

Aqualux Lighting
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Landscape Lighting System

2016/1

Hydra / Brass





Hydra / Brass

The Hydra range is constructed around the best-selling ASL-01-BR spot light. Built using solid cast, aged brass, the Hydra family of outdoor luminaires is a rock-solid platform for creating a dependable and long-lasting landscape lighting solution.

Utilise our class-leading LED lamps for the ultimate in performance and design creativity, allowing you and your clients to develop the perfect landscape lighting project.



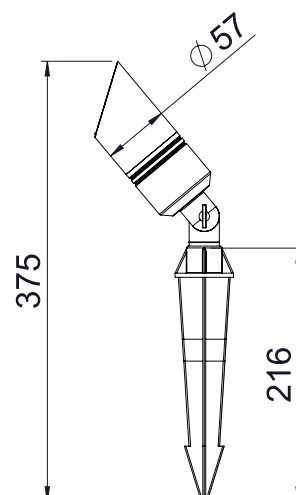
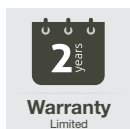
ASL-01-BR

Spike Uplight



TECHNICAL

Product Codes	ASL-01-BR	
Description	Spike Uplight	
Product Family	Hydra	
Mounting	Spike	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



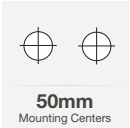
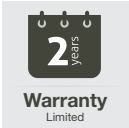
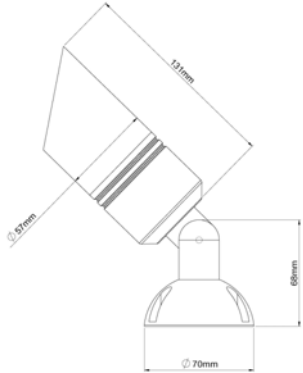
ASL-01-BR-SM

Adjustable Surface Light



TECHNICAL

Product Codes	ASL-01-BR-SM		
Description	Adjustable Surface Mount Spotlight		
Product Family	Hydra		
Mounting	Surface		
Construction	Solid Cast & CNC Machined Brass	Pre-Aged	
Electrical	GX5.3 MR16 Lamp		
Cable	500mm Twin Lead		
IP Rating	IP65		
Warranty	Aqualux 2-Year Limited Warranty		
Additional	Use with AGL-250 LED Lamps		



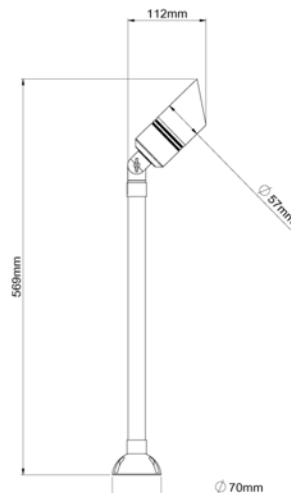
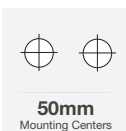
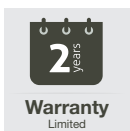
ASL-01-BR-SMS38

Adjustable Surface Uplight



TECHNICAL

Product Codes	ASL-01-BR-SMS38	
Description	Adjustable Surface Mount Spotlight 38CM	
Product Family	Hydra	
Mounting	Surface	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



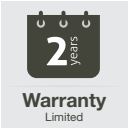
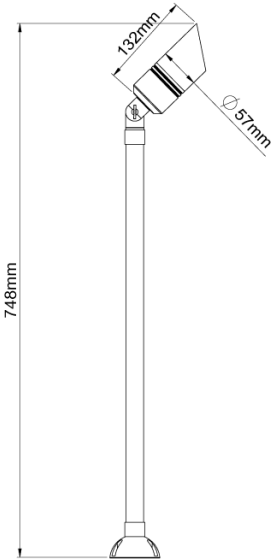
ASL-01-BR-SMS60

Adjustable Surface Uplight



TECHNICAL

Product Codes	ASL-01-BR-SMS60	
Description	Adjustable Surface Mount Spotlight 60CM	
Product Family	Hydra	
Mounting	Surface	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



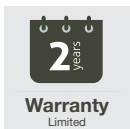
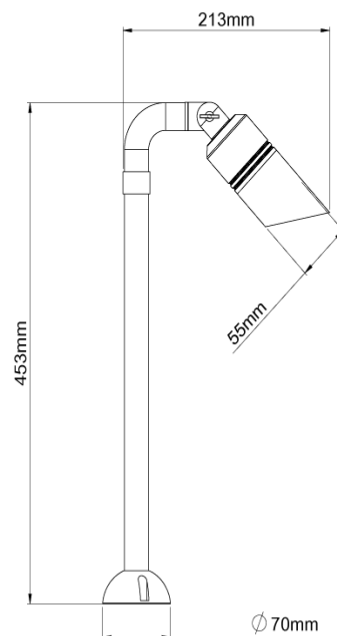
ASL-01-BR-SMS38EL

Adjustable Pathlight



TECHNICAL

Product Codes	ASL-01-BR-SMS38EL	
Description	Surface Mount Pathlight 38CM	
Product Family	Hydra	
Mounting	Surface	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



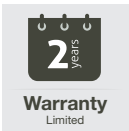
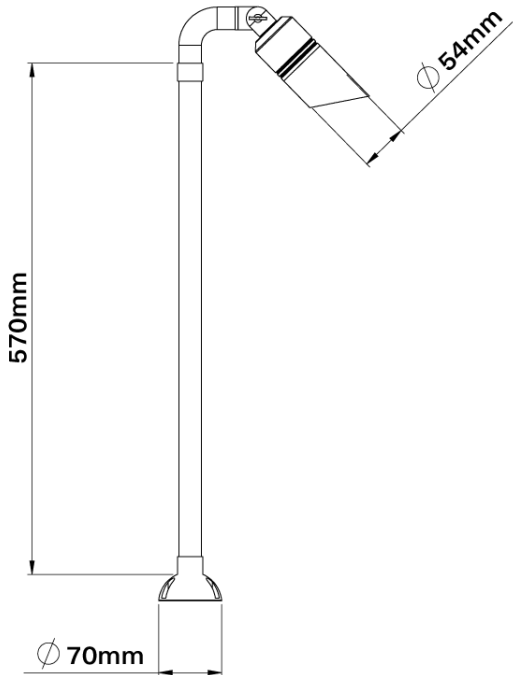
ASL-01-BR-SMS60EL

Adjustable Pathlight



TECHNICAL

Product Codes	ASL-01-BR-SMS60EL		
Description	Surface Mount Pathlight 60CM		
Product Family	Hydra		
Mounting	Surface		
Construction	Solid Cast & CNC Machined Brass	Pre-Aged	
Electrical	GX5.3 MR16 Lamp		
Cable	500mm Twin Lead		
IP Rating	IP65		
Warranty	Aqualux 2-Year Limited Warranty		
Additional	Use with AGL-250 LED Lamps		



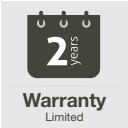
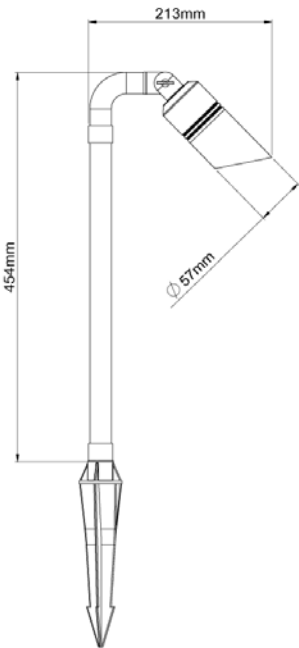
ASL-01-BR-SPS38EL

Adjustable Spike Pathlight



TECHNICAL

Product Codes	ASL-01-BR-SPS38EL	
Description	Spike Pathlight 38CM	
Product Family	Hydra	
Mounting	Spike	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



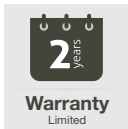
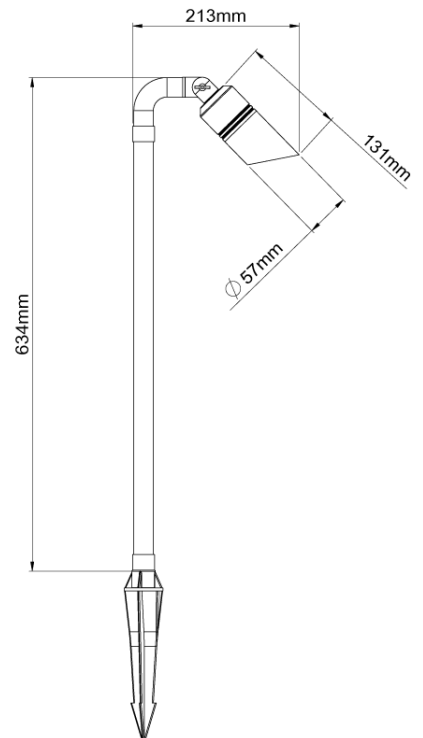
ASL-01-BR-SPS60EL

Adjustable Spike Pathlight



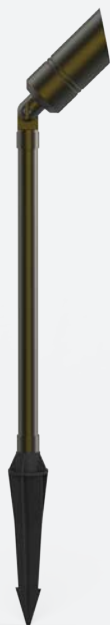
TECHNICAL

Product Codes	ASL-01-BR-SPS60EL	
Description	Spike Pathlight 60CM	
Product Family	Hydra	
Mounting	Spike	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



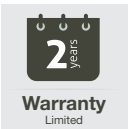
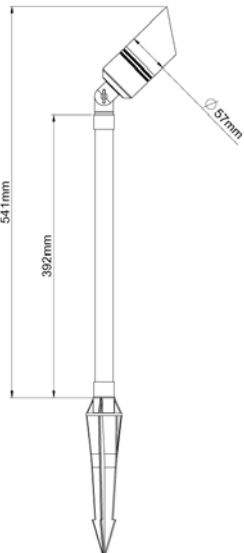
ASL-01-BR-SPS38

Adjustable
Spike Uplight
380mm



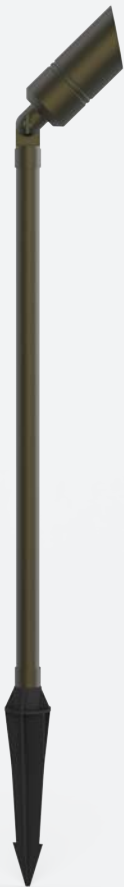
TECHNICAL

Product Codes	ASL-01-BR-SPS38	
Description	Spike Uplight 38CM	
Product Family	Hydra	
Mounting	Spike	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



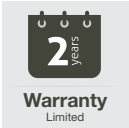
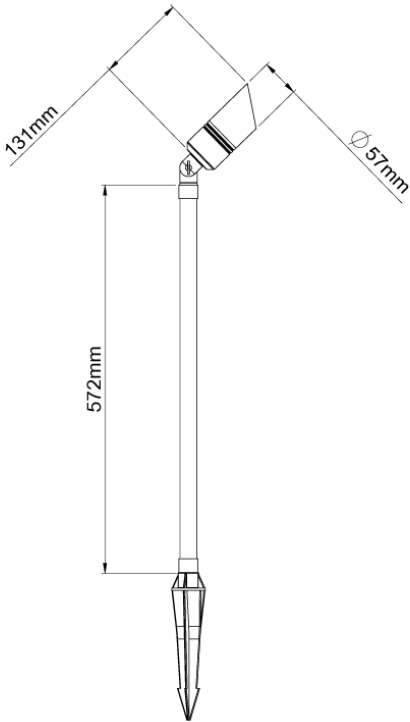
ASL-01-BR-SPS60

Adjustable Spike Uplight 600mm



TECHNICAL

Product Codes	ASL-01-BR-SPS60	
Description	Spike Uplight 60CM	
Product Family	Hydra	
Mounting	Spike	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



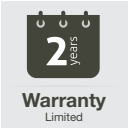
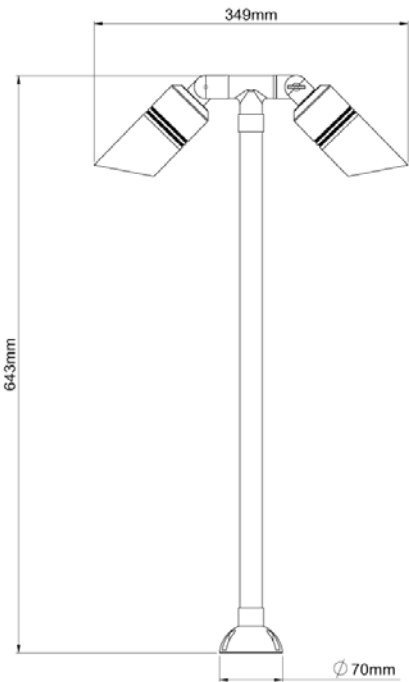
ASL-01-BR-SMT60

Twin Adjustable Surface Pathlight



TECHNICAL

Product Codes	ASL-01-BR-SMT60		
Description	Surface Mount Twin Pathlight		
Product Family	Hydra		
Mounting	Surface		
Construction	Solid Cast & CNC Machined Brass	Pre-Aged	
Electrical	GX5.3 MR16 Lamp		
Cable	500mm Twin Lead		
IP Rating	IP65		
Warranty	Aqualux 2-Year Limited Warranty		
Additional	Use with AGL-250 LED Lamps		



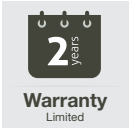
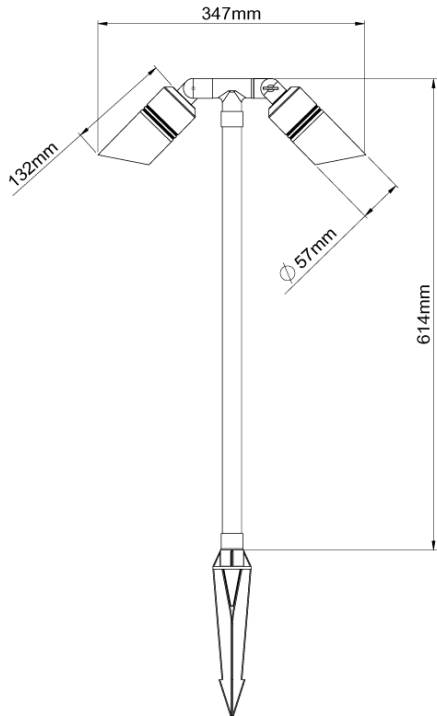
ASL-01-BR-SPT60

Twin Adjustable Spike Pathlight



TECHNICAL

Product Codes	ASL-01-BR-SPT60		
Description	Twin Spike Pathlight		
Product Family	Hydra		
Mounting	Spike		
Construction	Solid Cast & CNC Machined Brass	Pre-Aged	
Electrical	GX5.3 MR16 Lamp		
Cable	500mm Twin Lead		
IP Rating	IP65		
Warranty	Aqualux 2-Year Limited Warranty		
Additional	Use with AGL-250 LED Lamps		



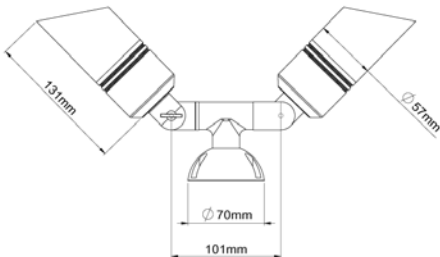
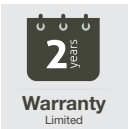
ASL-01-BR-SMT

Twin Adjustable Surface Light



TECHNICAL

Product Codes	ASL-01-BR-SMT	
Description	Twin Surface Mount Light	
Product Family	Hydra	
Mounting	Surface	
Construction	Solid Cast & CNC Machined Brass	Pre-Aged
Electrical	GX5.3 MR16 Lamp	
Cable	500mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Use with AGL-250 LED Lamps	



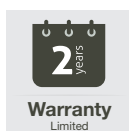
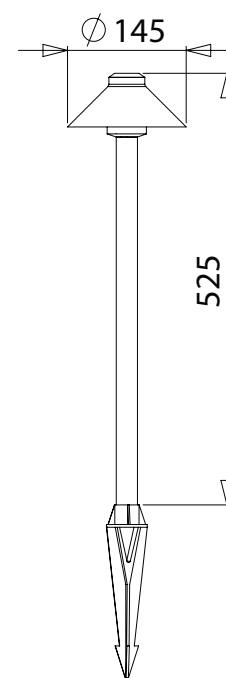
ABL-01-BR-LED

Pathlight



TECHNICAL

Product Codes	ABL-01-BR-LED	
Product Family	Hydra	
Mounting	Spiked Bollard	
Construction	Solid Cast Brass	Aged Brass
Electrical	12 ~ 24V AC/DC	12 - 24V AC / DC
Cable	200mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	Integrated CREE LED 3000K	
	Surface Mount Available	



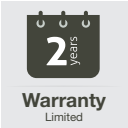
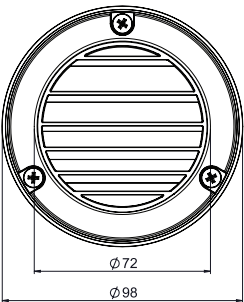
AWL-02-BR

Steplight



TECHNICAL

Product Codes	AWL-02-BR	
Product Family	Hydra	
Mounting	Slotted Brass Steplight	
Construction	Solid Cast Brass	Aged Brass
Electrical	SELV	G4 JC-Type SELV
Cable	200mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	12~24V CREE LED Option	



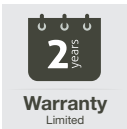
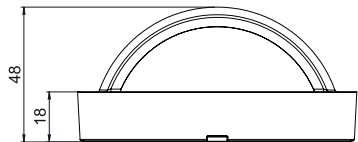
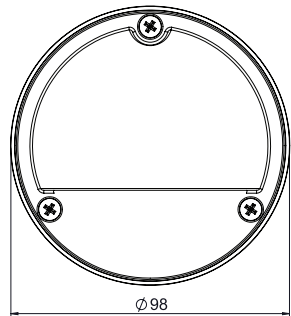
AWL-01-BR

Steplight



TECHNICAL

Product Codes	AWL-01-BR	
Product Family	Hydra	
Mounting	Slotted Brass Steplight	
Construction	Solid Cast Brass	Aged Brass
Electrical	SELV	G4 JC-Type SELV
Cable	200mm Twin Lead	
IP Rating	IP65	
Warranty	Aqualux 2-Year Limited Warranty	
Additional	12~24V CREE LED Option	





Aqualux LED Globes

A complete range designed for landscape lighting

Features

- 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.



AVAILABLE Q1 2016
New 7W / 550lm LED globe for landscape lighting

AGL-550-30X36
3000K / 36° / 550LM / 7W



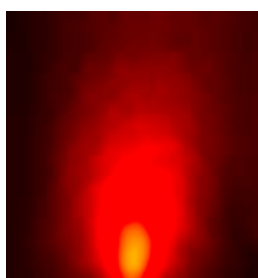
AGL-250-30X38
3000K / 38° / 250LM / 4W



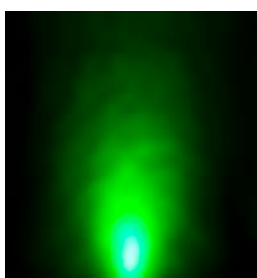
AGL-250-55X30
5500K / 38° / 250LM / 4W



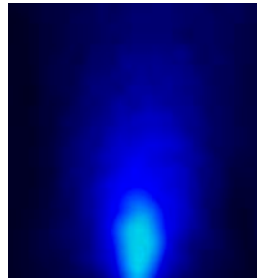
AGL-250-30X10
3000K / 10° / 235LM / 4W



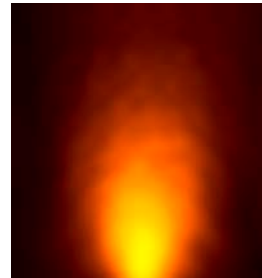
AGL-250-RDX38
RED 627NM / 38° / 4W



AGL-250-GNX38
GREEN 530NM / 38° / 4W



AGL-250-BUX38
BLUE 470NM / 38° / 4W



AGL-250-AMX38
AMBER 590NM / 38° / 250LM / 4W

Product Codes

New Code	CCT / Color	Flux	Power	Previous Code
AGL-250-30X38	3000K	250lm	4W	AGL-MR16-LED-4W-WW
AGL-250-55X38	5500K	250lm	4W	AGL-MR16-LED-4W-CW
AGL-250-30X10	3000K	235lm	4W	-
AGL-250-RDX38	Red / 627nm	-	4W	AGL-MR16-LED-4W-RD
AGL-250-GNX38	Green / 530nm	-	4W	AGL-MR16-LED-4W-GN
AGL-250-BUX38	Blue / 470nm	-	4W	AGL-MR16-LED-4W-BU
AGL-250-AMX38	Amber / 590nm	-	4W	AGL-MR16-LED-4W-AM

IP, IK Rating & CCT Information

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.

	Digit	Protection
1st	0	No Protection
	1	Protected against ingress of objects => 50mm 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	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 continous immersion in water.

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.

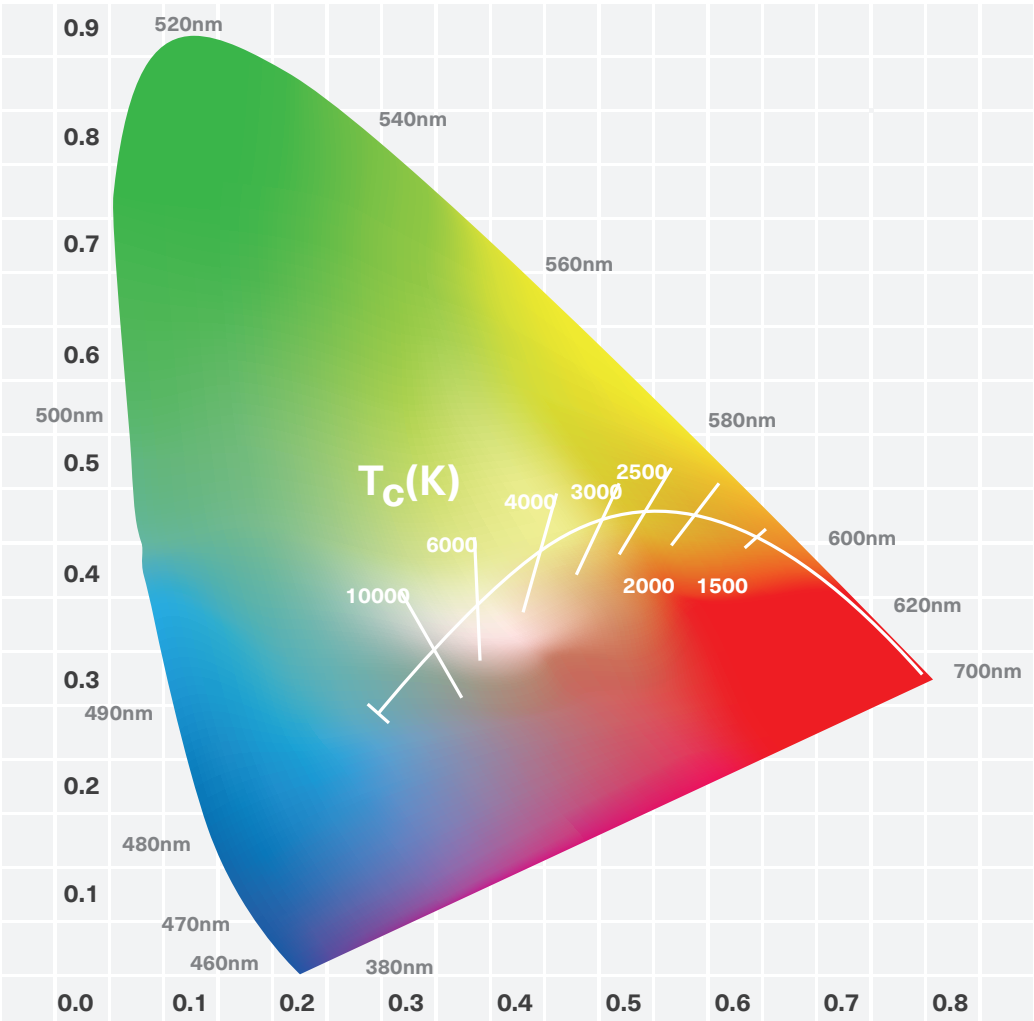
IK00	Not protected
IK01	Protected against 0.14 joules impact. Equivalent to impact of 0.25 kg mass dropped from 56 mm above impacted surface.
IK02	Protected against 0.2 joules impact. Equivalent to impact of 0.25 kg mass dropped from 80 mm above impacted surface.
IK03	Protected against 0.35 joules impact. 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. 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



Blackbody locus drawn through the CIE 1931 x,y

Warranty Information

Aqualux Limited Warranty Certificate & Information / 2016-1

Aqualux designs and manufactures advanced landscape lighting of many different varieties. We utilise the highest grade components sourced from around the globe and assembled in our quality-controlled Sydney, Australia facility. From time-to-time, for a number of possible reasons, our products may experience an issue after installation. This warranty guide 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 or by similarly 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-users risk. Where warranty issues arise, Aqualux is limited in it's liability to the cost of repairing or replacing the product only.

Examples of remote & unusual installations include (but are not limited to) jobs which 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: 1300-662-644.

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 very unique and previously impossible lighting effects to be achieved, it is still a sensitive electronic device that is potentially subject to failure through a variety of modes including improper handling during installation. Aqualux is not liable for any costs associated with accessing or replacing AQS-Series strip.

Warranty Claims Procedure

To make a claim for service to repair or replace 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.

Warranty Period

Family	Mechanical	Electrical	AqualuxPLUS+
Lumena	3 Year	3 Year	6 Year Total
Phoenix	3 Year	3 Year	6 Year Total
Artisan	10 Year	3 Year	N/A
Hydra	2 Year	2 Year	6 Year Total
Elements	2 Year	2 Year	N/A
Aquatran	10 Year	10 Year	N/A
Orion / Polaris	3 Year	3 Year	N/A
AQS Strip Lighting	2 Year	2 Year	N/A
AGL LED Globes	2 Year	2 Year	N/A

Cable Termination Requirements

Cable terminations and joins MUST be IP68 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 void any warranty available from Aqualux.

Examples of inadequate joining methods:

- 1) Terminal block + electrical tape
- 2) Twisted wires (no solder) + electrical tape.
- 3) Multiple conductor bundles & terminations that are not IP rated.

Aqualux PLUS+

The Aqualux PLUS+ warranty program is an option available on select models to enhance the warranty we are able to offer. Unlike other extended-warranty schemes, Aqualux PLUS+ includes an additional cable adapter designed to both prevent moisture siphoning into the fitting as well as facilitated rapid replacement should there be a problem in the field.

1. AqualuxPLUS+ Warranty is offered in addition to our basic warranty and extends the time period during which we will continue to honor our basic warranty obligations.

2. In the event of a product failure and that product is covered by the AqualuxPLUS+ scheme, we will ship a replacement product to the site and include a return postage option for the failed product to be shipped back at our cost. The actual replacement of AqualuxPLUS+ products is to be performed by the customer or end-user.

3. AqualuxPLUS+ does not extend our liability for incidental or consequential damages including but not limited to any additional installation costs.

4. AqualuxPLUS+ fees may vary from time to time. AqualuxPLUS+ warranty options cannot be renewed.

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 to 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.

Warranty is subject to the following limitations:

1. Defects that are, in the sole judgment of Telectran, the result of accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, unauthorized repair, modification, or acts of God will not be covered by this warranty.
2. Telectran shall not be liable for incidental or consequential damages, including but not limited to labor 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 labor costs involved in the removal of goods or the installation of replacement goods.

3. If a problem develops with a product during the warranty period call or write 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 AUTHORIZATION 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.

4. All claims under this warranty must be made in writing. Upon receipt of claim, the Company shall inspect the part or parts claimed to be defective, and the Company shall repair, or at it's option, replace, free of charge, any part or parts which the Company determines to have been defective at the time of shipment from the factory; provided, however, that if circumstances are such as to preclude the remedying of warranted defect by repair or replacement, the Company shall, upon return of the products, refund to buyer any part of the purchase price of the products theretofore paid to the Company. Inspection shall, at the Company's option, be performed at the Company's plant, or at such other place as may be designated by the Company.

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