



Data Sheet HALO SABRE



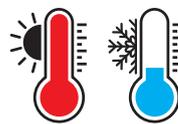
HALO SABRE is the world's first & only specialized lighting system, designed & developed exclusively for cranes & is named after the famous 'Light Sabres' used in the Star Wars movies, due to crane jib resembling a Star Wars plasma light sabre when lit with HALO SABRE.

This ingenious innovation not only provides an unrivalled excellent flood of lighting for low light or nighttime operations, but also masterfully combines industrial crane lighting with artistic architectural lighting, turning unsightly cranes into nighttime visual extravaganzas, providing unrivalled brand awareness by highlighting the horizon with your projects standing out as a 'clear cut above the rest'.

HALO SABRE is typically supplied in 5-metre segments but may be customized to any length upon request but cannot be cut or customized on site; these lighting segments are all pre-fitted with waterproof connectors that enables it to be easily installed by unskilled personnel in the 'HALO Plug & Play' inter-joinable configuration without the need of any tools or electrical connections whatsoever.

Also available is the **HALO SABRE AVIATION** warning light which incorporates our **ULTRA BRIGHT™** technologies to produce high visibility red flashing aviation signal lighting that is simply joined onto the **HALO SABRE** via the 'Plug & Play' configuration with ease, all of which is automatically controlled to switch on at night and off in the day through the HALO SABRE DAY/NIGHT SWITCH.

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

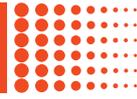


ANTI-CORROSION



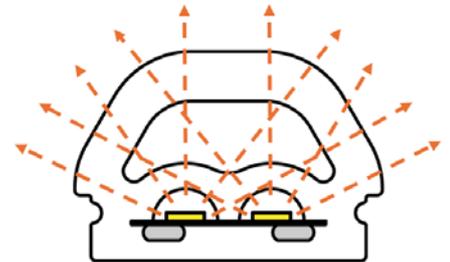


FEATURES



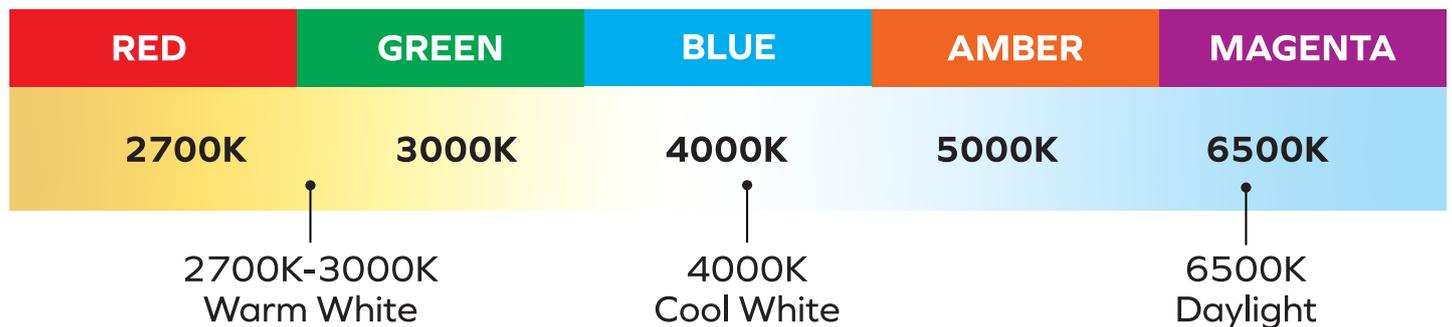
TWIN-TECH™

The **HALO SABRE** incorporates new cutting edge **TWIN LED** systems as part of our **TWIN-TECH™** innovation technological advancements, which provides a **very high lumen** output with extended longevity, & excellent overall lumen lighting distribution combined with crisp architectural lighting, making the **HALO SABRE** not only suitable for aesthetics but also construction functionality, safety and productivity.



COLOURS

HALO SABRE is available in all colours & colour temperatures to suit your company theme; it can also be supplied in a variety of colour segments to form a multicoloured HALO SABRE blade or otherwise known as horizontal jib.





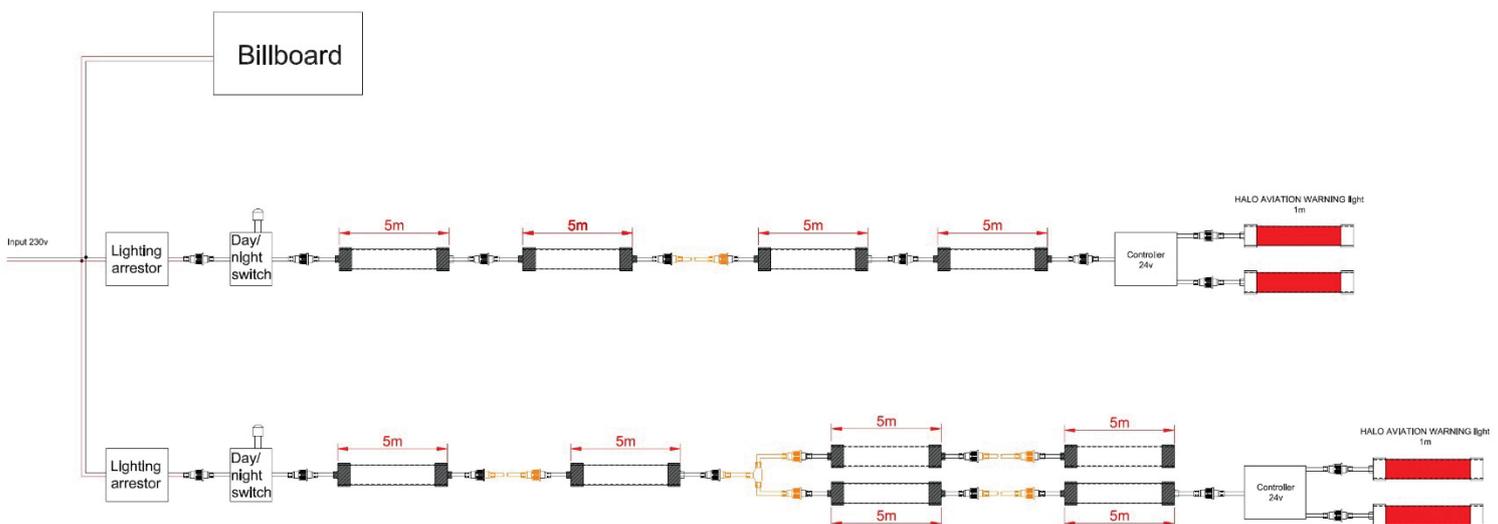
INSTALLATION

HALO SABRE is designed to simply plug into any existing socket very similar to how you would plug a household appliance in, & this would typically occur in the 'Operators Cab' & is supplied in a 'Plug & Play' design with all lighting and components easily connected together without the need of tools or electrical connections.

The lighting comes complete with a socket to suit your requirement either 110VAC or 220VAC in any country configuration. From the socket connection, the cable should be extended to outside via the window opening in operators cab, followed by the optional HALO LIGHTNING ARRESTOR to protect against lightning strikes, thereafter the HALO DAY/NIGHT switch which will automatically switch the lighting system on at night and off in the day would follow, with all connecting easily with each other.

From the HALO DAY/NIGHT switch, the installation may branch out in any direction through using the various accessories such as the T-Piece, 4 Way Cross or the extension leads called 'Jumper Cables' (All highlighted in yellow in typical installation diagram below) all of which seamlessly fit together, & then joining the HALO SABRE lighting segments together to achieve the required project design.

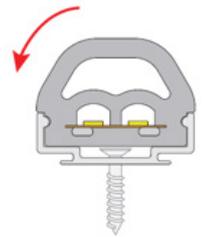
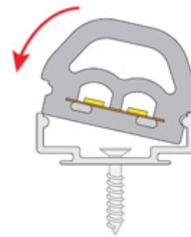
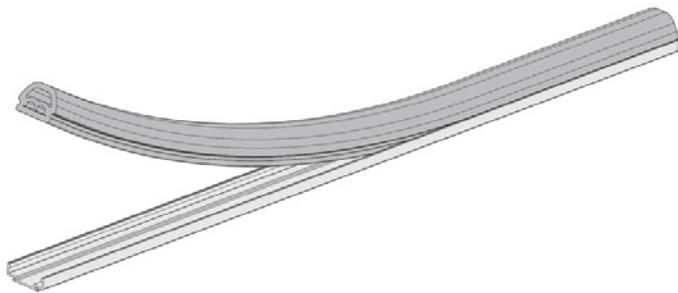
The high visibility red flashing HALO AVIATION WARNING Light connects directly onto the HALO SABRE as a 'Plug & Play' at any end or lighting junction, and as many as is needed may be installed. It is recommended to install the lighting from the farthest point backwards to source to avoid unnecessary slack.



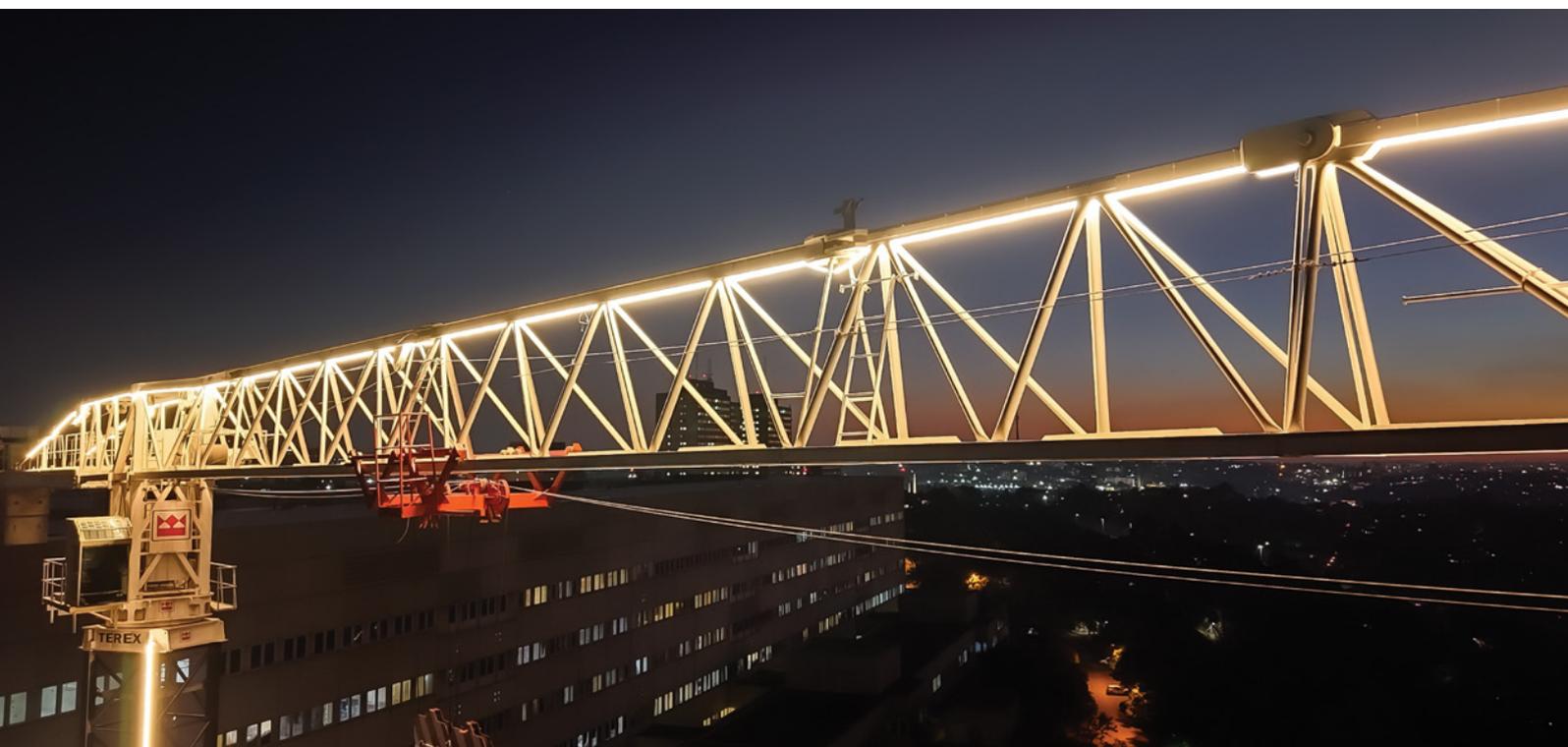
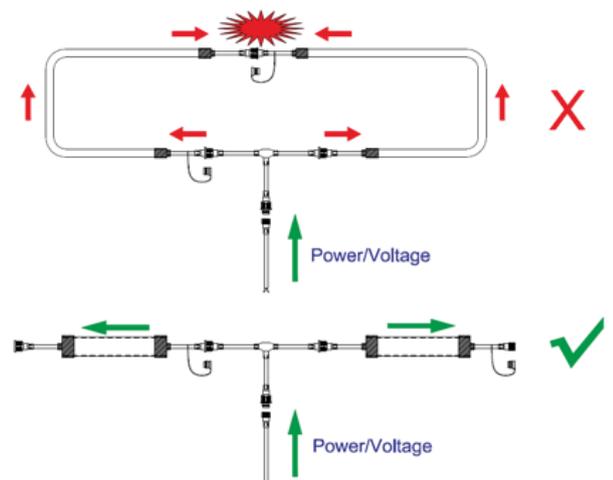
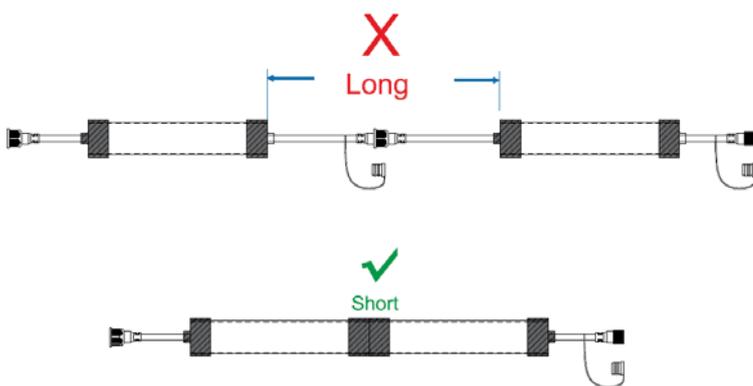
The entire system can be strapped onto the existing crane structure by using cable straps or any other strapping system deemed appropriate, with special care when using cable straps to ensure that the HALO SABRE is as straight as possible for maximum aesthetic precision.

Other means of installation include the HALO SABRE ALUMINIUM CHANNEL or the HALO SABRE INSTALLATIONS CLIPS which are short sections 500mm long, of the HALO SABRE ALUMINIUM CHANNEL.

HALO SABRE Aluminium Channel



During installation, please ensure that spacing between lighting segments are as close together as possible to avoid any unsightly dark spots when energized, & be cautious not to connect the lighting system in a 'closed loop' configuration causing an electrical short circuit.



SPECIFICATIONS

HALO SABRE - 230VAC / 110VAC

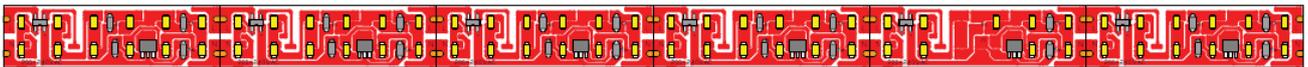
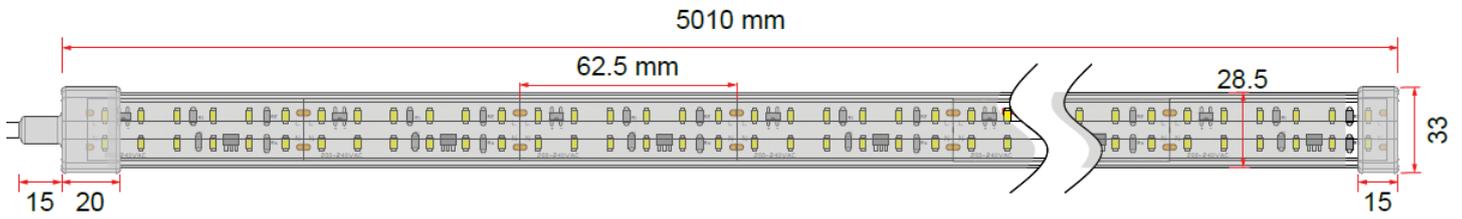
Category	SABRE - 230VAC			SABRE - 110VAC				
Range fed from ONE side	100 Metres			60 Metres				
Range fed from BOTH sides	NA			NA				
Operating temperature	-40°C - 45°C			-40°C - 45°C				
IP Rating	68			68				
Power Consumption /metre	18W			18W				
Colour Rendering Index (CRI)	>80			>80				
Lumens per metre	1900 - 2000			1900 - 2001				
Supply Voltage VAC	200 ~ 240VAC			90 ~ 140VAC				
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	19.5mm x 28.5mm			19.5mm x 28.5mm				
Tensile Strength	+- 50kg - 60kg			+- 50kg - 60kg				
Overheat Protection	Yes			Yes				
Colour	W/WHITE	C/WHITE	D/WHITE	RED	GREEN	BLUE	AMBER	MAGENTA
	3000k	4000k	6000k					
	Warm White	Wool White	Daylight White					
Colour Code	WW	CW	DW	RED	GRE	BLU	AMB	MAG

HALO SABRE - 230VAC / 110VAC LIGHT GRAPH

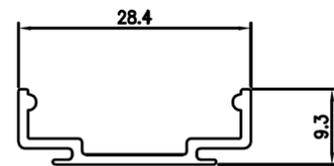
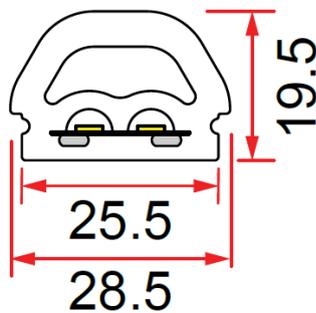


Measured in lux
Readings may vary slightly depending on site conditions

TECHNICAL DRAWINGS



HALO SABRE PROFILE



PART NUMBER GENERATION

SPECIFICATIONS HALO SABRE								
Colour Code	WW	CW	DW	RED	GRE	BLU	AMB	MAG
Category	230VAC				110VAC			

Example: Name: HALO SABRE + Category: DW + Voltage Rating: 230VAC = HALO SABRE - DW - 230VAC

ACCESSORIES

- Day & Night switch - HALO SABRE DN SWITCH 220VAC / 110VAC (Select voltage)
- Lightning Arrestor - HALO LIGHT ARR 220VAC / 110 VAC (Select voltage)
- Extension cables - HALO HDC 1M / 2M / 5M / 10M / 20M / 40M (Select length - customizable upon request)
- Tee piece connector - HALO-T
- 4 Way connector - HALO 4 WAY

WARRANTY

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

HALO products have a proven lifespan exceeding 10 years and carries a full **5-year warranty**, this warranty is backed up with a '**Double for your trouble**' replacement policy, 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

THE ORIGINAL SINCE 2010

halosolutions.co.za

