Sphere

An integrating sphere is a device used to measure the total luminous flux of a source. Comprised of a spherical housing the inner surface is coated with a highly diffuse paint. When a light is shone in through the aperture, the internal surface "integrates" the light into an average which a calibrated sensor can then use to determine the total flux.

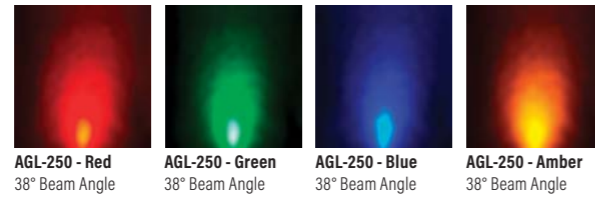
SPD

The Spectral Power Distribution "SPD" of a source represents the distribution of the radiant power throughout the visible spectrum. Usually defined in 5nm increments it can be used to determine the luminous efficacy of a light source and its colour rendering properties.

A complete range designed for landscape lighting

- True MR16 GX5.3 Form, Fits most MR16 / GX5.3 Luminaires.
- 4W High-Power LED technology, thermally optimised for enclosed fittings.
- 3000K / 5700K / Amber / Red / Green / Blue for Lighting design flexibility.
- 12 ~ 24V AC/DC MultiVoltage™ for ultimate installation flexibility.
- New ultra-spot 10D model for highlighting columns, trees and features.

Product Code	CCT / Colour		Lumens	Power	Beam	Voltage	Form
AGL-250-30X38	3000K		250lm	4W	38°	12~24V AC/DC	GX5.3 Base MR16 50 x 47mm
AGL-550-30X36	3000K		550lm	6W	36°		
AGL-250-55X38	5500K		250lm	4W	38°		
AGL-250-30X60	3000K		235lm	4W	60°		
AGL-550-30X60	3000K		525lm	6W	60°		
AGL-250-30X10	3000K		235lm	4W	10°		
AGL-250-RDX38	Red	627nm		4W	38°		
AGL-250-GNX38	Green	530nm		4W	38°		
AGL-250-BUX38	Blue	470nm		4W	38°		
AGL-250-AMX38	Amber	590nm		4W	38°		



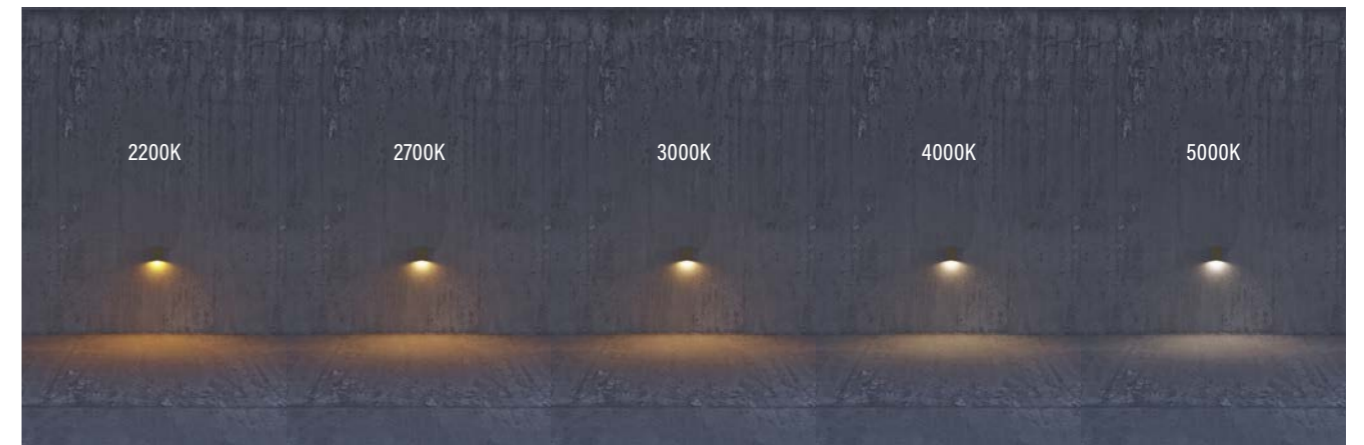
Standard CCT Options

Warm or Cool White

There are no rules - the choice is about personal preference and use. If you like the traditional yellowish colour of a conventional lamp then warm white around (2700-3000K) would be the ideal choice, this is the most popular choice for homes.

If you want a modern, clean look, you may prefer the cleaner, brighter feel of a cool white lamp (4000K+). Cool white light contains more blue light and looks brighter to the eye.

In commercial applications choosing the right colour temperature is important and will depend on the mood you want to create and the products you are promoting - for example freshly baked cookies and bread may look better under a warm white light.



Voltage drop can be measured

Voltage drop can be measured in a circuit with a standard Multimeter. Better still, the voltage drop can be calculated in advance using our online Voltage Drop Calculator.

Voltage Drop Calculator

System Settings

System Voltage	Maximum Voltage Drop	Number of Lights	Cable Options (Multiple Choices)
24V ▼	10% ▼	5 ▼	1mm ² ▼

Cable Distance & Light Power Settings

Distances to Lights (Meters)	Lights Power (Watts)	Section Power (Watts)
Meters to 1st Light	Light Power(W)	0
1st Light to 2nd Light	Light Power(W)	0
2nd Light to 3rd Light	Light Power(W)	0
3rd Light to 4th Light	Light Power(W)	0
4th Light to 5th Light	Light Power(W)	0

[Calculate](#)

Ohm's Law

An important mathematical formula that electricians and physicists use to determine certain measurements in a given circuit. The formula is $V = I \times R$ where V is the voltage, measured in volts, I is the amount of current measured in amps and R is the resistance, measured in Ohms.

Australia, New Zeland and the world

While we may not sell direct to the public, that doesn't mean our fittings and expertise are not readily available. Call our friendly staff who can answer your technical questions and direct you to your nearest reseller.

Locate a Reseller

Enter your suburb or postcode, select a seller or installer and click FIND to display your options

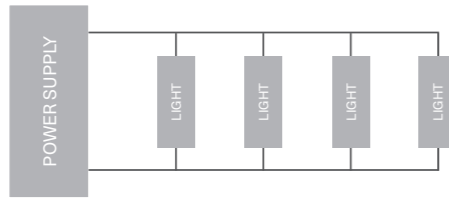
Resellers near you

Contact your local Sales Representative

Clinton Black	Steve Delaney	Phillip Martin	Tim Griffin	Ivan Zechel	Nathan Sng
QLD / NT	VIC / TAS / WA	VIC	NSW / ACT	Head Office	Head Office
0436 236 961	0410 641 120	0426 872 875	0412 676 833	02 9454 7900	02 9454 7900

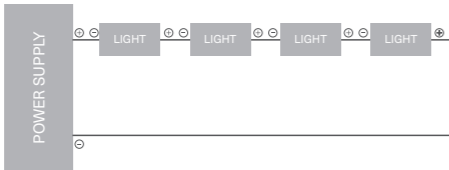
Parallel Wiring

All Aqualux LED luminaires are designed to be wired in parallel. This is the most common electrical wiring approach used for standard residential & commercial installations.



Series Wiring

For systems where internal drivers have been removed in order to provide dimming functionality series wiring is required, along with a Constant Current PSU.



Aluminium (6063)



Aluminium can be grouped into two different categories with respect to outdoor lighting - Machined or Cast. Machined, 6000-series aluminium is a superior alloy and can be effectively anodized, a process which integrates a layer of extra-hard aluminium oxide into the surface of the metal and protects against corrosion.

- ~ Durable material (yacht masts, rock-climbing hardware etc).
- ~ Minimal maintainence / good thermal conductivity.
- ~ Variety of colours available.

Brass



An alloy of tin & copper, brass is a material in common use for a wide variety of outdoor light fittings. Highly resistant to corrosion, brass will oxidize lightly over time but will generally not degrade structurally even in highly corrosive environments. Most brass fittings are generally cast and then machined.

- ~ Very durable material.
- ~ Available in different surface finishes.

Copper



Copper is a popular option for more traditional settings and will naturally oxidize over time, turning a dark green colour as the metal reacts with oxygen in the air, unless it is continuously polished. Copper is one of the most expensive materials used in the construction of light fittings but also one of the most enduring.

- ~ Copper is a traditional look, will age naturally.
- ~ Will last the longest with minimal maintainence.
- ~ Variety of surface finishes available.

Stainless Steel



Stainless Steel is a popular choice for luminaire construction. Featuring resistance to corrosion, Stainless Steel for luminaire construction comes in two common grades, 304 & 316 ("Marine Grade"). Stainless Steel must be maintained in order for it to retain it's "stainless" appearance. Tea staining, dirt, salt and even rust can build up on any type of "Stainless" fitting unless it is properly maintained by wiping it down every few months with a damp cloth.

- ~ Reasonably durable material.
- ~ Requires maintainence to avoid tea-staining.
- ~ Can be electro-polished to improve corrosion resistance.

Corrosion Control - Galvanic Table

The Galvanic Table lists metals in the order of their relative activity in sea water environment. The list begins with the more active (anodic) metal and proceeds down the to the least active (cathodic) metal of the galvanic series.

Galvanic series relationships are useful as a guide for selecting metals to be joined, will help the selection of metals having minimal tendency to interact galvanically, or will indicate the need or degree of protection to be applied to lessen the expected potential interactions.

Generally, the closer one metal is to another in the series, the more compatible they will be, i.e., the galvanic effects will be minimal. Conversely, the farther one metal is from another, the greater the corrosion will be.

Active (Anodic)

1. Magnesium
2. Mg alloy AZ-31B
3. Mg alloy HK-31A
4. Zinc (hot-dip, die cast, or plated)
5. Beryllium (hot pressed)
6. Al 7072 clad on 7075
7. Al 2014-T3
8. Al 1160-H14
9. Al 7079-T6
10. Cadmium (plated)
11. Uranium
12. Al 218 (die cast)
13. Al 5052-0
14. Al 5052-H12
15. Al 5456-0, H353
16. Al 5052-H32
17. Al 1100-0
18. Al 3003-H25
19. Al 6061-T6
20. Al A360 (die cast)
21. Al 7075-T6
22. Al 6061-0
23. Indium
24. Al 2014-0
25. Al 2024-T4
26. Al 5052-H16
27. Tin (plated)
28. Stainless steel 430 (active)
29. Lead
30. Steel 1010
31. Iron (cast)
32. Stainless steel 410 (active)
33. Copper (plated, cast, or wrought)
34. Nickel (plated)
35. Chromium (Plated)
36. Tantalum
37. AM350 (active)
38. Stainless steel 310 (active)
39. Stainless steel 301 (active)

40. Stainless steel 304 (active)
41. Stainless steel 430 (active)
42. Stainless steel 410 (active)
43. Stainless steel 17-7PH (active)
44. Tungsten
45. Niobium (columbium) 1% Zr
46. Brass, Yellow, 268
47. Uranium 8% Mo.
48. Brass, Naval, 464
49. Yellow Brass
50. Muntz Metal 280
51. Brass (plated)
52. Nickel-silver (18% Ni)
53. Stainless steel 316L (active)
54. Bronze 220
55. Copper 110
56. Red Brass
57. Stainless steel 347 (active)
58. Molybdenum, Commercial pure
59. Copper-nickel 715
60. Admiralty brass
61. Stainless steel 202 (active)
62. Bronze, Phosphor 534 (B-1)
63. Monel 400
64. Stainless steel 201 (active)
65. Carpenter 20 (active)
66. Stainless steel 321 (active)
67. Stainless steel 316 (active)
68. Stainless steel 309 (active)
69. Stainless steel 17-7PH (passive)
70. Silicone Bronze 655
71. Stainless steel 304 (passive)
72. Stainless steel 301a (passive)
73. Stainless steel 321 (passive)
74. Stainless steel 201 (passive)
75. Stainless steel 286 (passive)
76. Stainless steel 316L (passive)
77. AM355 (active)
78. Stainless steel 202 (passive)
79. Carpenter 20 (passive)

80. AM355 (passive)
81. A286 (passive)
82. Titanium 5Al, 2.5 Sn
83. Titanium 13V, 11Cr, 3Al (annealed)
84. Titanium 6Al, 4V (solution treated and aged)
85. Titanium 6Al, 4V (anneal)
86. Titanium 8Mn
87. Titanium 13V, 11Cr 3Al (heat treated and aged)
88. Titanium 75A
89. AM350 (passive)
90. Silver
91. Gold
92. Graphite

End - Noble (Less Active, Cathodic)

-

IP Ratings

The IP (Ingress Protection) rating system provides a means of classifying the degrees of protection from foreign bodies and liquids afforded by electrical equipment and enclosures. The degrees of protection against the ingress of foreign bodies and liquids are indicated by the first two numerals as detailed in the table below.

IK Ratings

The IK rating system was introduced in October 1995 as EN62262. It describes the degree to which an electrical enclosure can protect the internal equipment from the effects of mechanical impact.

1ST NUMBER

- 0 No Protection
- 1 Protected against ingress of objects => 52mm in diameter.
- 2 Protected against ingress of objects => 12.5mm in diameter.
- 3 Protected against ingress of objects => 2.5mm in diameter.
- 4 Protected against ingress of objects => 1mm in diameter.
- 5 Dust Protected
- 6 Dust Tight

2ND NUMBER

- 0 No Protection
- 1 Protected against vertically falling drops of water.
- 2 Protected against falling drops of water, when enclosure tilted 15 degrees.
- 3 Protected against spraying water.
- 4 Protected against splashing water.
- 5 Protected against water jets.
- 6 Protected against powerful water jets.
- 7 Protected against the effects of temporary immersion in water.
- 8 Protected against the effects of continuous immersion in water.

IK00 Not protected

IK01 Protected against 0.14 joules impact.
Equivalent to impact of 0.25 kg mass dropped from 56 mm above impacted surface.

IK02 Protected against 0.2 joules impact.
Equivalent to impact of 0.25 kg mass dropped from 80 mm above impacted surface.

IK03 Protected against 0.35 joules impact.
Equivalent to impact of 0.25 kg mass dropped from 140 mm above impacted surface.

IK04 Protected against 0.5 joules impact.
Equivalent to impact of 0.25 kg mass dropped from 200 mm above impacted surface.

IK05 Protected against 0.7 joules impact. E
Equivalent to impact of 0.25 kg mass dropped from 280 mm above impacted surface.

IK06 Protected against 1 joules impact.
Equivalent to impact of 0.25 kg mass dropped from 400 mm above impacted surface.

IK07 Protected against 2 joules impact.
Equivalent to impact of 0.5 kg mass dropped from 400 mm above impacted surface.

IK08 Protected against 5 joules impact.
Equivalent to impact of 1.7 kg mass dropped from 300 mm above impacted surface.

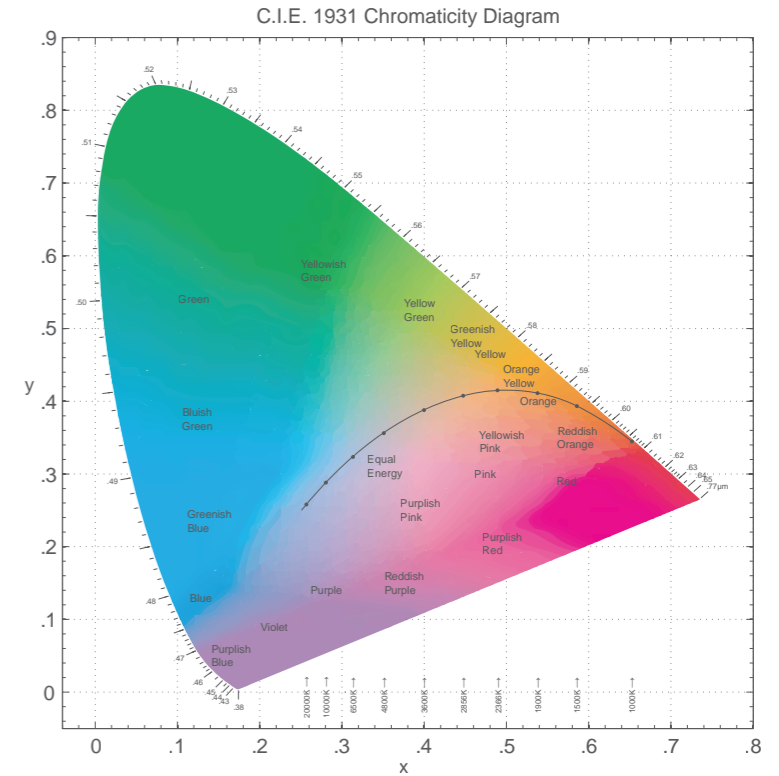
IK09 Protected against 10 joules impact.
Equivalent to impact of 5 kg mass dropped from 200 mm above impacted surface.

IK10 Protected against 20 joules impact.
Equivalent to impact of 5 kg mass dropped from 400 mm above impacted surface.

CCT - Correlated Colour Temperature

Color Temperature is the chromacity of a light source as determined by it's position on an imaginary line drawn through a colour space. This line is often referred to as a 'blackbody locus', as it is the locus (line) resulting from graphing the chromacity of a perfect blackbody radiator as it changes temperature. In general, "hotter" CCT's appear "cooler/bluer" whilst "colder" CCT's appear "warmer/more red".

CCT	Example
2000°	Gaslight
2470°	15 watt incandescent bulb
2565°	60 watt incandescent bulb
2665°	100 watt incandescent bulb
2755°	500 watt incandescent bulb
2900°	500 watt Krypton bulb
3100°	Projector type filament bulb
3250°	Photo Flood
3400°	Halogen
3900°	Carbon arc
4200°	Moonlight
4700°	Industrial smog
5100°	Hazy weather
5500°	Sun 30° above horizon
6100°	Sun 50° above horizon
6700°	Electronic Flash
7400°	Overcast sky
8300°	Foggy weather
30,000°	Blue sky



The International Commission on Illumination - commonly abbreviated as CIE.

- Dimming LED lighting is not as simple as incandescent lighting.
- Newer systems such as DALI are more reliable and more efficient.
- Simple, standalone digital dimming systems are cost-effective and easy to install.

AQL-XXX-AA-BCCCDDEEF

Code and table definitions

Control Gear (B)

Code 'B' in our product code scheme determines the input voltage, dimming capability, and wiring requirements.

Input Voltage

Refers to the voltage and current type needed to supply the light.

Dimming

If the driver is capable of dimming, what style of dimming it is and other details.

Recommended Hardware

Example equipment required to operate the particular configuration and any dimming capability.

Notes

Particular instructions directly related to the fitting and selected components.

Wiring Diagrams

Overview of the electrical circuit, the relative position, and arrangement of fittings, and control gear.

Aqualux Internal Control Gear - Dimming Reference

CODE (B)	INPUT VOLTAGE	DIMMING CAPABILITY	RECOMMENDED HARDWARE	NOTES	WIRING DIAGRAM
X	12~24V AC 24V DC. MultiVoltage.	DALI (via PWM 10V Signal Dimming) (with 3-wire products)	Requires Meanwell DAP-04 (DALI/PWM Interface). Can use standalone DALI dimmers or with DALI application controllers.	PWM Signal dimming. Requires PWM wire to be connected. No PWM = 100% Output. Single Channel 10V PWM "High Side" dimming.	3
D	24V AC.	TRIAC / Phase Cut Dimming	Requires AQO 24V AC Power Source. Compatible Phase Cut Dimmers include: Clipsal UDM450E, Diginet MEDM.	Dimming performance is best when load is > 80% of power supply rating.	30
C	Constant Current.	Control Gear Dependant (DALI/DMX/1-10/PWM)	Requires Constant Current Power Supply. Suitable power supplies include: Meanwell LCM, ELG-C and HLG-C series.	Lights must be wired in series. Circuit voltage must be kept below SELV DC maximums (120V). Dimming control options depends on the power supply.	26
Z	24V DC.	4CH PWM Dimming, Common Anode	Suitable control modules include LTECH T4 Modules and DMX Interfaces.	4 Channel "Low Side" PWM dimming for RGBW systems. Requires 500Hz (nominal) PWM signal source with common 24V+ anode. No PWM = 0% Output.	7, 15, 23, 27, 28, 29
E	24V DC.	PWM Dimming (Power)	Suitable control modules include LTECH T1 CV, AQD PWM Dimmers. Suitable power supplies include Meanwell HLG-B, Meanwell PWM drivers.	Requires PWM dimmer module or PWM dimming power supply. Power supply will also offer additional dimming methods (0-10V, DALI, DMX etc).	7, 8, 33
B	24V DC.	DALI / PWM (10V) Signal Dimming. (with 3-wire products)	24V DC Only (Not dimmable on AC). Utilises the Meanwell DAP-04 (DALI Interface). Can use standalone DALI dimmers or with DALI application controllers.	PWM Signal dimming. Requires PWM wire to be connected. No PWM = 100% Output. Single Channel 10V PWM "High Side" dimming.	3
L	24V DC.	DALI Dimming, Integral	Integrated DALI compatible LED driver. Requires 2-wire DALI signal control in addition to 24V DC power. Requires DALI application controller or standalone dimmer control unit.	Check DALI wiring regulations when used together with SELV lighting systems.	32
M	MR16.	Lamp Dependant.	Lamp Dependant.	Lamp Dependant.	-
G	GU10.	Lamp Dependant.	Lamp Dependant.	Lamp Dependant.	-
F	240V AC.	Control Gear Dependant.			-
H	24V AC/DC.	PWM (Power) Dimming	Suitable control modules include LTECH T1 CV, AQD PWM Dimmers. Suitable power supplies include Meanwell HLG-B dimming power supplies.	24V DC PWM Power dimming. Requires PWM dimmer module or PWM dimming power supply.	-
J	12V DC.	PWM (Power) Dimming	Suitable control modules include LTECH T1 CV, AQD PWM Dimmers. Suitable power supplies include Meanwell HLG-B dimming power supplies.	12V DC PWM Power dimming possible. Requires PWM dimmer module or PWM dimming power supply.	-
K	24V DC.	Non Dimming.			-
Y	12~24V AC / 24V DC.	Non Dimming.			-
W	12V DC.	Wireless DMX.			-

LED Strip and String Lighting reference guide

PRODUCT GROUP	INPUT VOLTAGE	DIMMING CAPABILITY	RECOMMENDED HARDWARE	WIRING DIAGRAM
AQS NEON FLEX AND COB STRIP (MONO)	24V DC	PWM (Power) Dimmable.	<p>DALI Dimming</p> <ul style="list-style-type: none"> - 24V DALI Compatible PSU eg. Meanwell -DA PSU - DALI Standalone Dimmer eg. AQD-400-ZEN - or integrated DALI system <p>Phasecut Dimming</p> <ul style="list-style-type: none"> - 24V Phasecut Compatible PSU eg. AQD-PS-PDV Series - Compatible phasecut dimmer eg. Diginet MEDM <p>SELV PWM Dimming</p> <ul style="list-style-type: none"> - 24V Non-dimmable PSU eg. AQD24 series - Low-voltage PWM Dimmer eg. AQD-400-T3CV Series <p>0-10V Dimming</p> <ul style="list-style-type: none"> - 24V 0-10V Compatible PSU eg. Meanwell HLG-B Series - 0-10V Dimming Unit eg. AQD-400-DIM-001 <p>DMX Dimming</p> <ul style="list-style-type: none"> - 24V Non-dimmable PSU eg. AQD24 series - DMX > PWM Interface Module eg. AQD-400-LT844 - DMX Controller 	31
AQF FESTOON AQF FAIRY	24V AC	TRIAC / Phase Cut Dimming.	<p>AQO 24V AC Power Supply + Compatible Phase Cut Dimmer eg. Clipsal UDM450E, Diginet MEDM</p>	30
AQS NEON FLEX AND COB STRIP (RGB/RGBW)	24V DC	3CH / 4CH PWM (Power) Dimmable RGB/RGBW Controller Req'd.	<p>DMX Control</p> <ul style="list-style-type: none"> - 24V Non-dimmable PSU eg. AQD24 series - DMX > PWM Interface Module eg. AQD-400-LT844 - DMX Controller <p>Remote RGB/RGBW Control</p> <ul style="list-style-type: none"> - 24V Non-dimmable PSU eg. AQD24 series - Low-voltage PWM Dimmer eg. AQD-400-T3CV Series - RF Remote Control eg. AQD-400-T3/T4 	4, 6, 11, 13, 17, 19, 20, 21, 22

3-Wire Dimming (PWM Signal)

The preferred method for controlling wired LED fixtures, where 2-wires carry the power and a 3rd wire carries the dimming / control signal. When controlled in this way, LED fixtures can provide optimal efficiency, stability and dimming range. Many Aqualux fixtures support 3-wire dimming which can be easily interfaced to DALI, DMX or wireless control systems.

2-Wire Dimming (PWM Powerline)

Dimming LED products using only 2-wires requires that the fixtures or products are Constant Voltage in nature and compatible with this method. This includes most LED strip, LED festoon and some specific LED fixtures that are designed to be used with a 2-wire system. Please check individual fixture datasheets and wiring guides before assuming 2-wire dimming will work.

Phase Cut Dimming

Phasecut (including TRIAC) dimming is not recommended for LED lighting systems. Some Aqualux products are compatible as noted below, however the majority are not. It is an outdated approach to controlling LED lighting loads with several issues (dimming ratio issues, off-peak signal interference) and there are several newer and better methods that should be used instead.

Aqualux 10V PWM Dimming

Aqualux fittings with 10V PWM dimming are controlled via a separate dimming signal wire when it is connected to a compatible PWM source such as the DAP-04 DALI interface.

This is not the same as 0-10V or 1-10V DC analog dimming. See 'Technical Information' for more information.

Aqualux PWM Dimming / 10V PWM Voltage / 1% - 100% / 500Hz

Step One

The dimming capability of Aqualux products is determined by the control gear code and power source.

Step Two

Selecting the right option is important if you require a form of dimming for your lighting system.

Step Three

To determine Aqualux dimming compatibility, locate the control gear code 'B' in your product code.

Step Four

Refer to the table below to determine the dimming capabilities and what control gear is needed.

The control and dimming of lighting products are not as straightforward as it once was with halogen or incandescent lighting. There are multiple options and methods for dimming and control LED lights. Once manufactured, dimming compatibility cannot be changed without returning the product to our factory for modification. Refer to the table at the end of this document for more information on dimming control systems. While Phase-cut/TRIAC dimming systems can still work with some LED products, there are also other legacy systems such as 0-10V (developed for fluorescent lighting) and more modern digital lighting control systems such as DALI and DMX that are in many ways more suitable for LED lighting control.

Aqualux 10V PWM Dimming Aqualux fittings with 10V PWM dimming are capable of dimming if the PWM signal wire is connected to a compatible 10V PWM source such as the DAP-04 DALI interface. See page 4 for more information.

Don't hesitate to contact us if you have any questions or go to 'Downloads / Catalogues & Guides / Dimming Guide' for a PDF version. Wiring diagrams can be downloaded by clicking on the 'numbers' in the tables.

CBus Dimming

The ability of CBus to dim LED lighting system depends on the modules available within the CBus system and the type of dimming required by the LED driver or power supply.

Dimming with CBus:

- Use a Phasecut CBus dimming module with a compatible Phasecut power supply.

- Use a CBus/DALI gateway and a DAP-04 for Compatability with Aqualux 10V PWM dimming.

Universal (Phasecut) Dimming Module:

- C-Bus DIN Rail Mounted DALI Gateway for 2 Dali Networks
Item Number: 5502DAL

CBUS / DALI Gateway

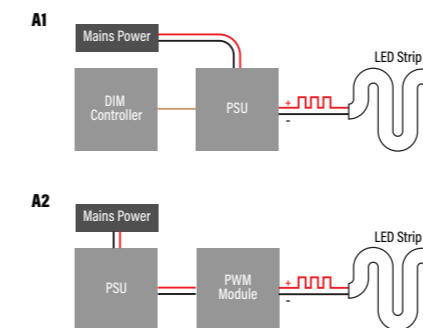
DIN Rail Mounted, Universal, 240V AC, 4 Channel, 2.5A.
Item Number: L5504D2UP.

PWM (Power) DIMMING

PWM power dimming directly modifies the output of a power supply via PWM (Pulse-width modulation). It controls how often the current is on or off hundreds of times per second. As the human eye cannot perceive frequencies this fast, the effect is an apparently stable variation of the output light level.

PWM power dimming can be achieved by using compatible power supplies that will require their own dimming control input. It can also be achieved by using a PWM module that sits between the power supply and lighting product and modifies the power to control the PWM dimming. PWM Power dimming is common in LED strip lighting products and operates across any number of channels (eg. White, Tuneable White, RGB, RGBW). The benefits of PWM power dimming are that it is relatively straightforward requiring no additional wires, that it works independent of the load rating of the power supply and that it does not require additional signal wires.

The drawbacks include that the LED forward voltage must be closely matched (linear) with the power supply voltage - Many discrete LEDs require voltages that are not common and are difficult to control in a linear fashion. This is why PWM Power dimming is most commonly used with LED Strip lighting type products where multiple LEDs can be combined to create a 12V or 24V LED circuit.



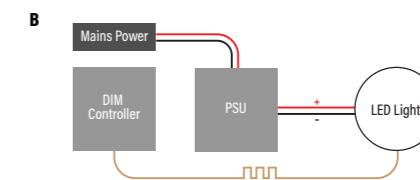
PWM (Signal) DIMMING

PWM Signal dimming directly controls the output current of a power supply, either an internal constant current driver inside a light fitting or an external constant current or constant voltage power source.

The driver or power supply requires a separate control signal wire that the PWM signal is delivered over. The PWM signal is then used by the driver to modify the output current to the LED.

The advantages of this approach are that multiple individual fittings can be controlled with the same dimming signal and that it operates independent of the internal LED voltage. A variety of types of fittings can be controlled in the same manner.

Many other forms of lighting control are in fact interfaces to a PWM Signal type of dimming, given that close to the LED a PWM signal of some sort will almost always be needed to modify the LED output.



DALI

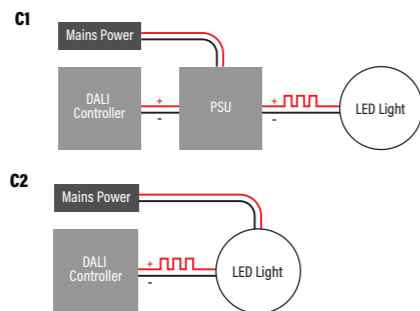
DALI (Digital Addressable Lighting Interface) is a modern lighting control protocol. It allows each device to be individually addressed and controlled.

The benefits of DALI are relative ease of deployment and commissioning, with each fixture or driver assigned an address and independently controlled.

The drawbacks include the requirement for additional components such as a DALI power supply and typically a master controller. Additionally, DALI wiring rules specify that the control cables (although ELV) must be treated as 240V.

This simplifies wiring in mains powered lighting systems but may complicate requirements in SELV systems.

Aqualux fittings that are DALI compatible typically use a DALI/PWM interface to provide this control. This means that control is available down to the power supply group rather than individual fitting.



DMX512

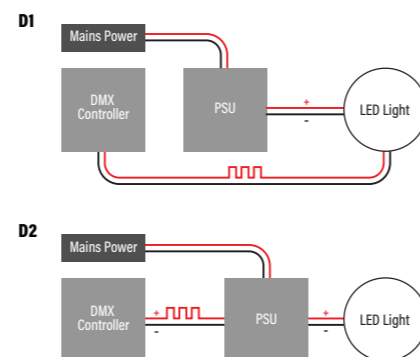
DMX (Digital Multiplex) is a common digital protocol for the control of entertainment lighting and architectural systems.

Developed initially for linking theatrical lighting and effects systems to central controllers, it has expanded to include many other functions.

DMX requires a separate set of control cables to carry the data signals from a central controller to the lighting control systems and power supplies. It can be used with both low voltage and mains lighting products as the control system is completely separate from the lighting power supply system.

The benefits of DMX512 are that it is a widely used and well-understood system with many compatible control products. Very long signal cable runs are also possible, up to 1km or more. Wireless DMX equipment is also available.

The main drawback is that DMX requires additional control equipment and adds complexity to a system beyond what is typical for residential applications. Many fittings will also require an interface module to convert the digital DMX512 signal to PWM signal.



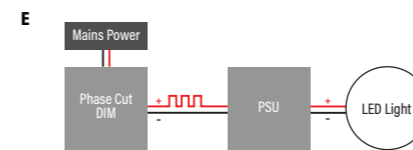
Phase cut / TRIAC

Phase cut dimming includes both TRIAC-based dimming (leading edge) and trailing edge approaches.

There are also "universal" dimmers that can determine the most appropriate mode for the detected load. The benefits of phase-cut dimming are that it is simple to install and widely understood by most contractors.

The drawbacks include incompatibility with many LED products and varying performance that depends on the combination of dimmer, power supply, and LED light.

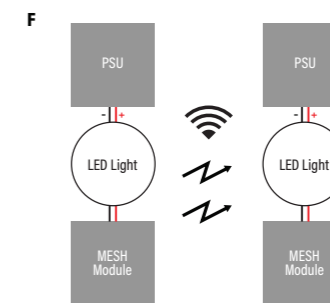
Some manufacturers recommend only certain combinations of dimmers and power supply units.



Mesh Networks (Zigbee, Casambi, Silvair)

There are a growing number of mesh network protocols intended for wireless control of lighting and other building systems. Casambi and Silvair operate using Bluetooth mesh networks, whereas Zigbee utilises its own radio communication method.

Casambi in particular is growing in popularity and Aqualux will soon be able to offer a range of options for control of fittings and strip lighting with Casambi products.



ARTNET

ArtNET is a protocol for transmitting DMX/RDM signals over Ethernet. It can make the deployment of a DMX solution a lot easier as it can utilise existing infrastructure.

Aqualux Limited Warranty Information

Aqualux sources, designs, and manufactures advanced landscape lighting of many different varieties. We utilise the highest-grade components manufactured inhouse as well as sourced from around the globe and assembled in our quality-controlled Sydney, Australia facility.

From time to time, for a variety of possible reasons, our products may experience an issue after installation. This page details the various warranties our products carry, the causes of product failure that we have experienced over time, and the steps necessary to make a warranty claim should that be necessary.

Fit-for-Purpose & Installation Requirements

All warranties offered in addition to the statutory requirement of 1 Year are done so on the condition that Aqualux lighting products are fit-for-purpose and installed professionally by qualified persons and that all guidelines and requirements are followed.

Fit-for-purpose in this context refers to the intended application our products are designed for which is residential and commercial garden & landscaping environments. Products not specifically designated IP68 are not fit for submersion, either intended or accidental.

Remote, Difficult & Unusual Installations

Where Aqualux products are installed in unusual, remote, or difficult to access locations and environments, this is done so at the end user's risk. Where warranty issues arise, Aqualux is limited in its liability to the cost of repairing or replacing the product only.

Examples of remote & unusual installations include (but are not limited to) jobs that require scissor lifts, traffic management, significant labor, or the removal of paneling or other secondary installation materials.

If you are uncertain, please contact us to discuss
+612 9454 7900 / sales@aqualux.com.au

AQS Series Strip Lighting

Please pay particular attention to our fit-for-purpose and unusual installation warranty notes when designing with AQS LED Strip Lighting.

Whilst LED strip lighting allows for unique and previously impossible lighting effects to be achieved, it is still a sensitive electronic product that is potentially subject to failure through a variety of modes including (and most often) improper handling during installation.

All Aqualux AQS products are tested before they leave our factory. We strongly advise customers to test the product prior to installation. Aqualux is not liable for any costs associated with accessing or replacing the AQS-Series strip.

Warranty Claims Procedure

To make a claim for service to repair or replace a product under an Aqualux warranty, contact the original reseller and/or installer of the product.

They will generally be able to process the claim on your behalf. If your original reseller is no longer in business or you are not sure who it may have been, please contact us directly with a photo of your product and a summary of the issue. Aqualux may elect to repair or replace your product depending on the nature of the fault and product serviceability.

Cable Termination Requirements

Cable terminations and joins must be IP-rated for this warranty to apply. Joins and connections that are not fit-for-purpose or that are manifestly unsuitable will not be serviced by Aqualux and any product failure arising from such terminations will not be claimable under this warranty.

Please refer to the cable join / termination guide available on our website for more informatoin.

September 2021

Quick Connect Cables

Where a product has a quick connect cable, anti-siphon device, or other feature(s) it/they should never be removed. Doing so will void your warranty and in the event of product, failure makes the job of repair/replacement unnecessarily more difficult and costly. If you are concerned one of these features may impact your ability to install our products contact us prior to your order placement.

Applicable Warranty Periods

If you cannot find your product below, please contact us.

Warranty periods are subject to change without notice - this will not affect an existing purchase.

Product code or family	Warranty
AQL-455 "Eco"	2 years
AQL-600 Range	3 years
AQL-910, 911, 912 & 913	3 years
Festoon and Fairy Lights	3 years
AQS Strip Light	3 years
AGL Globes	3 years
Other AQD Control Gear	3 years
AQL-450, 451 & 452 " Turbo"	5 years
AQL-400 to AQL-420	5 years
Aquatran AQD DC	5 years
AQL-931 & AQL-933	5 years
AQL-510, 520, 530, 540, 565	7 years
AUL-03 AUL-04	7 years
Lumena / Lumena Pro Range	7 years
AQA Artisan Range	10 years
Aquatran AQO AC	10 years

The Fine Print

Aqualux Lighting is a brand wholly owned by Telectran International. Telectran International Pty. Ltd. ("Telectran") warrants to the purchaser of products described herein that they be free from defects in material and workmanship for a period commencing at the date of purchase and expiring at the end of the period specified (the "warranty period").

No other warranty, whether express or implied, including any warranty of merchantability or fitness for a particular purpose, shall exist in connection with the sale or use of such products. Defects that are, in the sole judgment of Telectran, the result of an accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, unauthorized repair, modification, or acts of God will not be covered by this warranty.

Telectran shall not be liable for incidental or consequential damages, including but not limited to labour costs or lost profits resulting from the use of or inability to use the goods or from the goods being incorporated in or becoming a component of any other product. Without limiting the generality of the foregoing, Telectran will not be responsible for labour costs involved in the removal of goods or the installation of replacement goods.

If a problem develops with a product during the warranty period call or email us. We may be able to help you identify specific problems and possibly solve them before the unit is returned to us for repair or replacement. In any case, **do not return any goods without obtaining a return number** and instructions from us. Telectran cannot be responsible for damage due to shipping or improper packaging when returning goods. Please see our returns policy for further information. Upon receipt of a claim, Telectran shall inspect the part or parts claimed to be defective, and we shall repair, or at our discretion, replace, free of charge, any part or parts which we determine to have been defective.

We've put together a range of wiring diagrams covering many of our easy and some of our more complicated setups.

Wiring Diagram List

1	Mono - 12 ~ 24V AC - 2 Wire	- p235
2	Mono - 24V DC - 2 Wire	- p236
3	Mono - 24V DC - 3 Wire - DALI Dimming - Aqualux Driver	- p237
4	RGBW - 24V DC - 6 Wire - DALI Dimming	- p238
6	RGBW - 24V DC - 5 Wire - T4 Remote	- p239
7	RGBW - 24V DC - 6 Wire - T4 Remote - Aqualux Driver	- p240
8	Tunable White - 24V DC - 3 Wire - PWM Dimming - T2 Remote	- p241
9	RGB - 24V DC - 4 Wire - PWM Dimming - T3 Remote	- p242
12	RGBW - 24V DC - 5 Wire - WiFi 106 + F45A	- p243
15	RGBW - 24V DC - 6 Wire - WiFi 106 + F45A	- p244
18	RGBW - 24V DC - 5 Wire - LT904 DMX Dimming	- p245
25	RGBW - 24V DC - 5 Wire - Dynamic Pixel DMX Dimming	- p246
26	Mono - Constant Current - 2 Wire - 1-10V Dimming	- p247
27	RGBW - 24V DC - 6 Wire - Casambi Connection	- p248
28	RGBW - 24V DC - 6 Wire - DMX Dimming	- p249
29	RGBW - 24V DC - 6 Wire - Philips Hue Connection	- p250
30	Mono - 24V AC - 2 Wire - Phasecut Dimming	- p251
31	Mono - 24V DC - 2 Wire - 1-10V Dimming	- p252
32	Mono - 24V DC - 4 Wire - DALI Integrated Dimming	- p253
33	Mono - 24V DC - 2 Wire - PWM Dimming	- p254
35	RGBW - 12V DC - 5 Wire - Dynamic Pixel DMX Dimming	- p255
36	Mono - 24V DC - 2 Wire - Single Ended - No Dimming	- p256
37	Mono - 24V DC - 2 Wire - Double Ended - No Dimming	- p257
38	Mono - 24V DC - 2 Wire - Constant Voltage - DALI Dimming	- p258

Mono - 12 ~ 24V AC - 2 wire

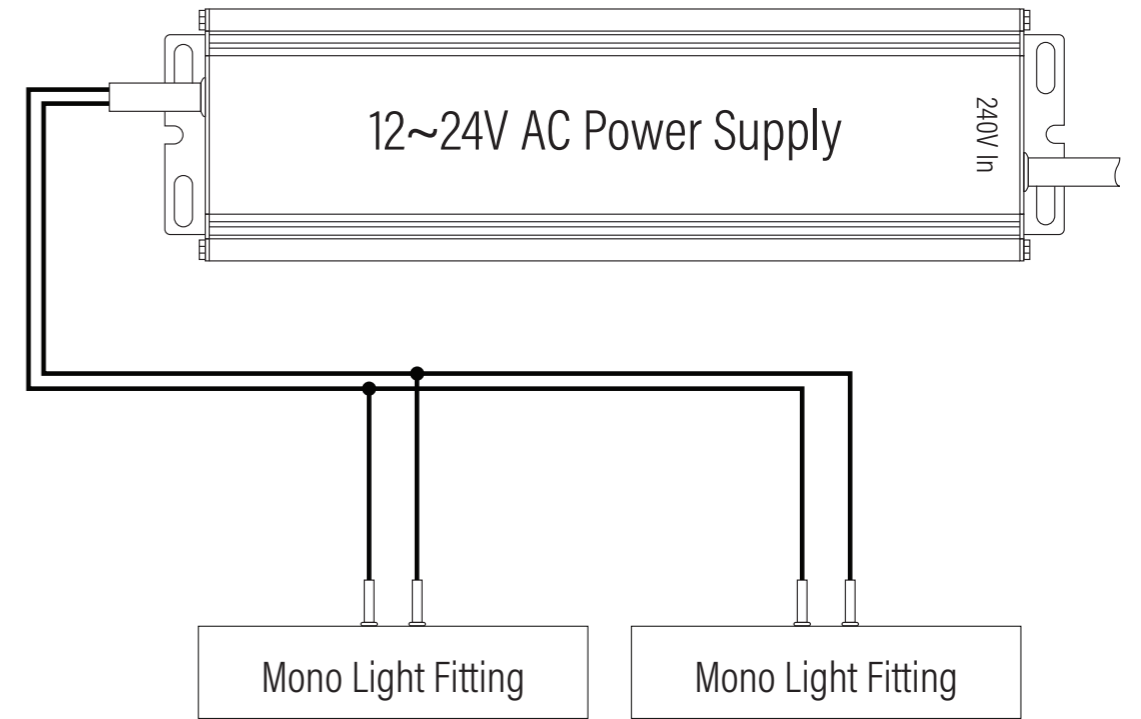
Wiring Diagram

Mono
12 ~ 24V AC
2 wire
No Dimming

1

Aqualux Codes

AQ012-020
AQ012-050
AQ012-100
AQ012-150
AQ012-200
AQ024-050
AQ024-100
AQ024-200
AQ024-300



2 Fitting Example only

Wired in parallel (non polarity).

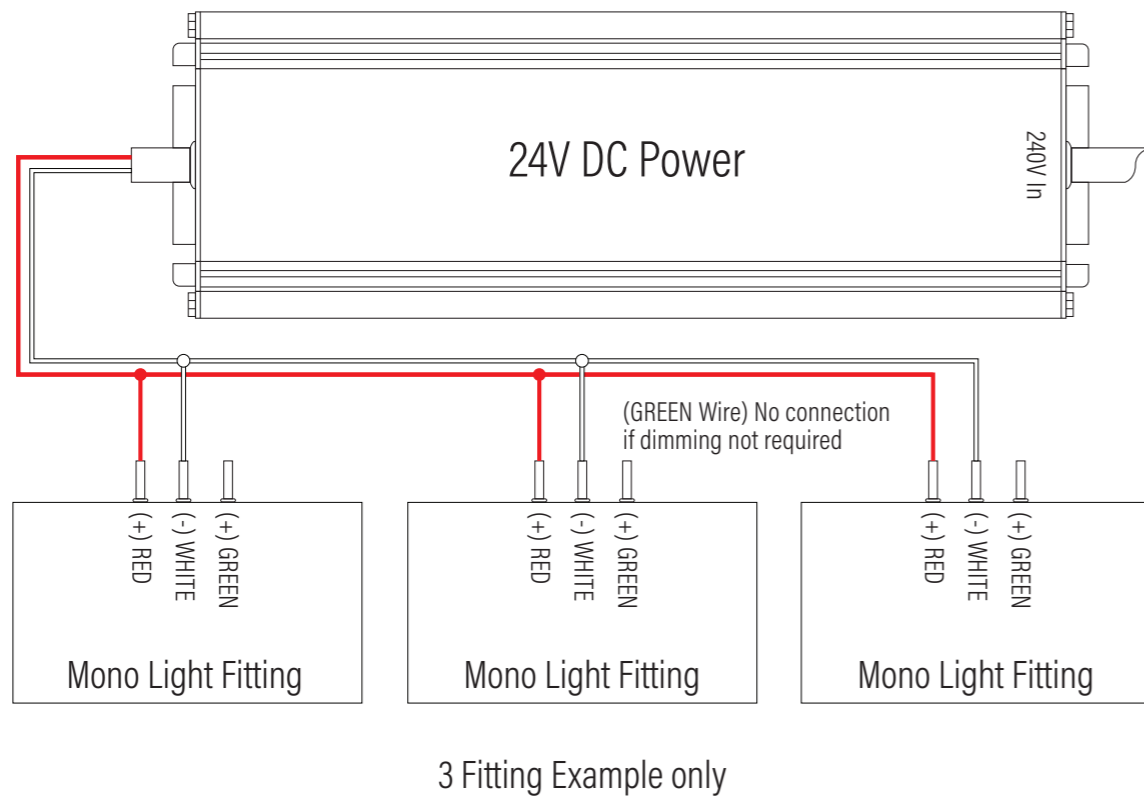
Wiring Diagram

Mono
24V DC
2 wire
No Dimming

2

Aqualux Codes

AQD24-040
AQD24-100
AQD24-240



For Lumena, Lumena Pro, Pheonix and Artisan Mono fittings with the 3 wire cable. Wired in parallel, no dimming.

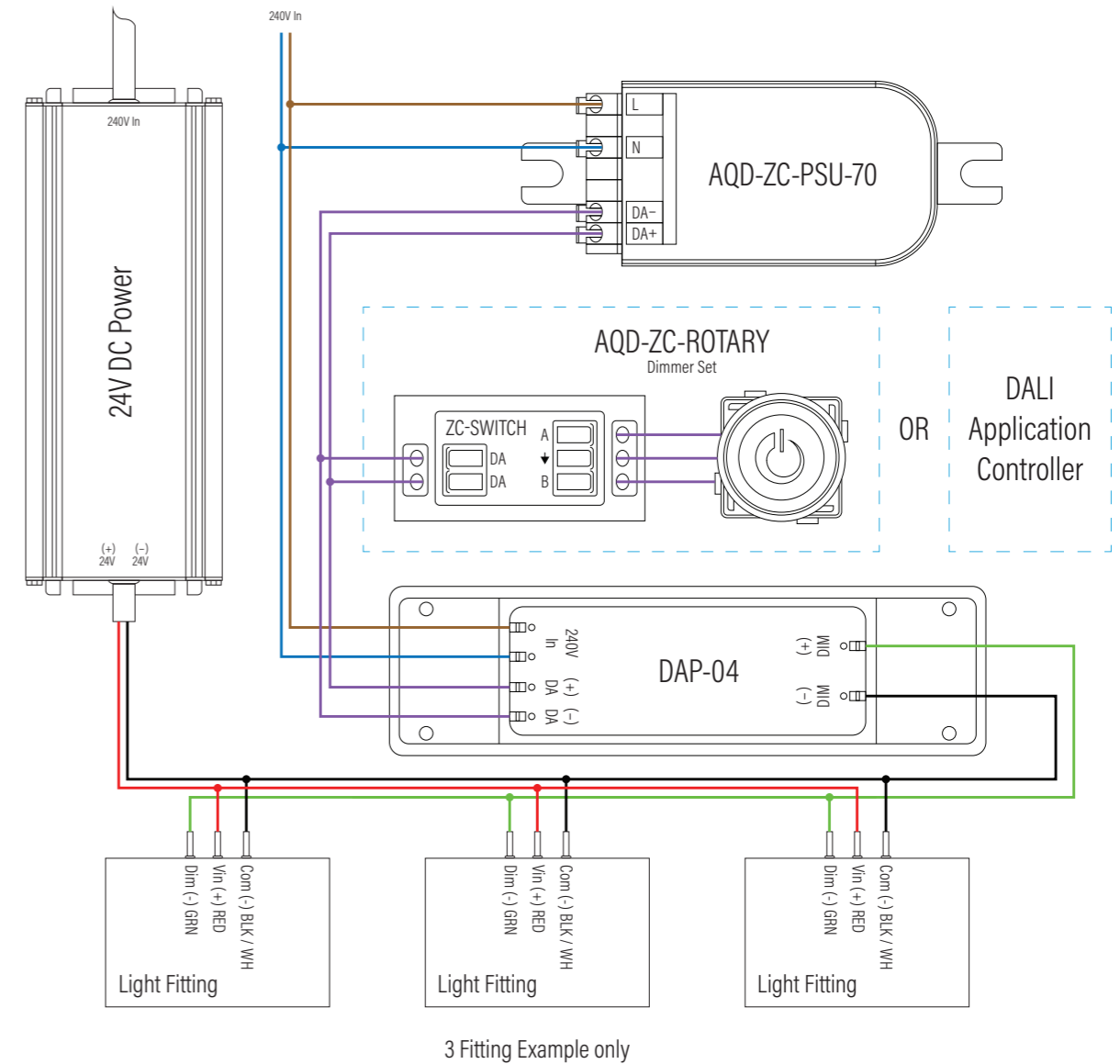
Wiring Diagram

Mono
24V DC
3 Wire
Dali Dimming

3

Aqualux Codes

AQD24-040
AQD24-100
AQD24-240
AQD-ZC-PSU-70
AQD-ZC-Rotary
AQD-MW-DAP-04



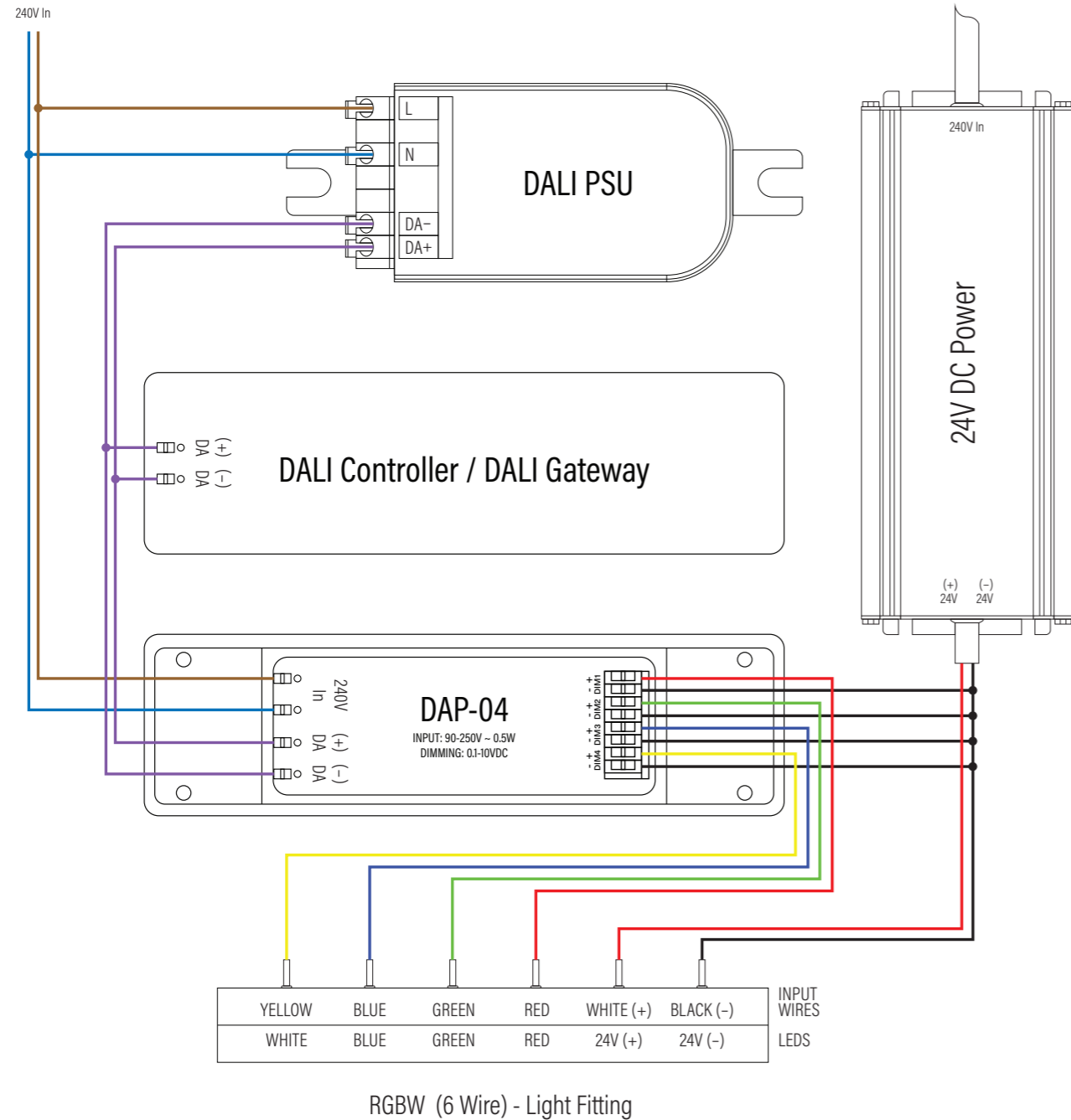
Dali dimming for mono fittings with 3 wire cable.

Wiring Diagram

RGBW
24V DC
6 Wire
DALI Dimming

4

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-ZC-PSU-70
 - AQD-ZC-Rotary
 - AQD-MW-DAP-04



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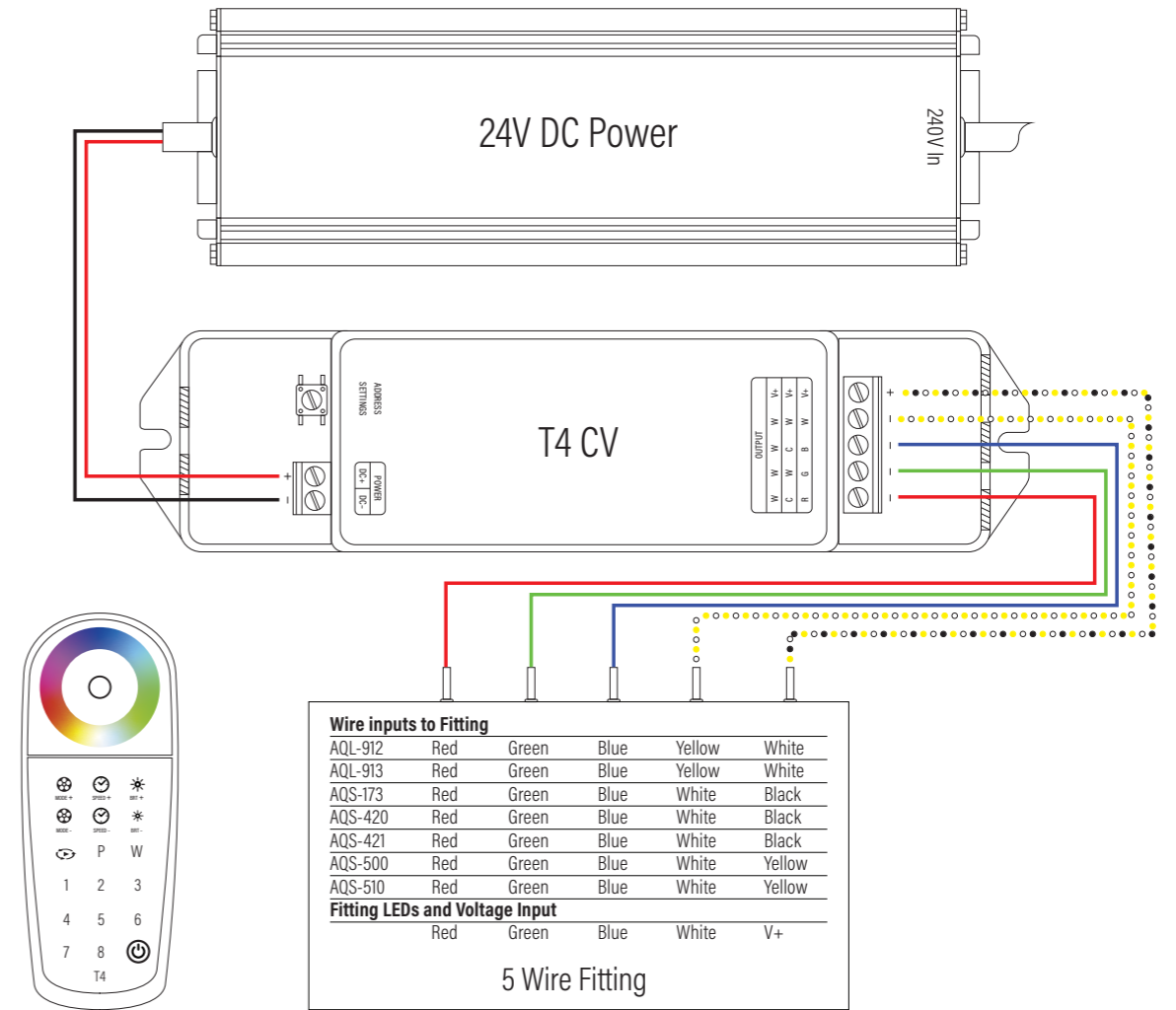


Wiring Diagram

RGBW
24V DC
5 Wire
PWM Dimming

6

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-T4CV
 - AQD-400-T4



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Wireless 4 channel with zoning. Max 480W 4 channel @ 24VDC. Up to 8 Zones can be controlled from T4 Remote. RF Range 30m (Line of sight). Unlimited numbers of T4CV's can be added on each zone. Max 10m strip run for single end feed and 20m double end feed.

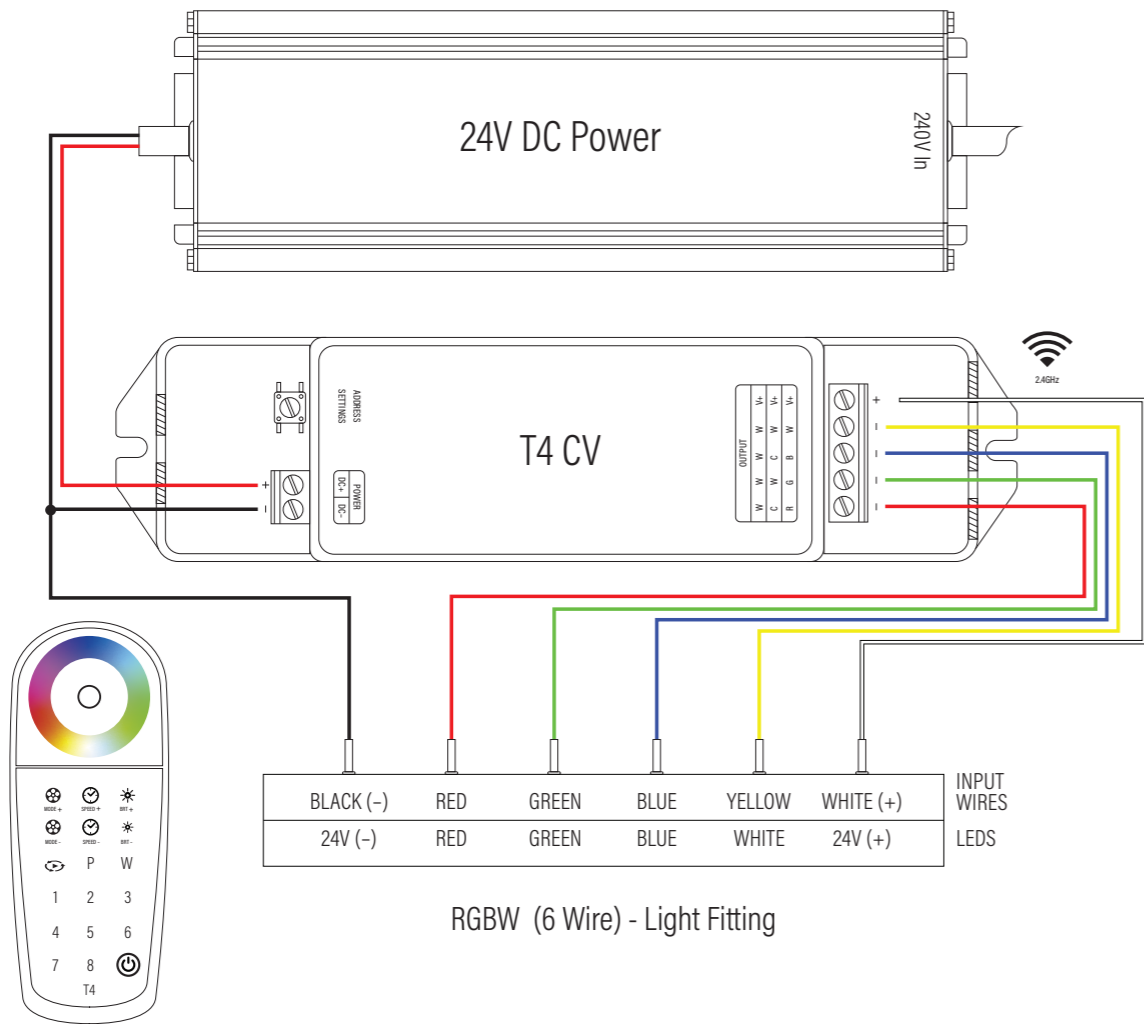


Wiring Diagram

RGBW
24V DC
6 Wire
PWM Dimming

7

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-T4CV
 - AQD-400-T4



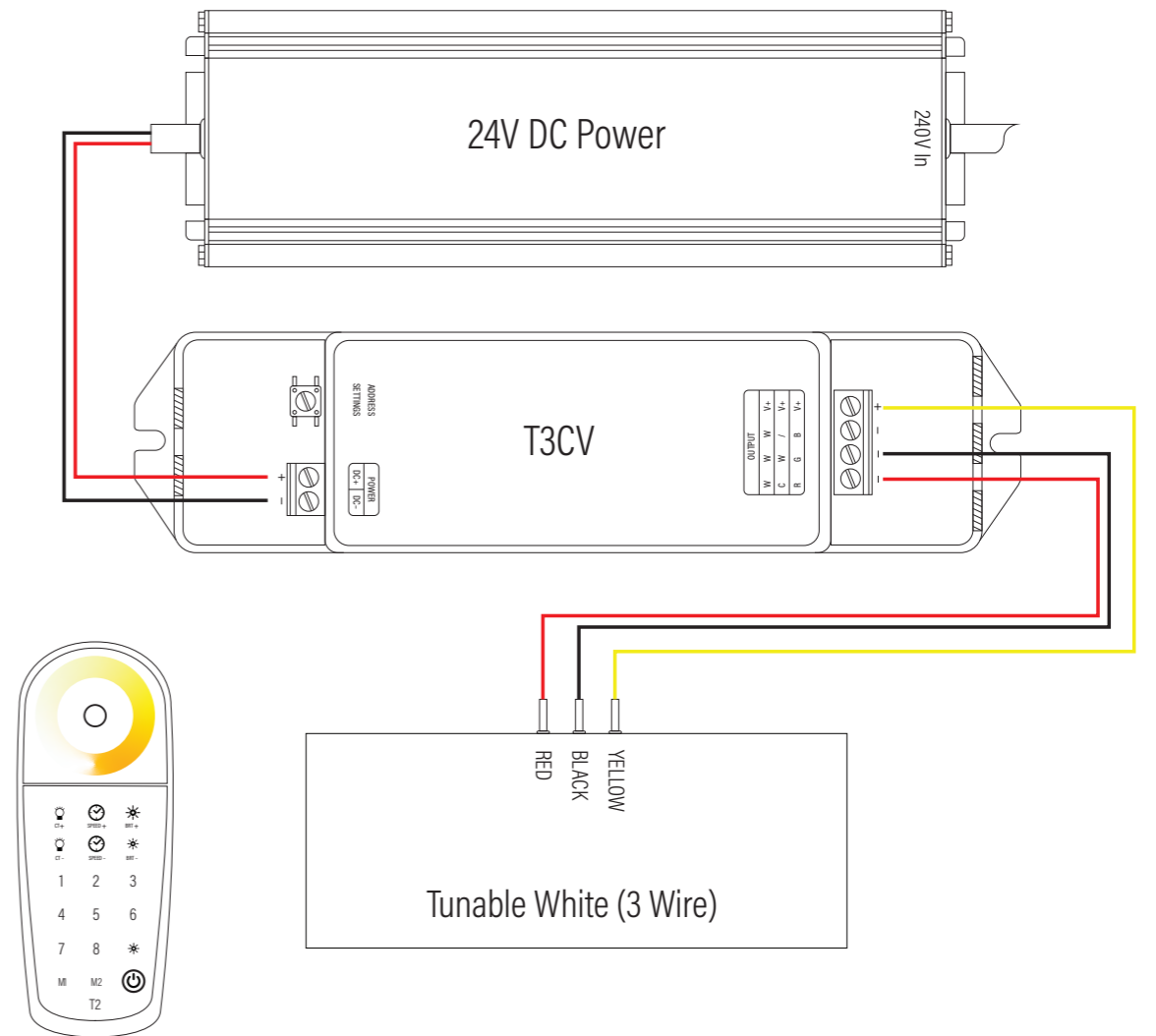
Wireless 4 channel with zoning. Max 480W 4 channel @ 24VDC. Up to 8 Zones can be controlled from T4 Remote. RF Range 30m (Line of sight). Unlimited numbers of T4CV's can be added on each zone. For installations with a load greater than the controller/receiver capacity, the yellow V + wire can be wired directly to the positive + wire from the power supply which can allow up to 600W using a HLG-600H-24 power supply.

Wiring Diagram

Tunable White
24V DC
3 Wire
PWM Dimming

8

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-T3CV
 - AQD-400-T1



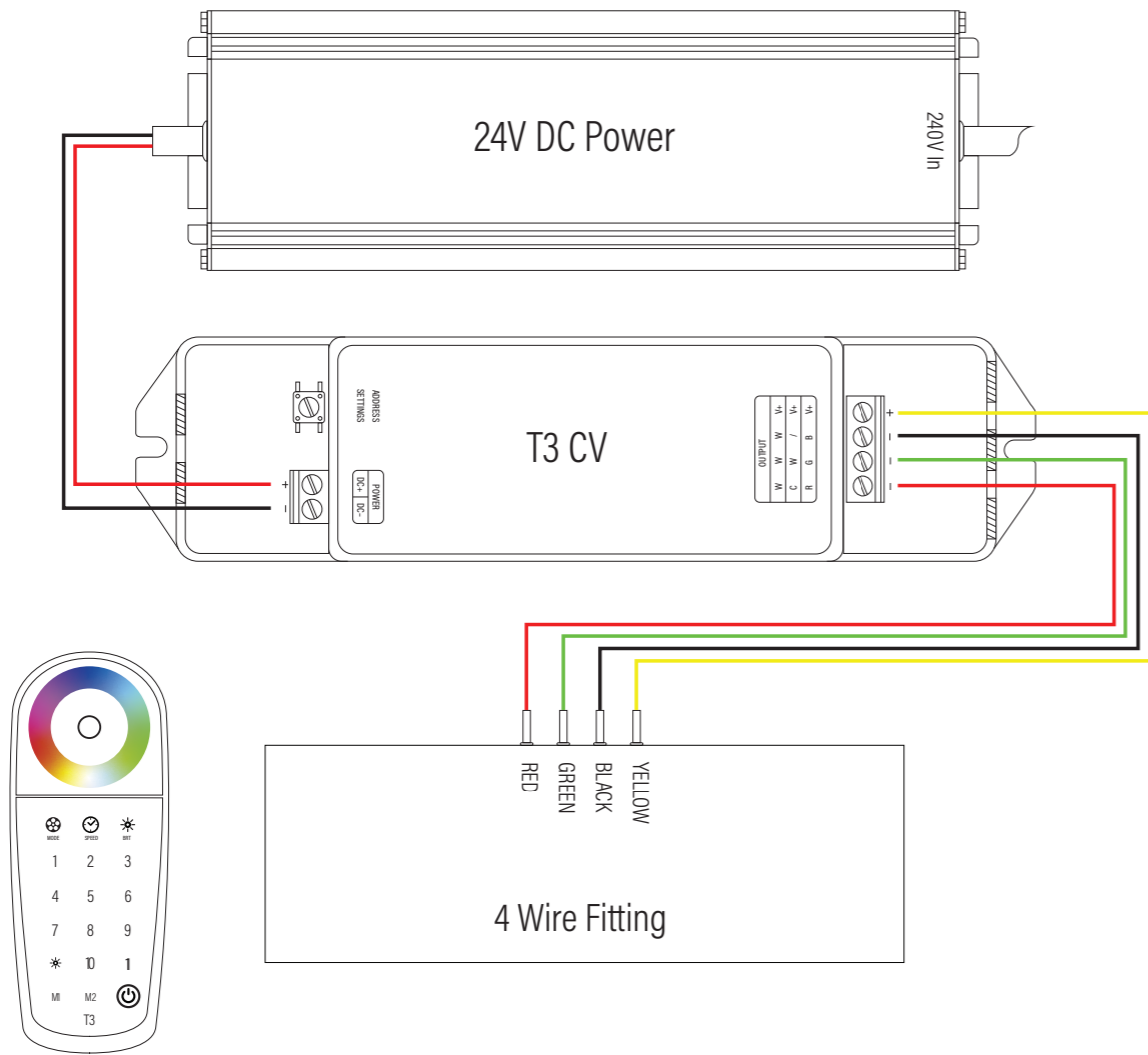
Wireless 2 channel CT setup with zoning. Max 432W 3 channel @ 24VDC. Up to 8 zones can be controlled from T2M remote. RF Range 30m (Line of sight). Unlimited numbers of T3CV's can be added to each zone. Max 5m strip run for single end feed.

Wiring Diagram

RGB
24V DC
4 Wire
PWM Dimming

9

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-T3CV
 - AQD-400-T3



Wireless 3 channel with zoning. Max 432W 3 channel @ 24VDC. Up to 10 zones can be controlled from T3M remot. RF Range 30m (Line of sight). Unlimited numbers of T3CV's can be added to each zone. Max 5m strip run for single end feed.

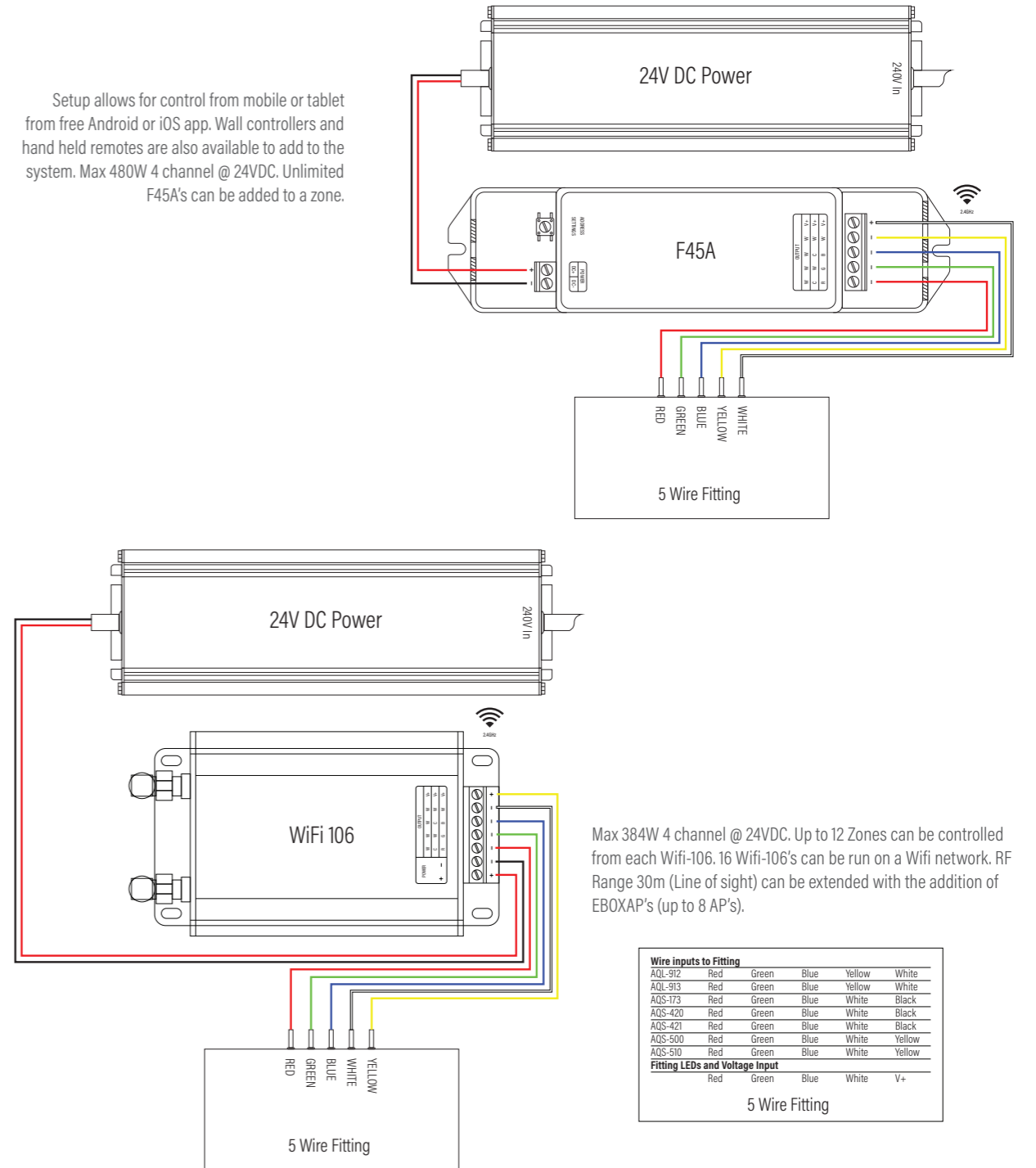


Wiring Diagram

RGBW
24V DC
5 Wire
F45A PWM Dimming

12

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-F45A
 - AQD-400-Wifi106



Setup allows for control from mobile or tablet from free Android or iOS app. Wall controllers and hand held remotes are also available to add to the system. Max 480W 4 channel @ 24VDC. Unlimited F45A's can be added to a zone.

Max 384W 4 channel @ 24VDC. Up to 12 Zones can be controlled from each Wifi-106. 16 Wifi-106's can be run on a Wifi network. RF Range 30m (Line of sight) can be extended with the addition of EBOXAP's (up to 8 AP's).

Wire inputs to Fitting					
AQL-912	Red	Green	Blue	Yellow	White
AQL-913	Red	Green	Blue	Yellow	White
AQS-173	Red	Green	Blue	White	Black
AQS-420	Red	Green	Blue	White	Black
AQS-421	Red	Green	Blue	White	Black
AQS-500	Red	Green	Blue	White	Yellow
AQS-510	Red	Green	Blue	White	Yellow
Fitting LEDs and Voltage Input					
	Red	Green	Blue	White	V+

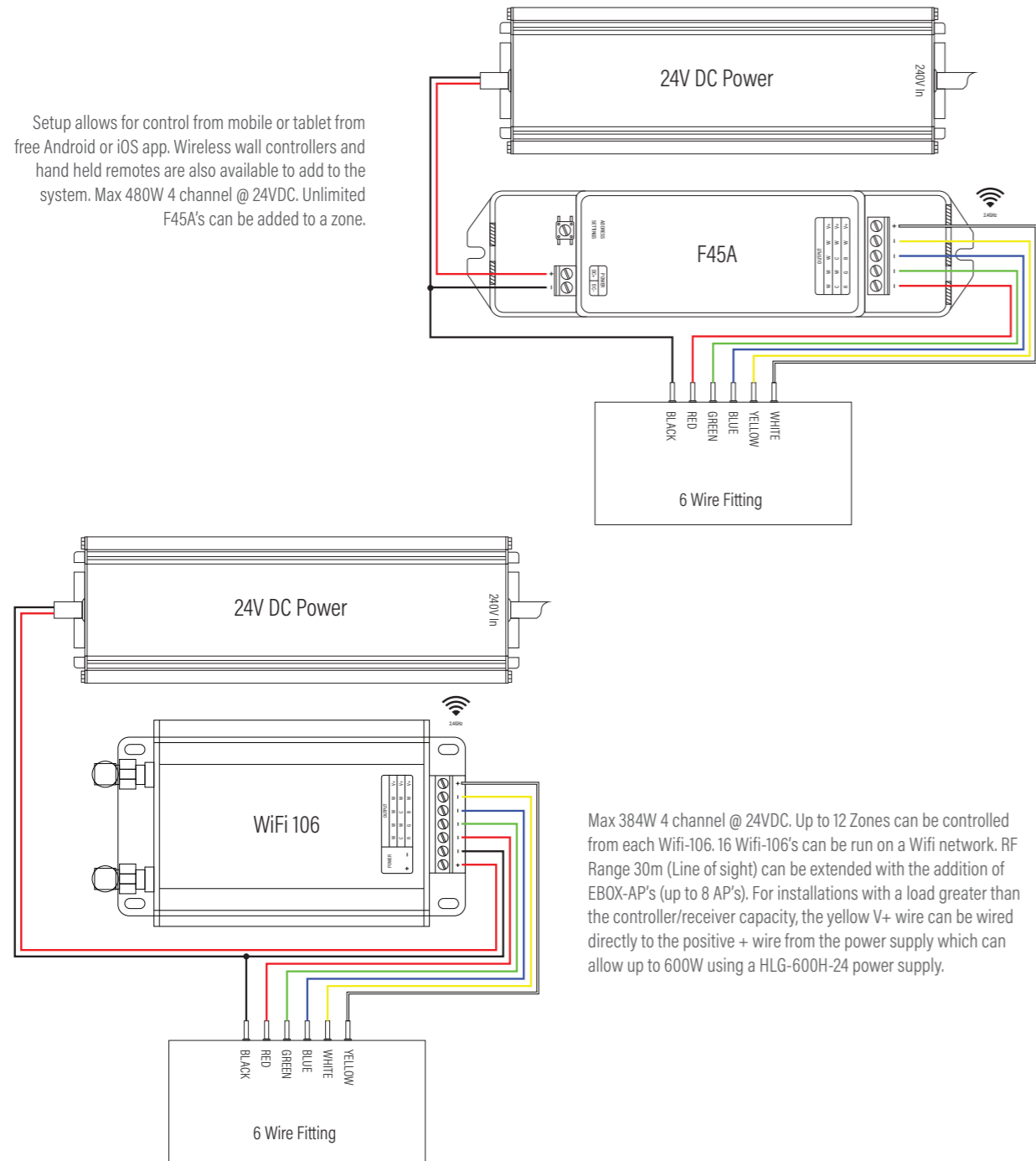


Wiring Diagram

RGBW
24V DC
PWM Dimming
10W - Z0 Code

15

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-F45A
 - AQD-400-WiFi106



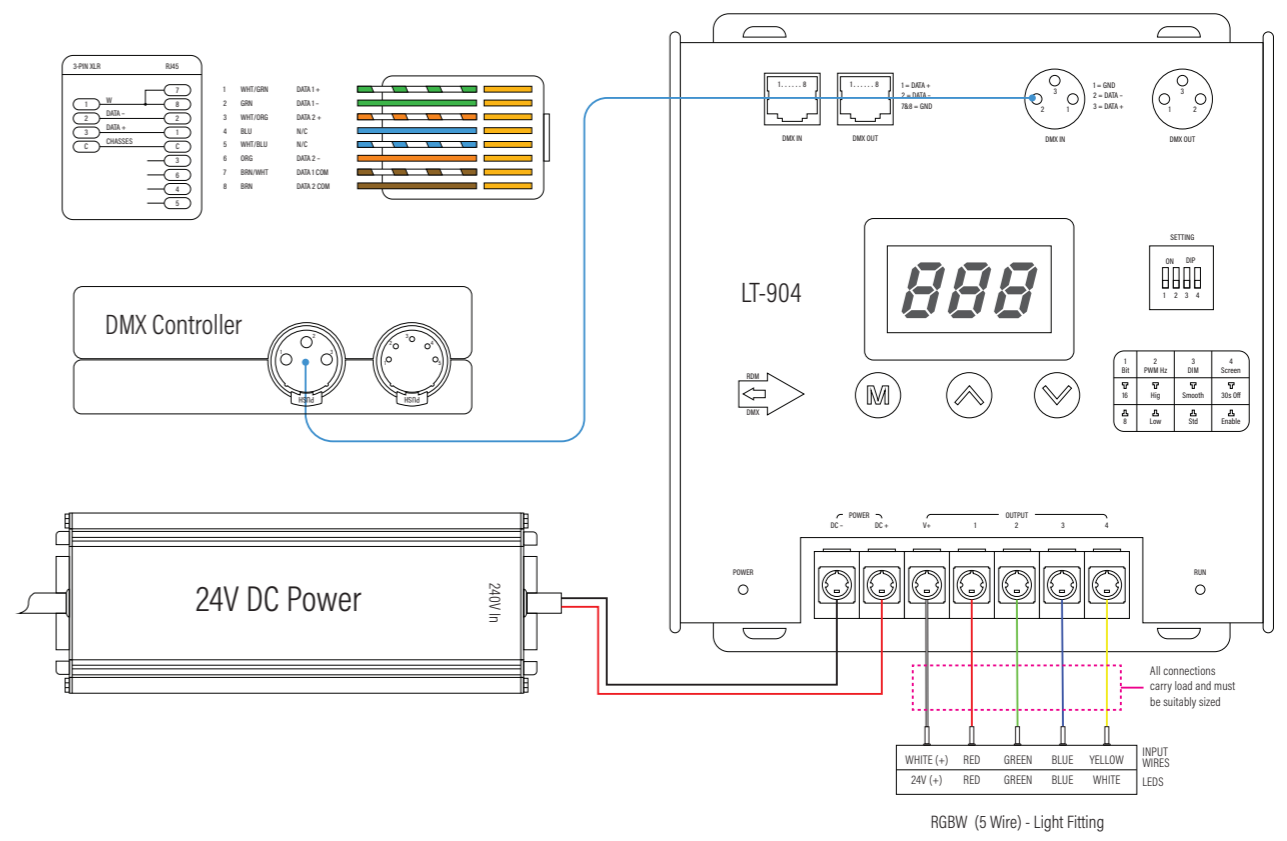
Max 384W 4 channel @ 24VDC. Up to 12 Zones can be controlled from each Wifi-106. 16 Wifi-106's can be run on a Wifi network. RF Range 30m (Line of sight) can be extended with the addition of EBOX-AP's (up to 8 AP's). For installations with a load greater than the controller/receiver capacity, the yellow V+ wire can be wired directly to the positive + wire from the power supply which can allow up to 600W using a HLG-600H-24 power supply.

Wiring Diagram

RGBW
24V DC
5 Wire
DMX Dimming

18

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-LT904
 - AQD-400-WiFi106



Setup allows for app control (needs to be on a wifi network), calender scene triggers, operation from control systems and scene triggering from external sources. 16 and 32 channel receivers available. Receivers can be daisy chained. Up to 128 individual floods per DMX universe with the appropriate amount of receivers. Up to 2 DMX Universes. Wall Controllers available.

Wire inputs to Fitting	Red	Green	Blue	Yellow	White
AQL-912	Red	Green	Blue	Yellow	White
AQL-913	Red	Green	Blue	Yellow	White
AQS-173	Red	Green	Blue	White	Black
AQS-420	Red	Green	Blue	White	Black
AQS-421	Red	Green	Blue	White	Black
AQS-500	Red	Green	Blue	White	Yellow
AQS-510	Red	Green	Blue	White	Yellow
Fitting LEDs and Voltage Input	Red	Green	Blue	White	V+

5 Wire Fitting



Wiring Diagram

RGBW
24V DC
5 Wire
DMX Dimming

25

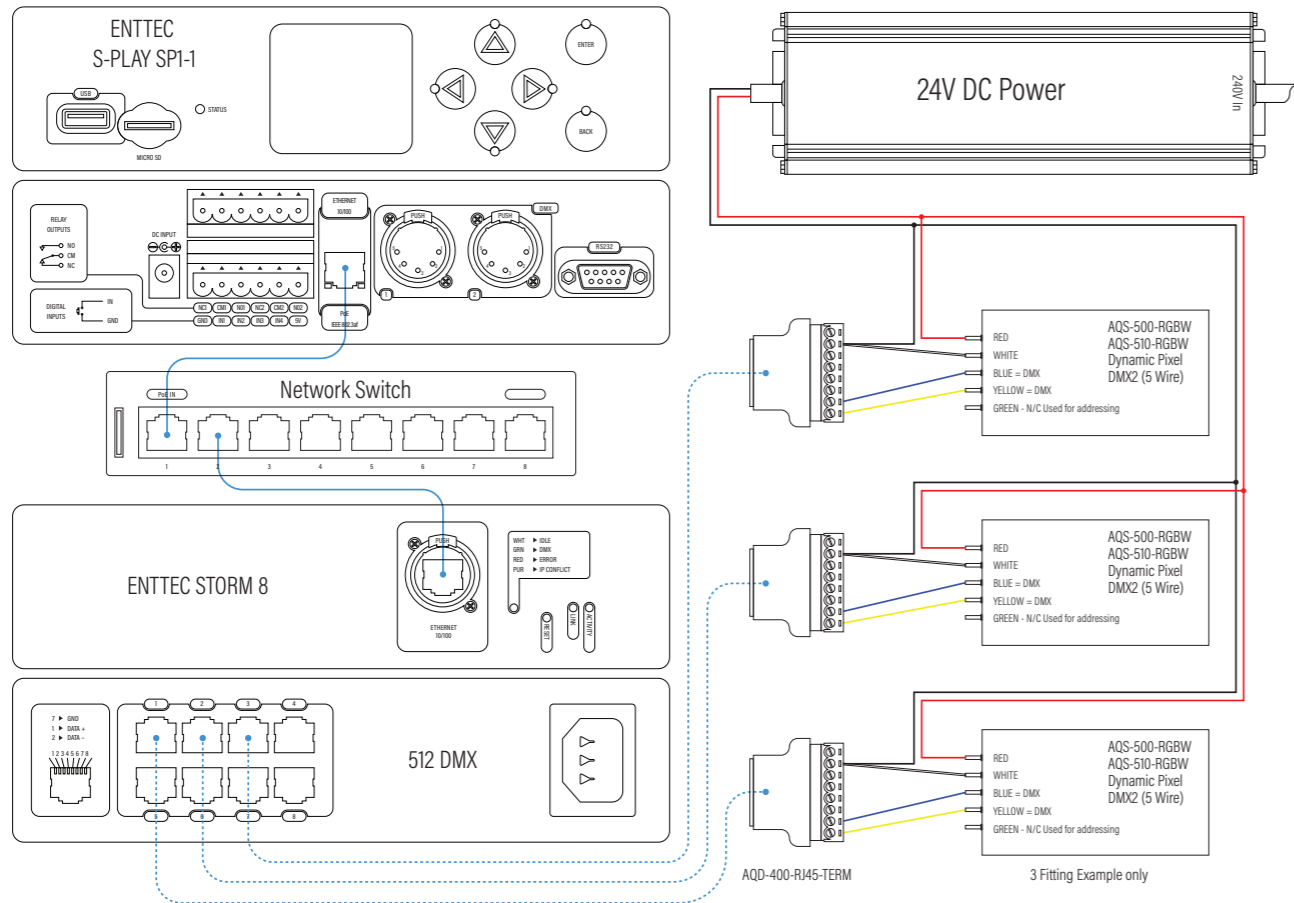
- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-ENT-Splay1
 - AQD-400-ENT-Storm8
 - AQD-400-RJ45-Term

Wiring Diagram

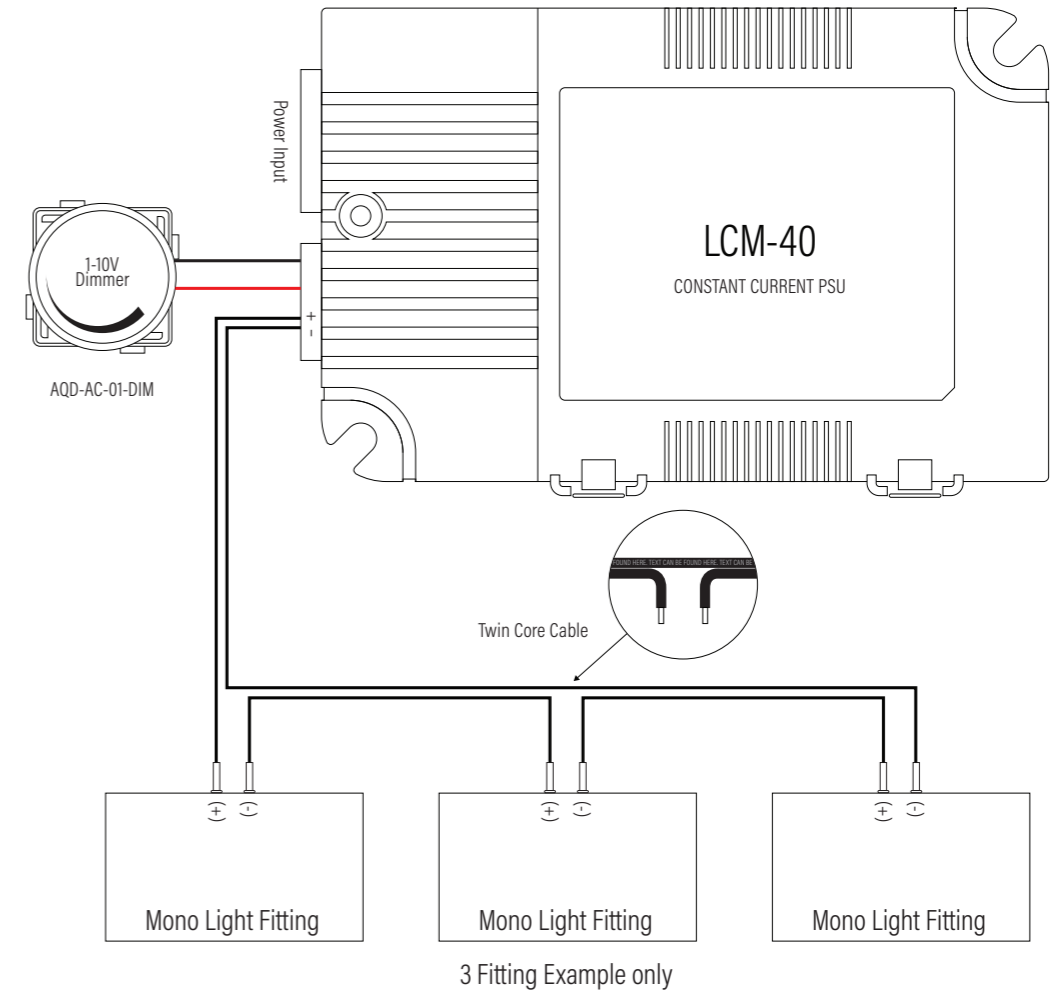
Mono
Constant Current
2 Wire
1-10V Dimming

26

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-DIM-003



Setup allows for app control, calendar scene triggers, operation from control systems and scene triggering from external sources. 18 Universes of DMX per S-Play Unit (Multiple units can be used for larger installations). 8 and 24 port Storm units available. Max 8m strip run for single end feed and 16m double end feed. Strip is directional (check cable entries and entry and exit tail lengths). Strip is addressable using DMX Writer.



- Lights are connected in series, with the current flowing from one fitting to the next, from Positive (+) to Negative (-).
- Standard garden lighting cable can be used as long as each conductor (+/-) is identified and selected correctly at each fitting.
- Many cables have printed marks or molded features such as ribs to aid in conductor identification.
- Total circuit voltage must be correctly calculated. This is done by determining the forward voltage (Vf) of each fitting and multiplying by the number of fittings in the circuit. Circuit voltage must not exceed the max voltage of the constant current driver.
- Voltage drop is not an issue in constant current circuits as it is the current that is constant, not the voltage. The driver will increase the voltage of the circuit to compensate for losses up until the max voltage it is capable of.
- Ensure that the circuit voltage does not exceed SELV maximums for DC circuits, 120V as per AS/NZS 3000:2018.

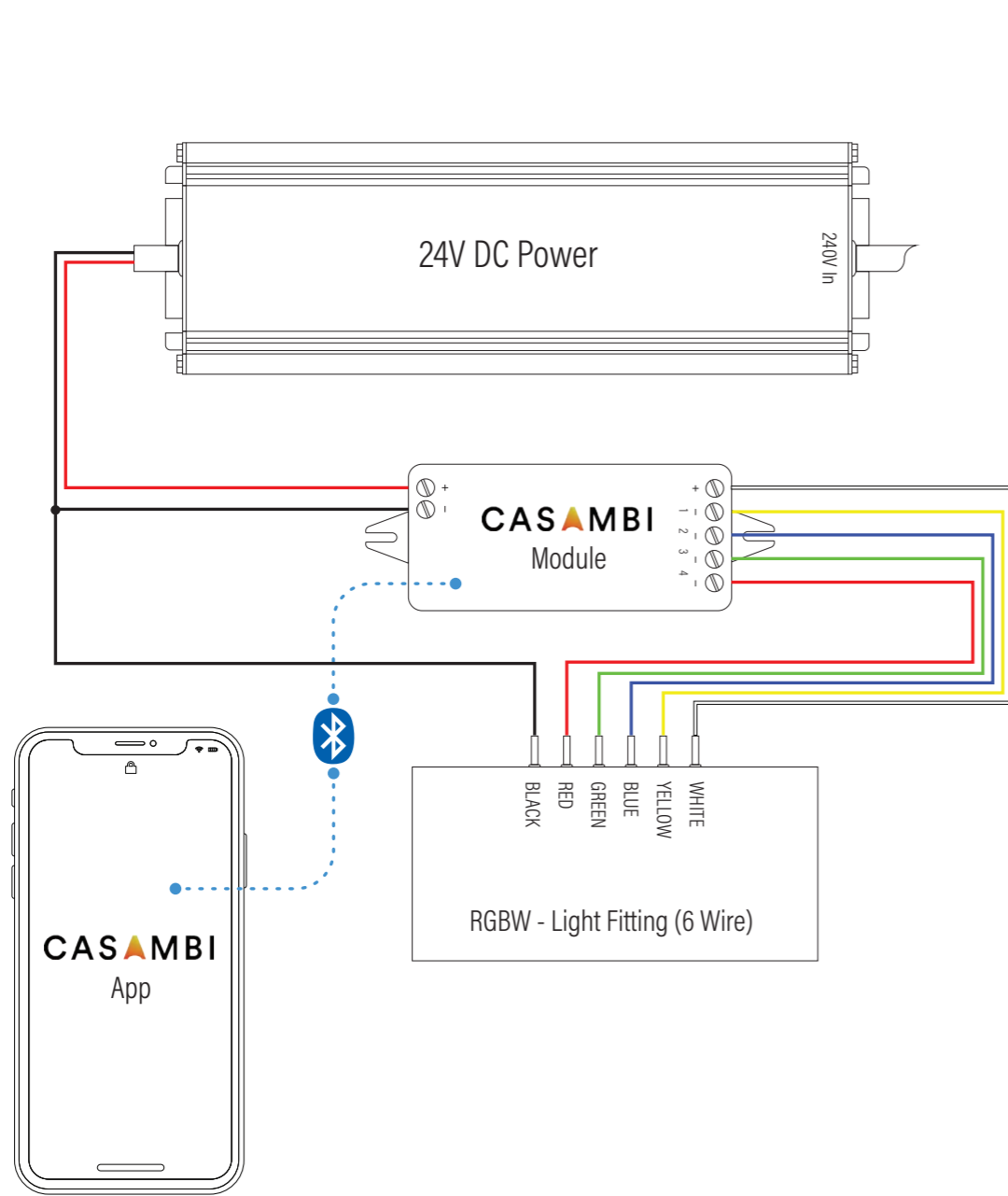
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Wiring Diagram

RGBW
24V DC
6 Wire
Casambi Dimming

27

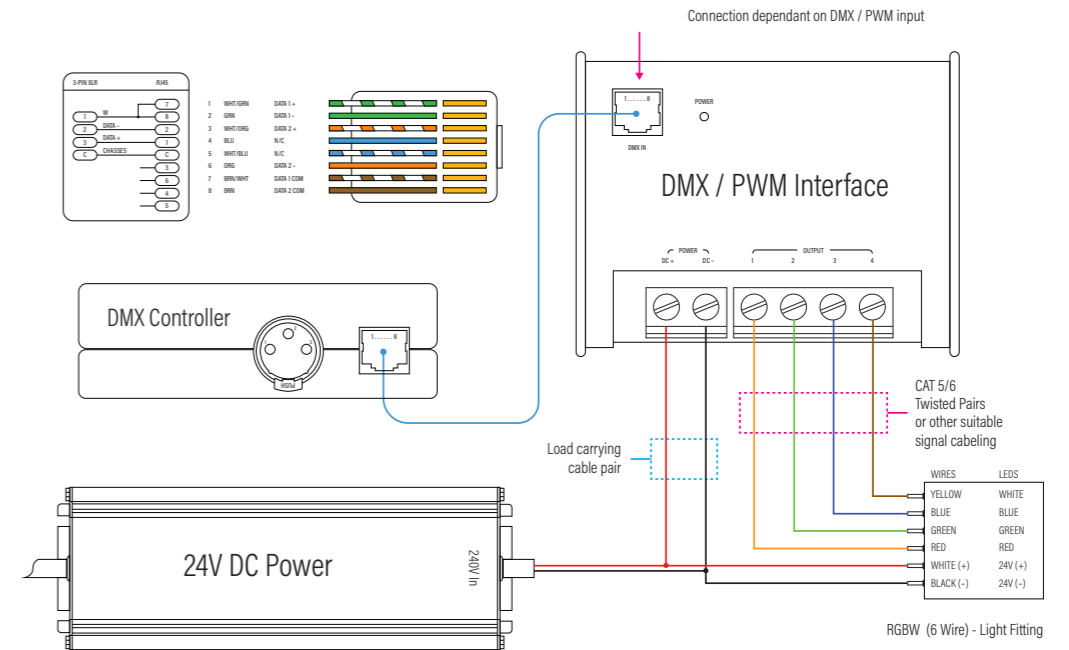
- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-CB-CBU-PWM4



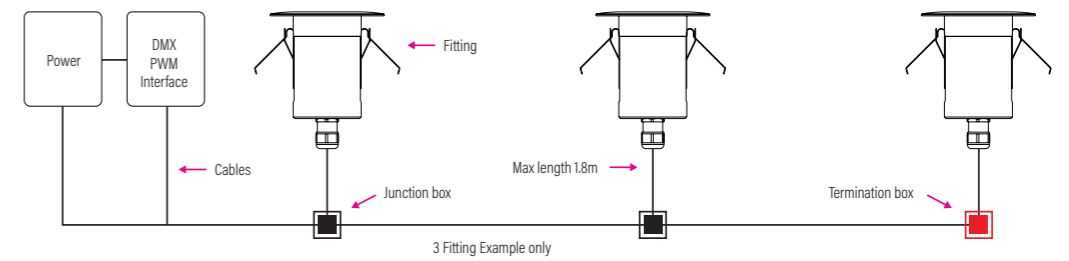
Wiring Diagram

RGBW
24V DC
6 Wire
DMX Dimming

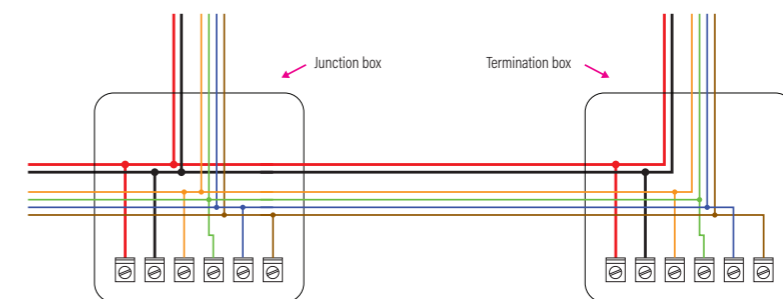
28



Multiple run diagram with junction boxes and terminator. Observe Local wiring rules. Run length is determined by transformer size, cable size and voltage drop calculations.



Conduit junction box and Termination box diagrams.



Trunk cabling supplied by others. All joins and junction boxes IP67 minimum.

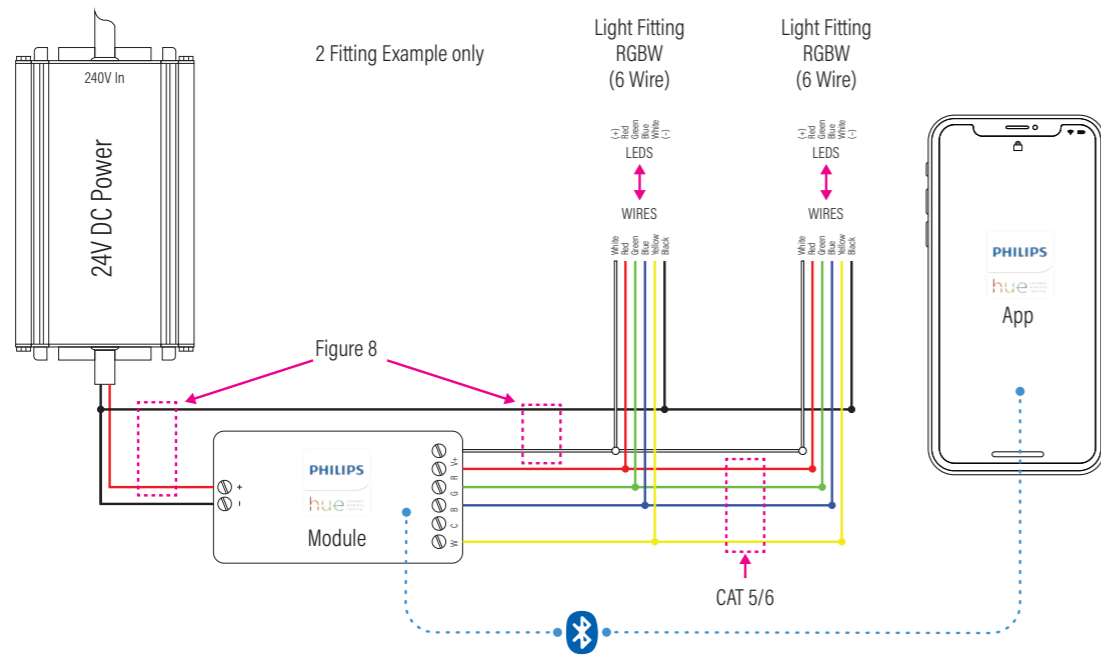
Wiring Diagram

RGBW
24V DC
6 Wire
Philips Hue

29

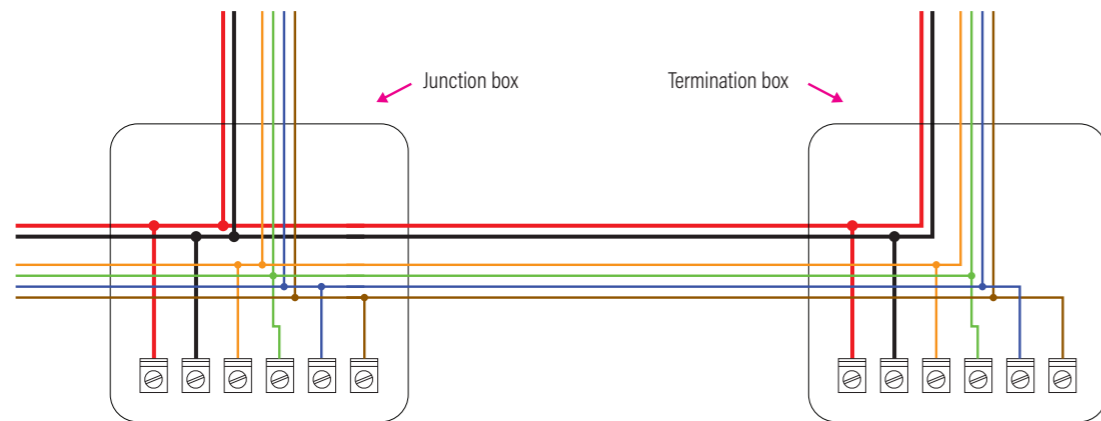
Aqualux Codes

AQD24-040
AQD24-100
AQD24-240
AQD-400-HUE-01



Multiple run diagram with junction boxes and terminator. Observe Local wiring rules. Run length is determined by transformer size, cable size and voltage drop calculations.

Conduit junction box and Termination box diagrams.



Wiring Diagram

Mono
24V AC
2 Wire
Phase Cut Dimming

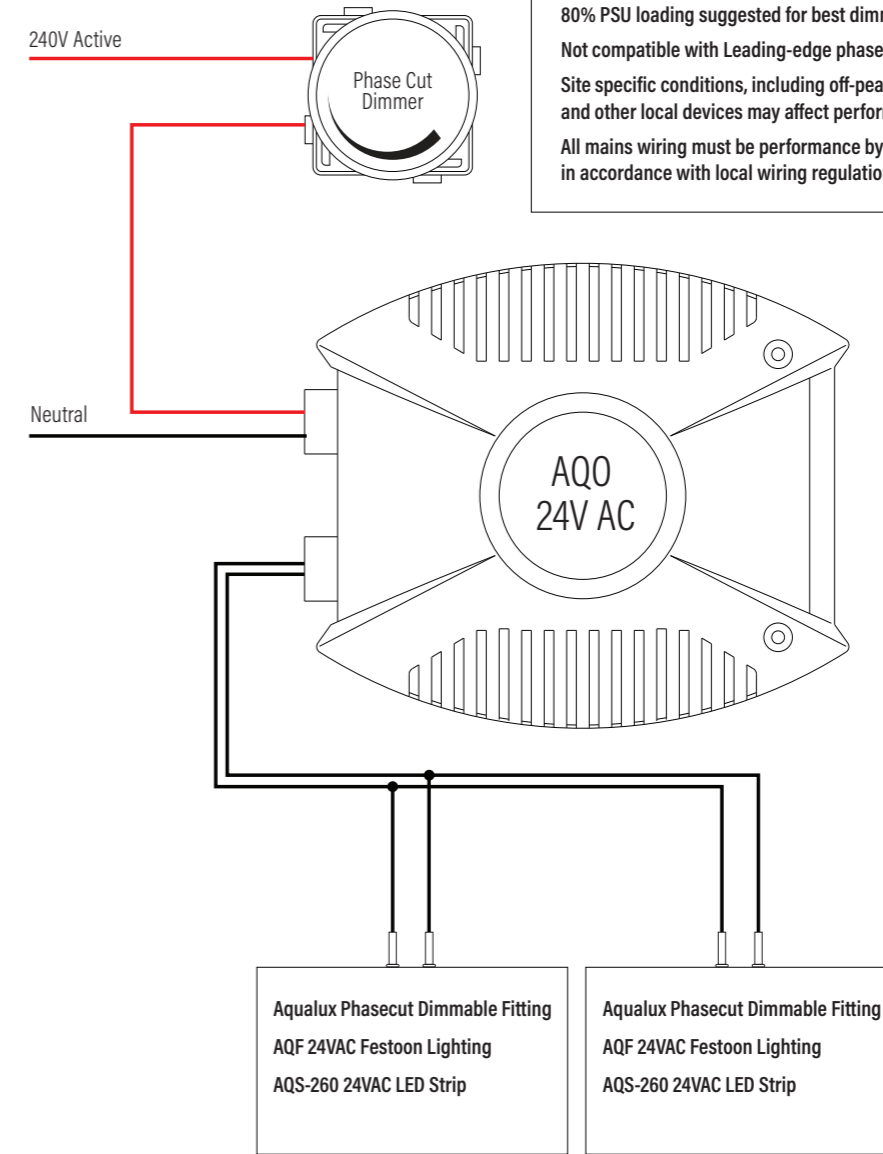
30

Aqualux Codes

AQ012-020
AQ012-050
AQ012-100
AQ012-150
AQ012-200
AQ024-050
AQ024-100
AQ024-200
AQ024-300

Phase-cut Installation Notes

Diginet MEDM Phase Adaptive Dimmer recommended
80% PSU loading suggested for best dimming performance
Not compatible with Leading-edge phase cut dimmers
Site specific conditions, including off-peak ripple frequencies and other local devices may affect performance
All mains wiring must be performed by a licensed electrician and in accordance with local wiring regulations



2 Fitting Example only

Aqualux fittings must be ordered as Phasecut dimmable. Driver code "D"

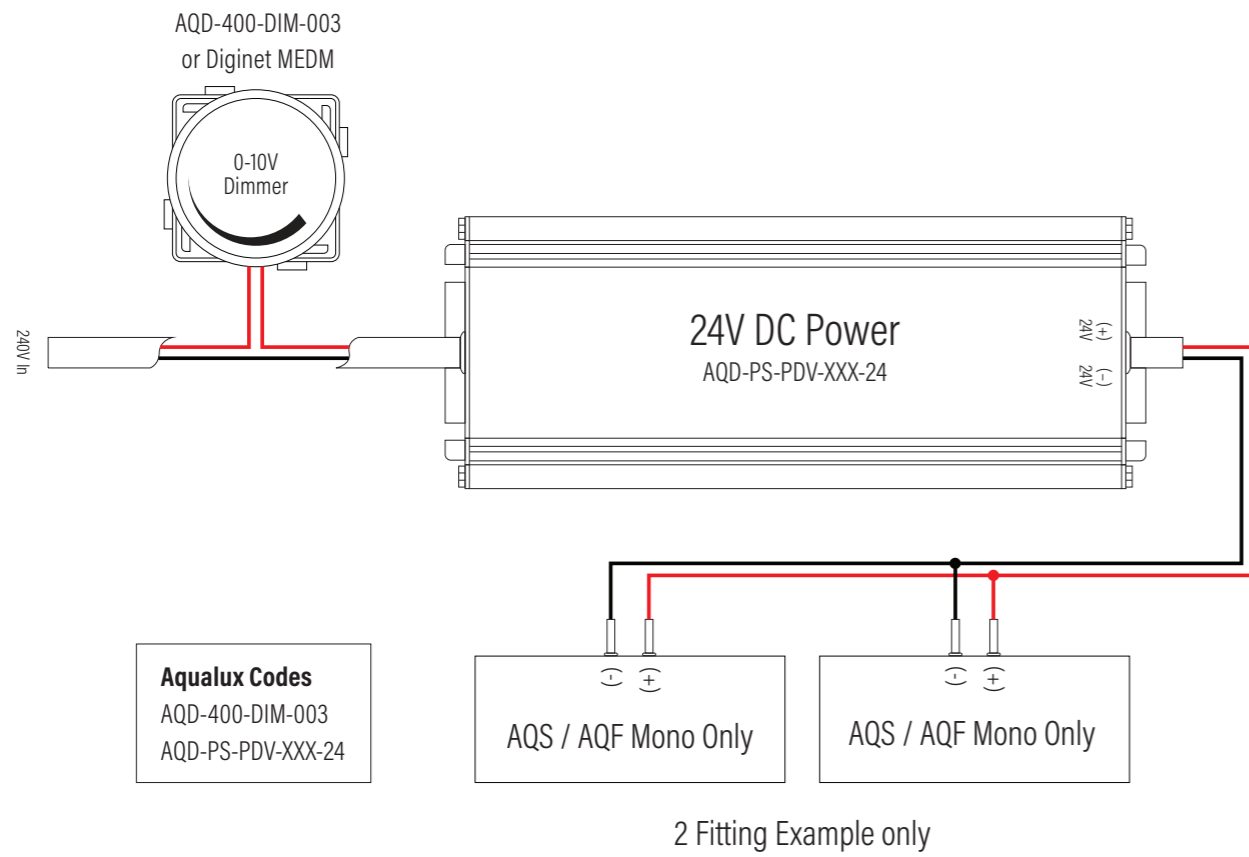
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Wiring Diagram

Mono
1-10V
2 Wire
Dimming

31

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-DIM-003

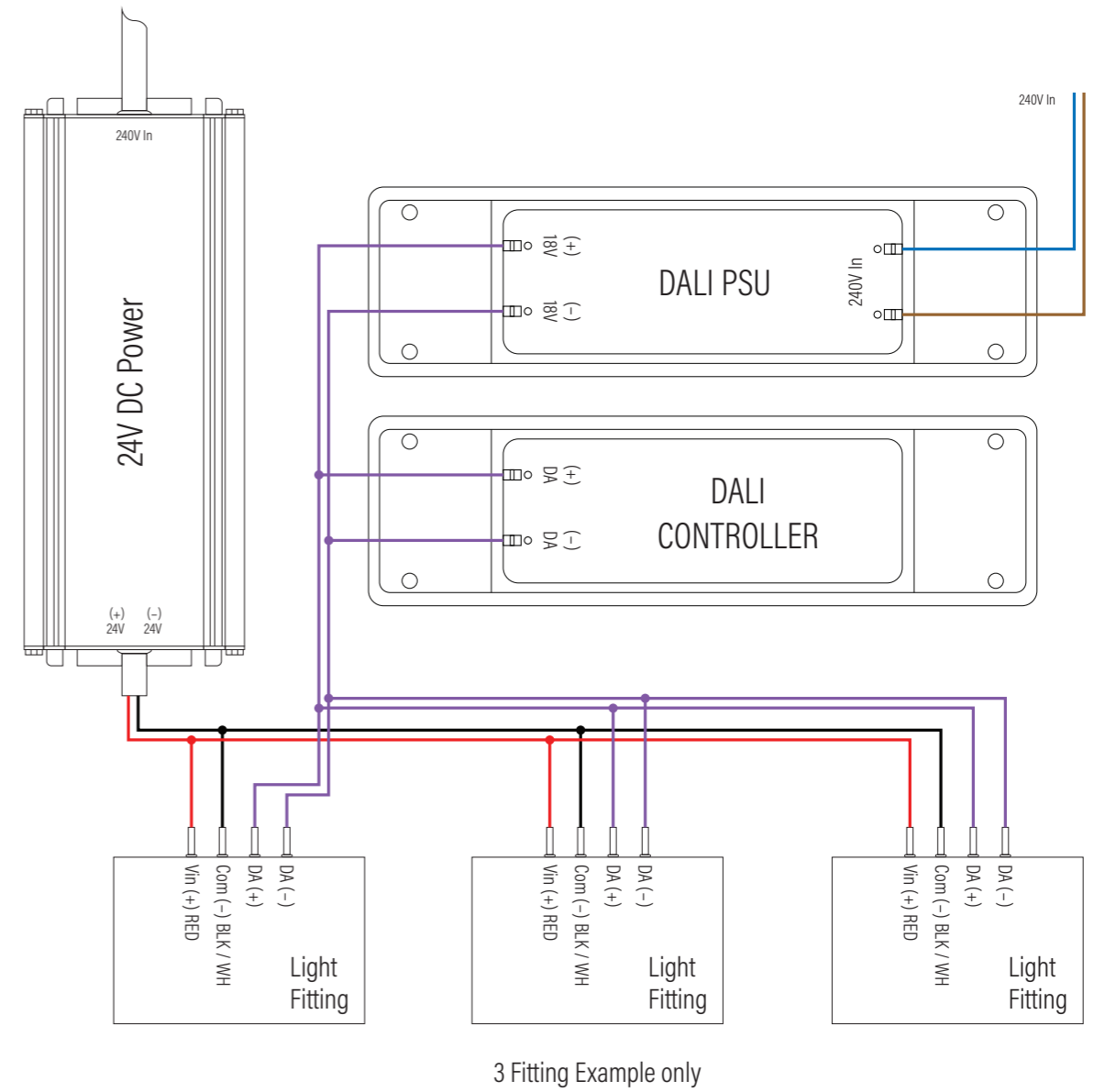


Wiring Diagram

Mono
24V DC
4 Wire
Dali Integrated Dim

32

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-T3CV

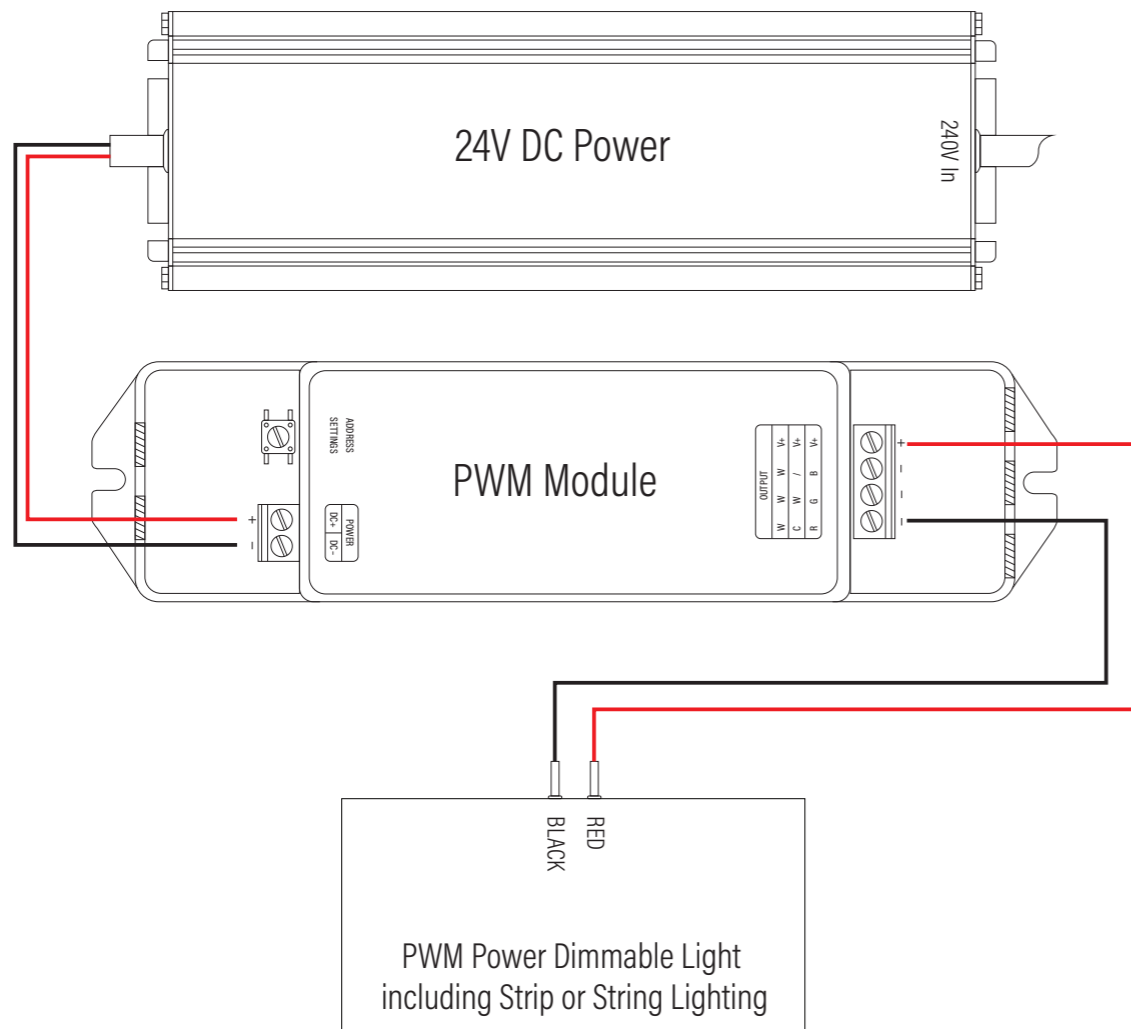


Wiring Diagram

Mono
24V DC
2 Wire
PWM Dimming

33

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-T3CV



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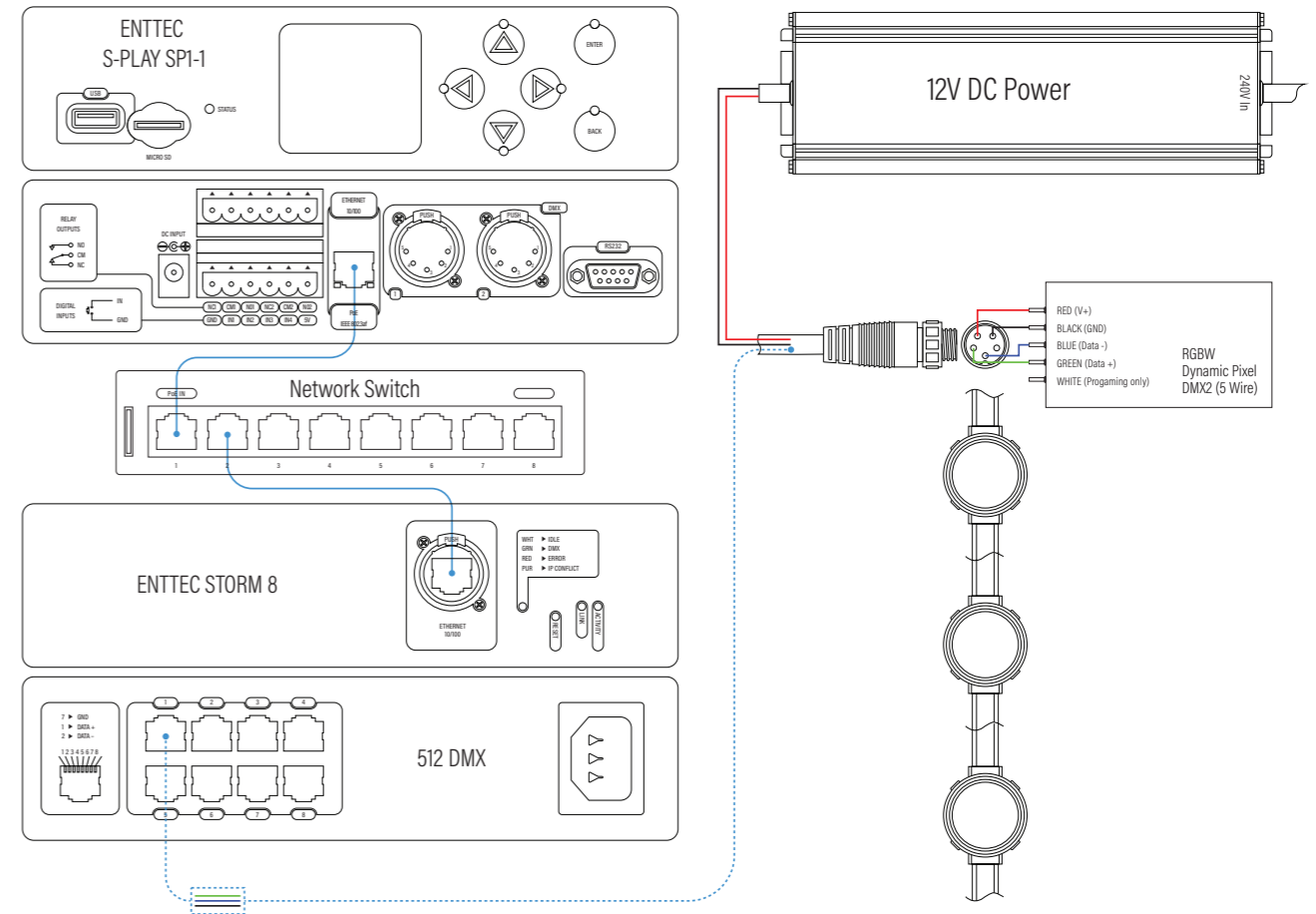


Wiring Diagram

RGBW
24V DC
5 Wire
DMX Dimming

35

- Aqualux Codes**
- AQD24-040
 - AQD24-100
 - AQD24-240
 - AQD-400-ENT-SPLAY1
 - AQD-400-ENT-STORM8



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Setup allows for app control, calendar scene triggers, operation from control systems and scene triggering from external sources. 18 Universes of DMX per S-Play Unit (Multiple units can be used for larger installations). 8 and 24 port Storm units available. Max 8m strip run for single end feed and 16m double end feed. Strip is directional (check cable entries and entry and exit tail lengths). Strip is addressable using DMX Writer.

Mono - 24V DC - 2 Wire - Single Ended - No Dimming

Wiring Diagram

Mono
24V DC
2 Wire
Single Ended/No Dim

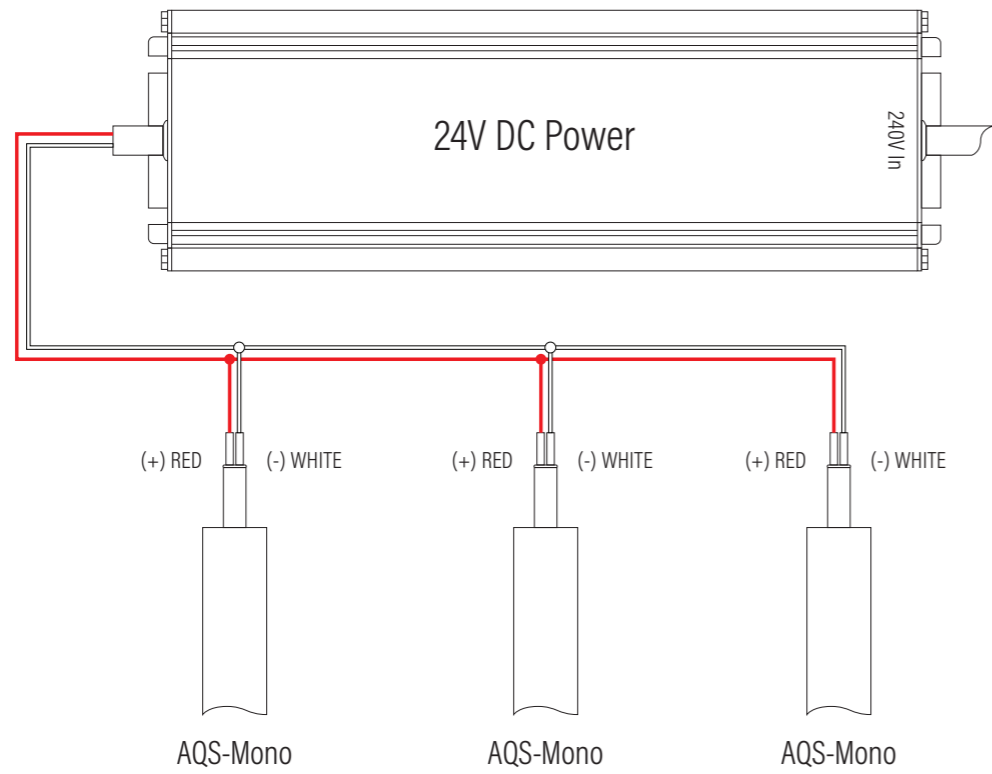
36

Aqualux Codes

AQD24-040

AQD24-100

AQD24-240



Check website for single end run lengths
3 Fitting Example only

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Mono - 24V DC - Double Ended - No Dimming

Wiring Diagram

Mono
24V DC
Double Ended
No Dimming

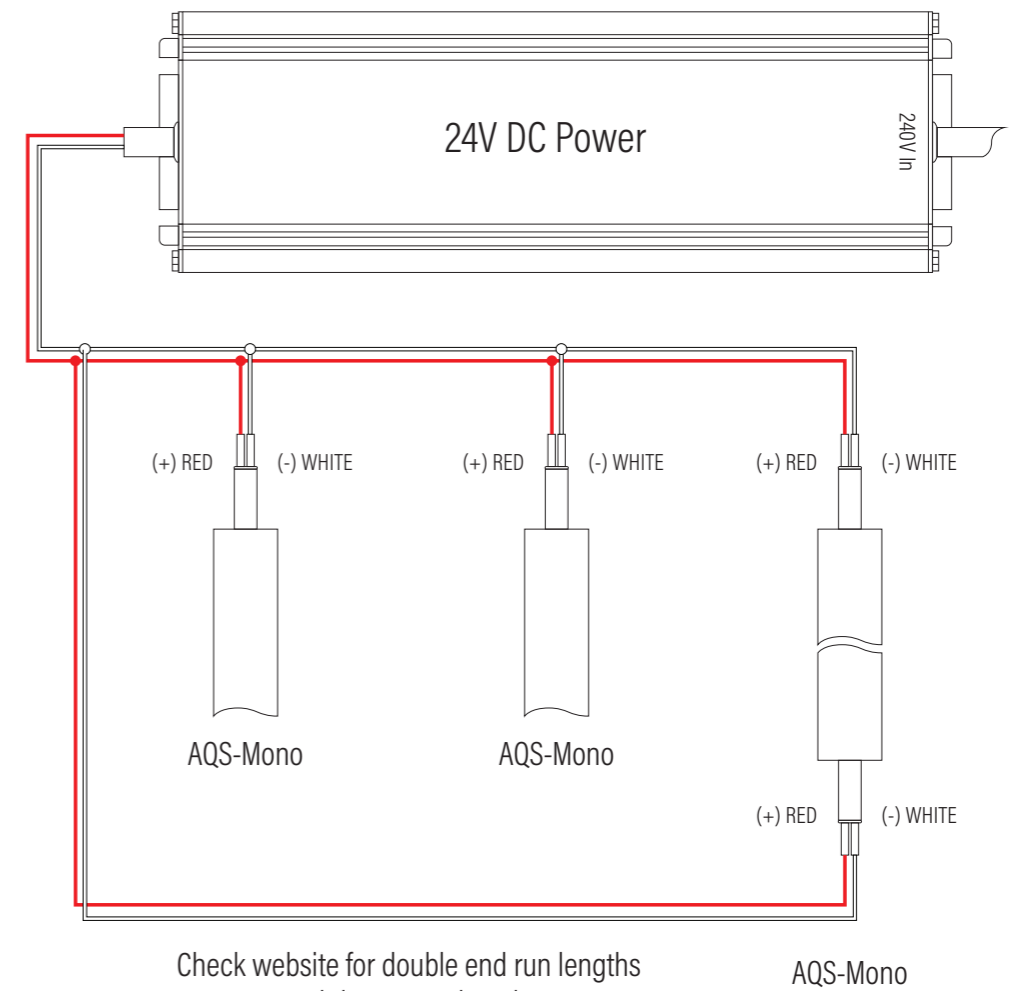
37

Aqualux Codes

AQD24-040

AQD24-100

AQD24-240



Check website for double end run lengths
3 Fitting Example only

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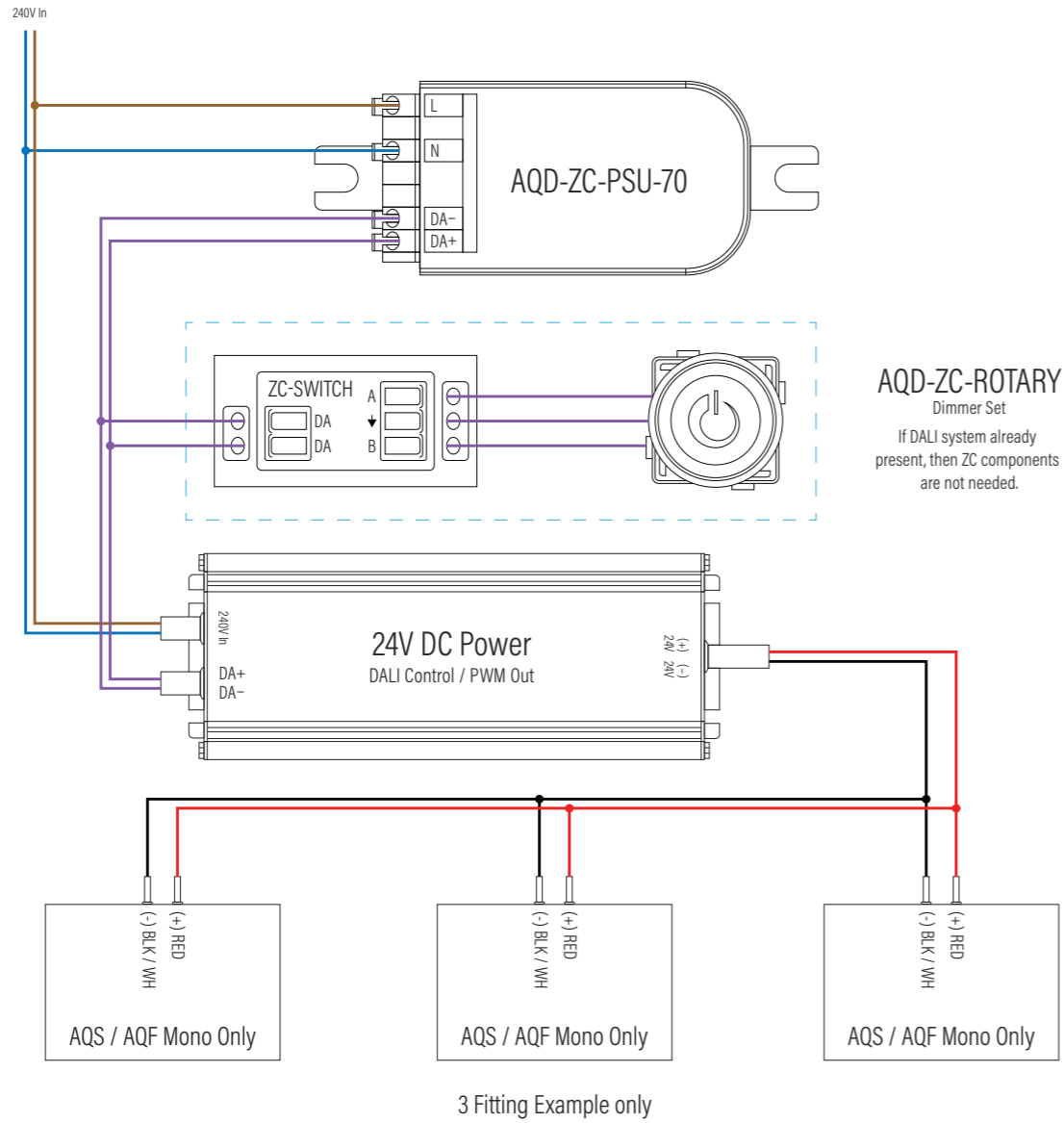


Wiring Diagram

Mono
24V DC
2 Wire
CV Dali Dimming

38

- Aqualux Codes**
- AQD-ZC-PSU-70
 - AQD-ZC-Rotary
 - AQD-PS-LDVP-XXX-24
 - AQD-PS-DDV-XXX-24



Dali dimming for mono fittings with 3 wire cable.



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JANUARY 2023

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