

HALO

Data Sheet

HALO ULR LV

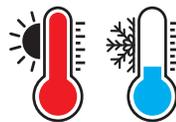
(Ultra Long Range Low Voltage)



HALO ULR (Ultra Long Range) is a premium grade specialized high performance LED strip lighting solution that is available in both the **LV 'low Voltage'** solution similar in function to **HALO 1**, and the **ELV 'Extra Low Voltage'** solution similar in function to **HALO 2**, however with the capacity to manage **ULTRA LONG DISTANCES** with high lumen outputs.

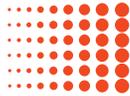
The **HALO ULR LV** connects very conveniently directly to the available general supply voltage much like any normal household appliance would, without the need for any external components such as conventional power converters, with all necessary components built directly into the LED strip itself.

- Premium Grade Lighting
- 100% Waterproof - IP68 rated
- Dust-Tech Tm Integrated dust repellent technology
- Proven life expectancy exceeding 10 years
- Designed to manage continuously on conditions 24/7/365
- Suited for extreme heat/extreme cold operating temperatures from -45 °C (-49 °F) to +45 °C (+113 °F)
- Non-Corrosive
- Fire retardant
- Zero toxicity when burned
- Halogen free cabling
- Zero maintenance
- Patented 2013
- Double for Your Trouble
- Upgrades available.

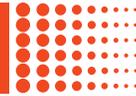


ANTI-CORROSION





FEATURES



FIRE

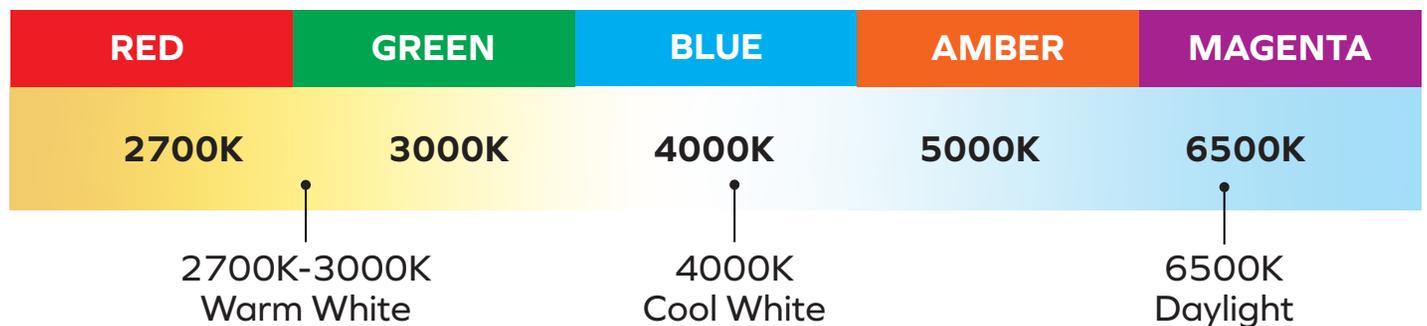
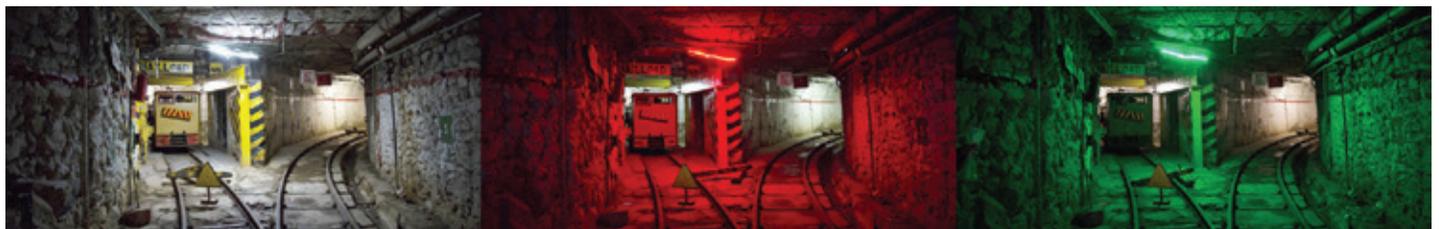


WATER



ICE

HALO ULR is available in all popular colours.



HALO ULR IS SUITABLE FOR THE FOLLOWING APPLICATIONS

- Mining
- Commercial
- Industrial
- Gas
- Petrochemical
- Marine Craft
- Military
- Submarine
- Ports
- Tunnels
- Subways
- Roadways
- Residential
- Architectural



INSTALLATION

The **HALO ULR LV** strip lighting is supplied in 1-to-25-meter roll lengths, either as a 'bare roll' of LED Strip with accessories separate, or arriving complete with factory fitted male and female adapters on either end for quick "plug and play TM" assembly.

The 'Self Assembly' configuration is designed with 'simplicity' in mind & can be easily managed by unskilled personnel, with written instructions found in user manual, & visual demonstration on the **HALO** YouTube page.

The **HALO ULR LV** LED strip lighting is simply connected to the available electrical supply at one end via a normal two wire connection being 'live' & 'neutral', & then the entire length of **HALO** LED Strip lighting will become energized & illuminated without the need for any further connections.

For most typical underground overhead or vertical installations, the **HALO** LED strip lighting is attached to straining wires by means of our purpose made '**HALO CLIPS**', with most other general installations making use of the **HALO ALUMINIUM CHANNELS** with optional covers, however the **HALO ULR LV** LED strip lighting may be attached to most surface structures through the use of glue, or lightly tightened cable ties.



Things to avoid during installation:

- Sharp bends on LED strip
- Unsupported and hanging on own weight
- Stress on connectors
- Stress on LED strip

SOS COMPATIBILITY

Strategic Optimal Synergy

HALO SOS COMPATIBILITY allows for multiple & diverse HALO product compatibility & interchangeability to provide a wholistic & full turnkey solution for all your lighting requirements:



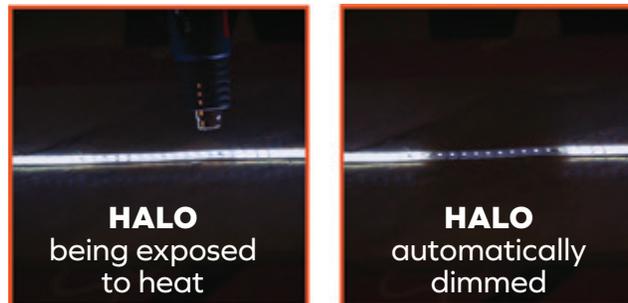
HALO ULR LV SOS (Strategic Optimal Synergy)

- HALO 1
- HALO 3
- HALO SIGNAL
- HALO ULTRA LONG RANGE
- HALO EMERG
- HALO DAISY CHAIN
- HALO ULTRA BRIGHT
- HALO APEX
- HALO PORTABLE

OPTIONAL UPGRADES

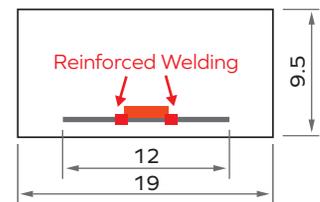
TEMP-TECH™

With this upgrade, each PCB or LED cluster segment is fitted with intelligent temperature management technologies, which will in the event of exposure to dangerously high temperatures, it will automatically dim the specific PCB affected only, thereby allowing the LED's to return back to within safe temperature parameters, and once this has been achieved, then the LED's will automatically return to full power lumen output.



TOUGH-TECH™

This upgrade includes almost doubling the protective silicone extrusion further increasing the impact resistance to unbelievable levels of IK09, plus the implementation of reinforced internal welded connections.



MOOD-TECH™

With the MOOD-TECH™ upgrade, you can soften the temperament of your lighting providing zones with a more softer mood, for communal areas such as canteens, refuge bays, meeting areas and more without compromising on high lumen output.

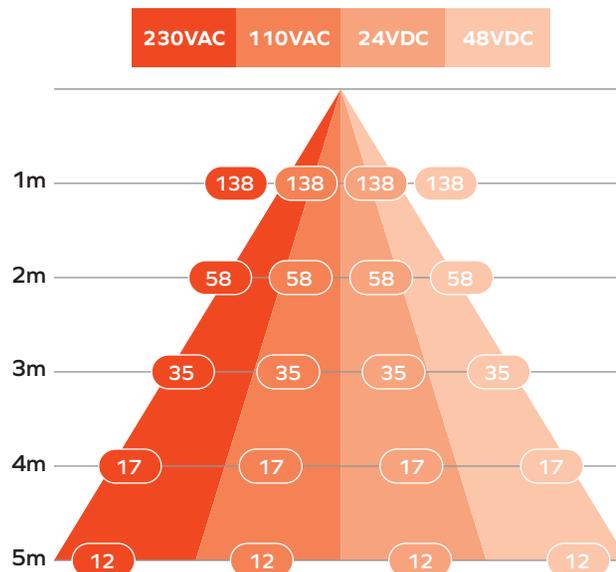


SPECIFICATIONS

HALO ULR - 230VAC / 110VAC (LV - Low Voltage)

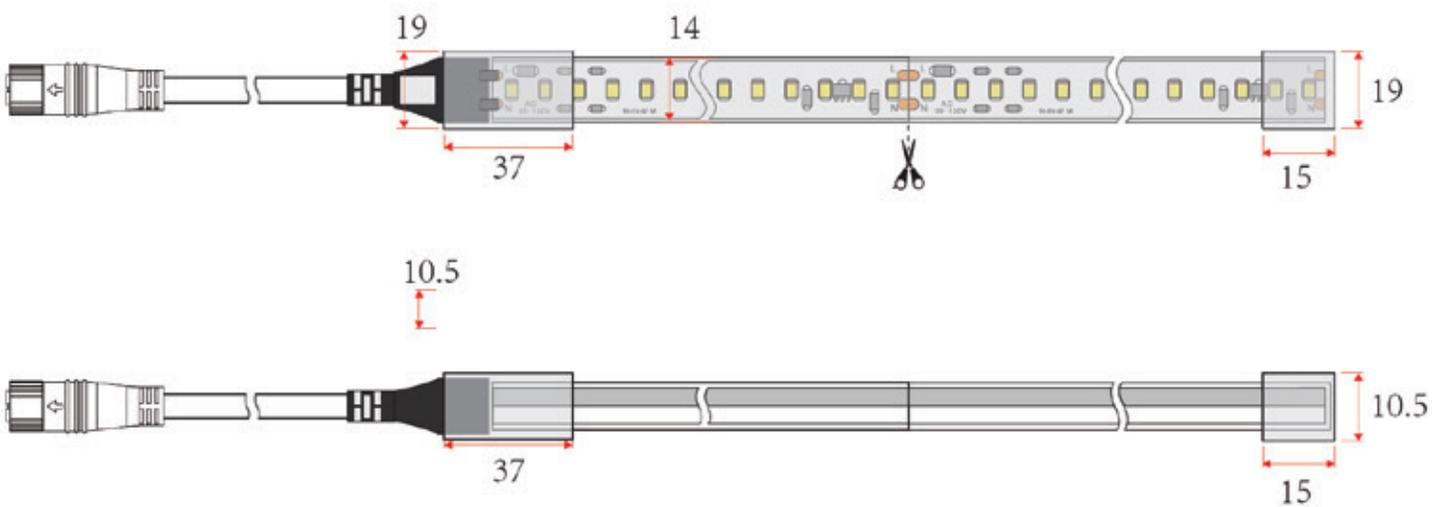
Category	HALO-ULR-230V	HALO-ULR-110V
Voltage rating	230VAC	110VAC
Range fed from ONE side	250 Metres	150 Metres
Range fed from BOTH sides	NA	NA
Operating temperature	-40°C - 45°C	-40°C - 45°C
IP Rating	68	68
Power Consumption /metre	8W	8W
Colour Rendering Index (CRI)	>80	>80
Colour temperature	5500 Kelvin	5500 Kelvin
Lumens per metre	>800	>800
Supply Voltage VAC	200 ~ 240VAC	90 ~ 130VAC
Expected Lifespan	10 Years +	10 Years +
Warranty Lighting	5 Years	5 Years
Fire Retardant	Yes	Yes
Outer Extrusion	Food Grade Silicone	Food Grade Silicone
Dimensions	7mm x 14mm	7mm x 14mm
Tensile Strength	+ 50kg - 60kg	+ 50kg - 60kg
Overheat Protection	Yes	Yes
Dust Repellant	Yes	Yes

HALO ULR 230VAC | 110VAC | 24VDC | 48VDC LIGHT GRAPH

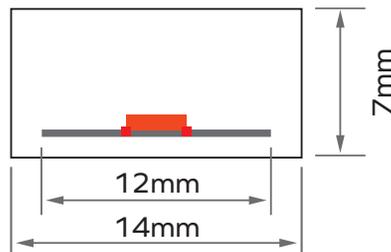


Measured in lux
Readings may vary slightly depending on site conditions

TECHNICAL DRAWINGS

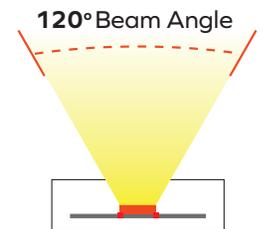


HALO ULR LV Profile



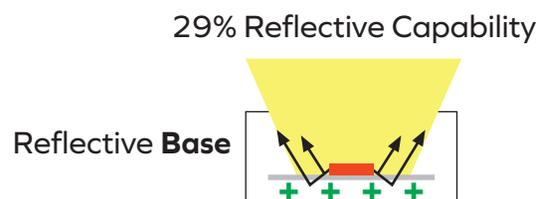
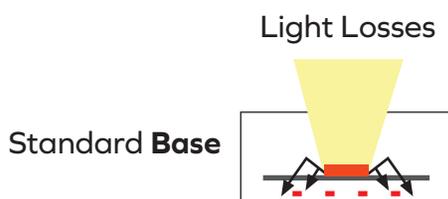
FOCUS-TECH™

With the implementation of FOCUS-TECH™ technologies as a standardized upgrade on all HALO LED Lighting; all LED's now have a focused 120° beam angle which considerably improves light quality, efficiency & intensity with a remarkable increase in lumen output.



REFLECT-TECH™

All HALO LED Strip lighting configurations has as a standard feature the incorporation of our REFLECT-TECH™ technologies, this feature incorporates cutting edge reflective technologies, meticulously engineered to cover the entire PCB LED base, thereby reflecting all previously lost lumen output, into the main beam of lighting, drastically increasing the efficiency of your lighting.



PART NUMBER GENERATION

SPECIFICATIONS		HALO
Category	ULR	ULR
Voltage Rating	230VAC	110VAC

Example: HALO + ULR + 230VAC = HALO - ULR - 230VAC

WARRANTY

5 YEAR WARRANTY - 2.5 Year 'Double for your trouble'

HALO products have a proven lifespan exceeding 10 years, with **HALO ULR LV** carrying a full **5-year warranty**, this warranty is backed up with a '**Double for your trouble**' replacement policy for the **first 2.5 years**, which means that we replace double the quantity of any product failures as quickly and as efficiently as possible.

Limited to LED strip lighting excluding accessories falling under general 'one-for-one' warranty replacement policies. With **HALO**, even when you think you lose, you always win.



Whatever the trouble... receive back **DOUBLE!**

CERTIFICATIONS

ISO9001:2015 SAA | RCM, CE ROHS (TUV) | ETL - C / US (Intertek) | Fire Resistant (MASC) | Toxicity (Firelab) | Anti-Static (MASC) | FCC (GTS) | Dustproof, IP68 Waterproof



HALO

halosolutions.co.za

