

# Technical Data

## Halo HP



## Overview

The HALO HP is HALO's most versatile LED strip light. It can be used in any application from aquatic applications (swimming pools, boating and marine, jetties, aquariums, fishponds), residential, architectural, commercial and industrial applications, including mining. HALO HP is available in 12VDC with car lighter power adaptors available to offer you limitless options.

HALO HP lighting system boasts lighting outputs between 1600 to 1800 Lumen per meter within the expected lifespan of more than 5 years.

## Safety

Please ensure the installation is in compliance with AS/NZS 3000:2018 and that all standard electrical protection devices are in place as with any normal lighting installation. HALO has implemented its own "fail safe protection" which is provided with any high voltage HALO solution. This ensures immediate isolation of the electricity feed should the integrity of the LED strip lighting be compromised.

## Design

HALO HP has an outstanding feature which allows the user to select whatever length is required and within minutes that customized length can be terminated and switched on. The process is so easy that anyone can do it. It takes only a few minutes to apply the easy to use accessories and it is ready.

### Step by Step Instructions



## Range

### AC Variants

HALO 240VAC is capable of runs of 100m from a single power source.

### DC Variants

The LED strip lighting can extend indefinitely by installing more power controllers along the way.

- HALO 12VDC can run 5m when fed from one end and 10m when fed from both ends.
- HALO 24VDC solution can run 20m when fed from one end and 40m when fed from both ends.
- HALO 48VDC solution can run 30 m when fed from one end and 60m when fed from both ends.

Distributed in Australia by



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SPECIFICATION

# Halo HP - 240VAC

Category	ALPHA	BETA	GAMMA
Description	AC230V		
LED Make	EPISTAR		
LED Type	SMD 2835	SMD 2835	SMD 2835
LED Configuration	120	90	60
Range fed from ONE side	100+ Meters		
Range fed from BOTH sides	NA		
Operating Temperature	-40 - +45 degrees C		
IP Rating Strip	68		
IP Rating Connectors	68		
Power Consumption per Meter	14+ Watts	10.5+ Watts	7+Watts
Colour Rendering Index CRI	> 80		
Colour Temperature	5500 Kelvin		
Luminous Efficacy	120 Lumens / Watt	110 Lumens / Watt	110 Lumens / Watt
Lumens P/M	1700 - 1800	1200 - 1300	900 - 1000
Supply Voltage VAC	200 ~ 240 VAC	200 ~ 240 VAC	200 ~ 240 VAC
Light Maintenance	15% - 20% Drop in 4 Years	15% - 20% Drop in 4 Years	15%-20% Drop in 4 Years
Expected Lifespan	5 - 10 Years	5 - 10 Years	5 - 10 Years
Warranty Lighting	3 Years	3 Years	3 Years
Fire Retardant	Yes	Yes	Yes
Outer Covering	Food Grade Silicone	Food Grade Silicone	Food Grade Silicone
Dimensions	5mm X 14mm	5mm X 14mm	5mm X 14mm
Connectors	User Fitted	User Fitted	User Fitted
Tensile Strength	+20kg	+20kg	+20kg
Overvoltage Protection	Yes	Yes	Yes
Overheat Protection	No	No	No
Dust Repellent	Yes	Yes	Yes
Min Cutting	125mm	167mm	250mm
Packing	50/100 Meters Reels	50/100 Meter Reels	50/100 Meter Reels

SPECIFICATION

# Halo HP - 12 / 24 / 48VDC

	SPECIFICATIONS		SPECIFICATIONS	
Category	ALPHA	GAMMA	ALPHA	
Description	DC12V		24VDC	48VDC
LED Make	EPISTAR		EPISTAR	
LED Type	SMD 2835	SMD 2835	SMD 2835	
LED Configuration	120	60	120	120
Range fed from ONE side	5+ Meters		10+ Meters	30+ Meters
Range fed from BOTH sides	10+ Meters		20+ Meters	60+ Meters
Operating Temperature	-40 - +45 degrees C		-40 - +45 degrees C	
IP Rating Strip	68		68	
IP Rating Connectors	68		68	
Power Consumption per Meter	12+ Watts	6+ Watts	12+ Watts	
Colour Rendering Index CRI	> 80		> 80	
Colour Temperature	5500 Kelvin		5500 Kelvin	
Luminous Efficacy	91.7 Lumens / Watt	100 Lumens / Watt	91.7 Lumens / Watt	104 Lumens / Watt
Lumens P/M	1200 -1300	800 -900	1100	1200 - 1300
Supply Voltage VAC	12VDC	12VDC	24VDC	48VDC
Light Maintenance	15% - 20% Drop in 3 Years	15%-20% Drop in 3 Years	15% - 20% Drop in 5 Years	15%-20% Drop in 4 Years
Expected Lifespan	5 - 10 Years	5 - 10 Years	5 - 10 Years	
Warranty Lighting	3 Years	3 Years	3 Years	
Fire Retardant	Yes	Yes	Yes	
Outer Covering	Food Grade Silicone	Food Grade Silicone	Food Grade Silicone	
Dimensions	5mm X 14mm	5mm X 14mm	5mm X 14mm	
Connectors	User Fitted	User Fitted	User Fitted	
Tensile Strength	+20kg	+20kg	+20kg	
Overvoltage Protection	No	No	Yes	
Overheat Protection	No	No	No	
Dust Repellent	Yes	Yes	Yes	
Min Cutting	25mm	50mm	50mm	
Packing	50/100 Meters Reels	50/100 Meter Reels	50/100 Meters Reels	50/100 Meter Reels