



HALO2 LED STRIP LIGHT EXTRA LOW VOLTAGE (E.L.V.)

Specifications

The HALO2 range of LED Strip lighting is the original low voltage design, which uses external power controllers to convert the available supply voltages, into a low voltage DC supply which energizes the LED's.

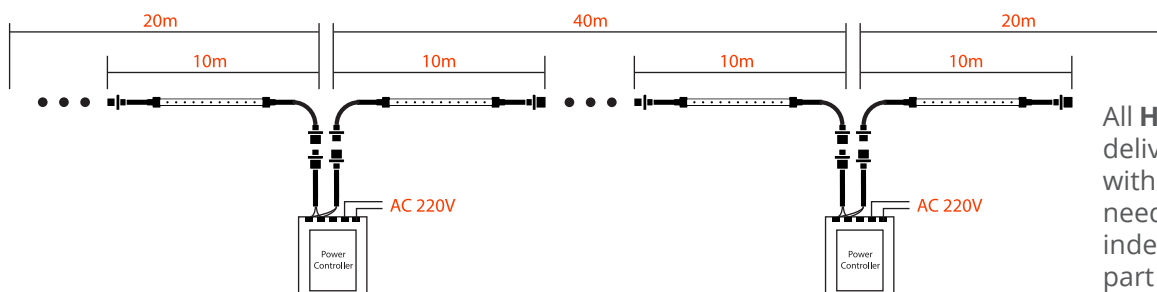
The HALO2 Lighting Solutions were designed for underground mines suitable for extremely harsh environments, however its versatility makes it a leader in its class for all applications ranging from extreme wet, extreme cold to extreme hot & everything else inbetween; every design aspect of HALO designs are based around providing unequalled performance, longevity & reliability in extremely harsh environments, which HALO has been delivering, with great worldwide success since 2010.



APPLICATIONS

- Mining • Commercial • Industrial • Petrochemical • Residential

HALO2 is a modular lighting system consisting of LED strip lighting manufactured in predetermined lengths, which can be interjoined together through a simple adaptor system to achieve the required lengths, or reduce the required lengths through unskilled labour.



All HALO2 lengths are delivered complete with all accessories needed to function independently, or as part of an extended interjoined system.



Typical 10m roll complete with factory fitted adaptors for "quick connect" to other lengths of HALO or 'universal' components, plus cable connector for independent usage connection.



INSTALLATION

All HALO lighting is technologically advanced equipment containing a large variety of sensors & specialized components to ensure its maximum longevity & optimal levels of performance & should always be treated with care during installation. Approved installation means includes the use of the HALO Installation Clips & the Aluminium Channel, any other proposed modes of installation should first be approved via HALO Technical to ensure that the lighting & warranty is not compromised.



HALO Clips Installation



HALO Aluminium Channel



Peabody Energy Corp USA



Oyu Tolgoi Mongolia

HALO2 is available in a variety of brightness levels with customize solutions available upon request

ALPHA
High Bright

BETA
High/Medium Bright

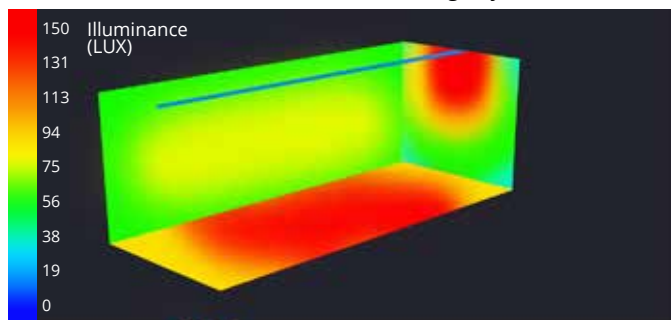
GAMMA
Medium Bright

DELTA
Medium/Low Bright

SPECIFICATIONS				
Category	ALPHA	DELTA	ALPHA	DELTA
Description	24VDC Constant Current		48VDC Constant Current	
LED Make	EPISTAR PHILIPS		EPISTAR	
LED Configuration	144	30	128	64
Range fed from one side	One Side 20 Metres		One Side 30 Metres	
Range fed from both sides	Both Sides 40 Metres		Both Sides 60 Metres	
Operating Temperature	-40 - +45 °C		-40 - +45 °C	
IP Rating Strip	68		68	
IP Rating Connectors	68		68	
Power Consumption per metre	12W	8W	12W	6W
Colour Rendering Index CRI	>80		>80	
Colour Temperature	5500 Kelvin		5500 Kelvin	
Luminous Efficacy	100L/W	80 L/W	130 L/W	130 L/W
Lumens p/m	1100 - 1200	600 - 700	1500 - 1600	700 - 800
Power Controller Supply Volts	85 - 265 VAC		85 - 265 VAC	
Light Maintenance	15% - 20% Drop in 5 Years		15% - 20% Drop in 5 Years	
Expected Lifespan	5 - 10 Years		5 - 10 Years	
Warranty Lighting	3 Years		3 Years	
Fire Retardant	Yes		Yes	
Outer Covering	Food Grade Silicone		Food Grade Silicone	
Dimensions	4.5mm x 14mm		4.5mm x 14mm	
Connectors	Factory Fitted		Factory Fitted	
Tensile Strength	50kg		50kg	
Over-voltage Protection	Yes		Yes	
Overheat protection	No		No	
Dust Repellent	Yes		Yes	
Packing	10m Joinable Segments		10m Joinable Segments	

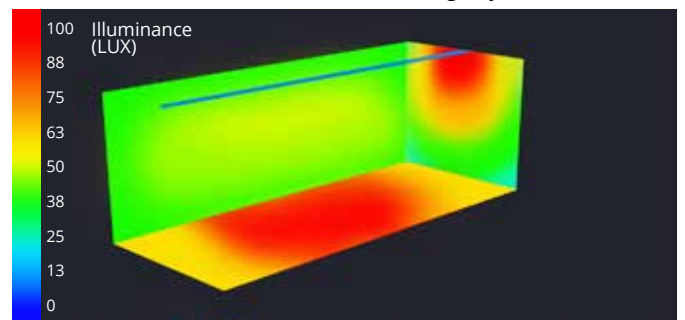
PHOTOMETRIC PERFORMANCE

Photometric data gathered through simulated 10m long installation of **HALO2-ALPHA-24V** in a 4m high by 4m wide tunnel

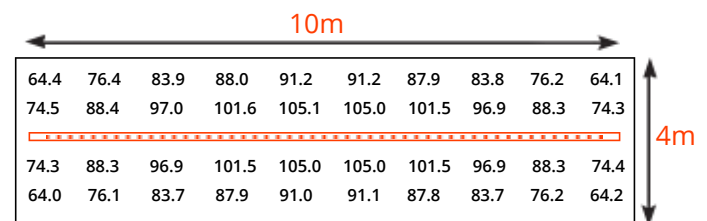


Avg: 134.64, Max: 162.7, Min: 99.0, Min/Avg: 0.74, Min/Max: 0.61

Photometric data gathered through simulated 10m long installation of **HALO2-DELTA-24V** in a 4m high by 4m wide tunnel



Avg: 86.94, Max: 105.1, Min: 64.0, Min/Avg: 0.74, Min/Max: 0.61



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