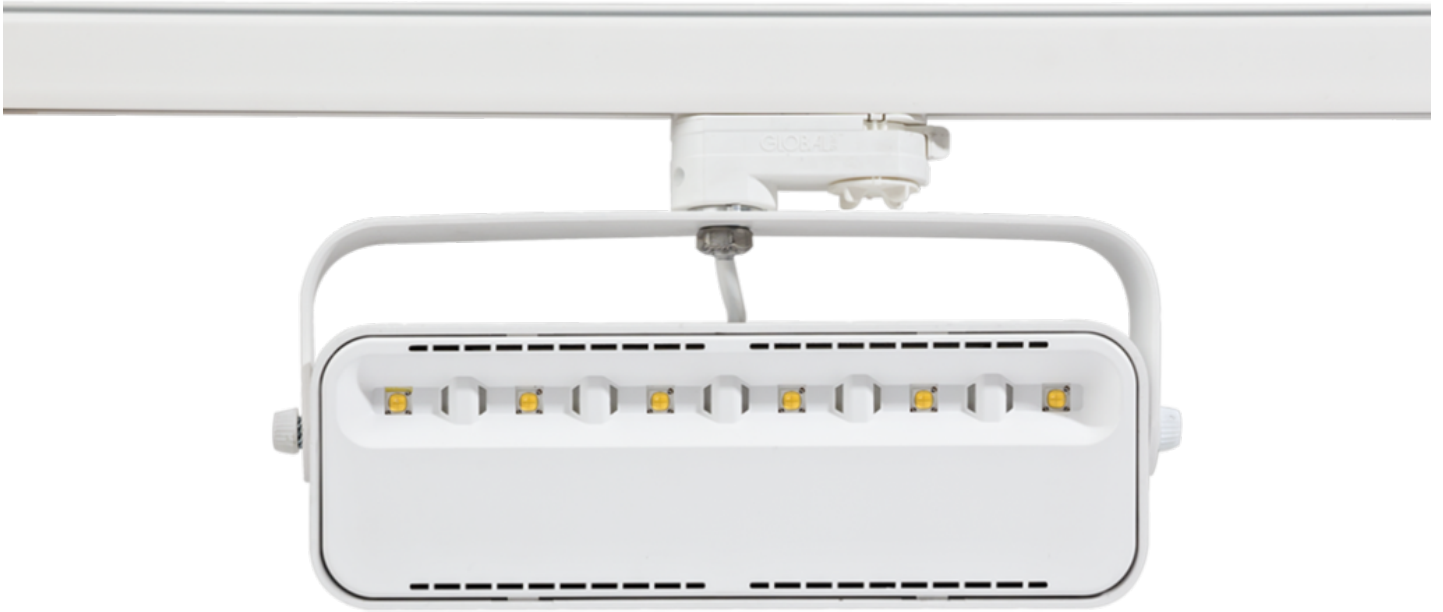


# PRODUCT SPECIFICATION

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HELIOS



## INTRODUCTION

The Helios family of products that has been specifically engineered to offer retailers an effective track mounted solution for lighting their internal store perimeters. Manufactured with a die cast aluminium housing with an injection moulded front cover this unique product combines outstanding performance with cutting edge design to deliver a product that is functional, powerful and attractive. Utilising a small number of bespoke high output LED chips that are coupled with custom elliptical lens optics the Helios offers superb uniformity at very wide spacings. The Helios is available in two body sizes and multiple lumen outputs as well as a range of colours.



CE IP20 TM21: L90>60K HOURS / L80>90K HOURS 3 STEP MACADAM ELLIPSE

## APPLICATION

- ▶ Accent Lighting
- ▶ Display Lighting
- ▶ Retail

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## SPECIFICATION

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### CONSTRUCTION

- › Housing: High pressure die cast aluminium
- › Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- › Finish: Polyester powder painted RAL 9005 matt black
- › Lens: Injection moulded polycarbonate lens
- › IP20

### PERFORMANCE

- › Part L2 compliant
- › 3SCDM Three step Macadams ellipse
- › TM21: L90>60K Hours / L80>90K Hours
- › Up to 118 luminaire lumens per circuit Watt.

### ENVIRONMENTAL

- › Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive, please see the installation leaflet for maintenance instructions.
- › Powered by European branded drivers and emergency modules ensuring replacement parts are easily sourced.
- › Every luminaire is labelled with a unique ID number allowing easy identification of spare parts for the lifetime of the product.
- › Contains no single use plastics or polystyrene packaging.
- › Supplied in plain card boxes with paper tape ensuring packaging is easily recycled.
- › Designed to allow simple disassembly for end of life recycling.
- › UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

### EMERGENCY

- › Not available with emergency

### CONTROL

- › Optional DALI dimming

### INSTALLATION

- › Suitable for three circuit track installation
- › Saddle bracket allows the fitting head to be both pivoted and rotated to the angle required.

### VARIATIONS

- › Available with a wide range of colour temperatures and renderings

- ▶ Available in a range of housing sizes and lumen outputs
- ▶ Available in white or black finishes

IMAGES

PRODUCT IMAGES



Helios 8 Cell White



Helios 6 Cell White



Helios 6 Cell White Rear



Helios 8 Cell White Rear



Helios 6 Cell White



Helios 8 Cell White



Helios 6 Cell Black



Helios 8 Cell Black Rear



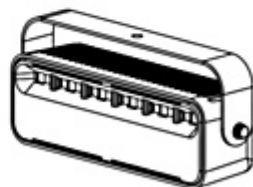
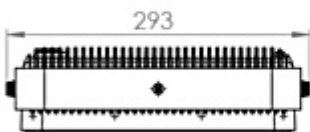
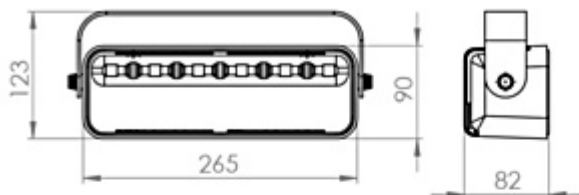
Helios 6 Cell Black

**PROJECT IMAGES**



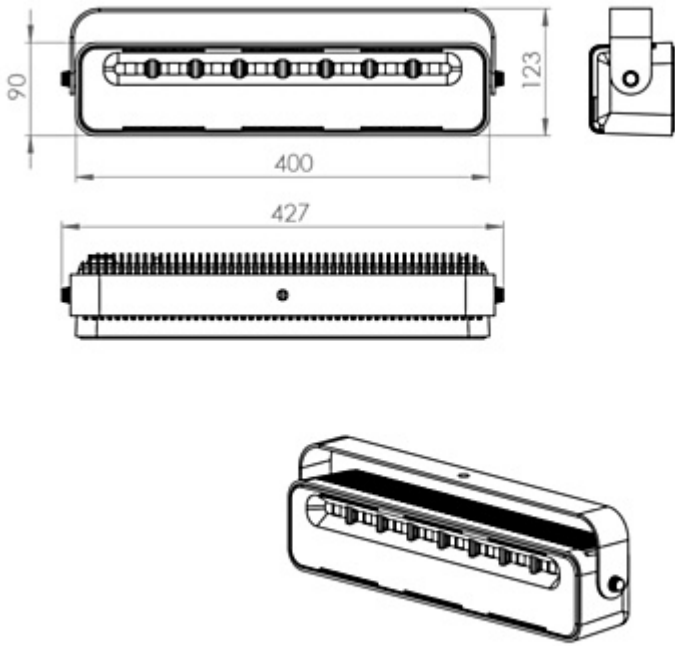


TECHNICAL

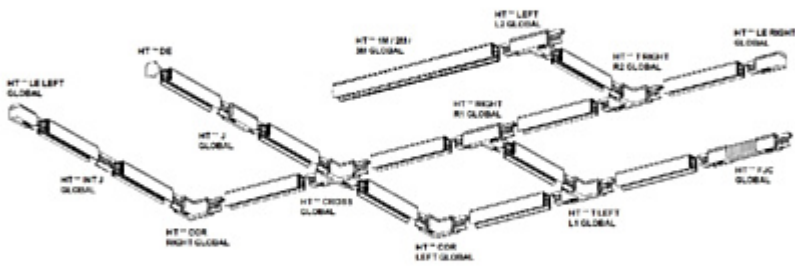


Helios 6

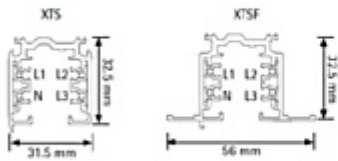




Helios 8

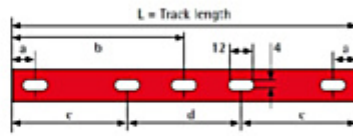
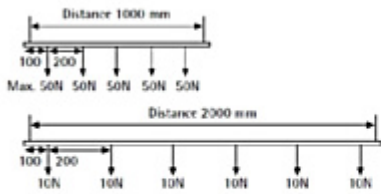


Track Configuration

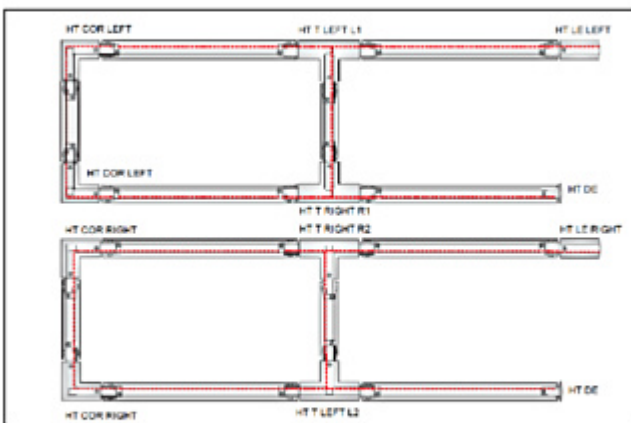


The recommended fastening distance is 1000 mm.  
 NOTE: A load not heavier than 10 kg may hang on a power takeoff adapter, the pull strength being 100 N (11g = 9.81N) and the maximum torque 2.5 Nm. IGA 60 5 kg/50 N).

L/mm	a/mm	b/mm	c/mm	d/mm
1000	250	1000		
2000	250		1000	1000
3000	250		1500	1000
4000	250			



Track Dimensions and Loadings



Track Polarity



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## WARRANTY

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At Dextra our commitment to service has been at the forefront throughout our history spanning more than forty years in the UK lighting market. Our service ethos extends beyond design and delivery, we believe supporting your installation throughout the warranty period is equally crucial, whilst the strength and longevity of Dextra Group provides peace of mind that our warranty will be supported throughout.

The Dextra range is supplied with a five year warranty commencing from the date of delivery. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years drivers, emergency modules, wireless modules, sensors and LED circuits will be supplied free of charge to replace defective components, labour and other associated costs are not included.

Certain ranges and components are subject to exemptions:

- Lithium batteries are provided with a five year warranty. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components. Five year warranty became effective as of 03/02/25, Lithium emergency luminaires supplied prior to this date are supported with a three year on site warranty only. Labour and other associated costs are not included. Nickel Metal Hydride and Nickel Cadmium batteries are provided with a one year warranty for parts and labour.
- Emergency luminaires including AME LED, EXI LED, EXI2 LED, EXI Track, HBE LED, HBE2 LED, OAT2 LED, OEZ LED and Twinspot with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- Protec Micro, PTECF7 Fire Rated Downlights, Serenus and the Opus Sconce are provided with a five year replacement luminaire only warranty. Protec FR Fire Rated Downlights are provided with a 2 year replacement luminaire only warranty.
- Controls systems such as standalone sensors, switches, marshalling boxes and cabling are provided with a one year warranty for both parts and labour. DALI control systems are provided with a two year warranty for both parts and labour.
- LEDextra ranges are supplied with a three year parts or replacement luminaire only warranty with the exception of the IMPR RGBW, the Runway RBGW, the MOD RGBW, Tanek RGBW and the DexRing. These five ranges are supplied with our standard five year warranty during which defects within the first three years will be repaired on site and the warranty includes both parts and labour. For the final two years free of charge replacement components only will be supplied to rectify any failures but labour and other associated costs are not included.
- LEDEX ranges are supplied with a three year replacement luminaire only warranty.

- The Decorative Pendant ranges, Bebo, Dene, Nova, Fino and Stix are supplied with a 3 year replacement luminaire only warranty.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation, unsuitable environmental conditions or incorrect maintenance. It is the duty of the customer to ensure that all the fault lies with the luminaire prior to requesting replacement parts or site repairs. In the event that no defect is found with the product our costs for attending site will be recharged to the customer and credit will not be issued against returned products. No consequential losses incurred resulting from any defect with our product will be reimbursed.

Given the nature of LED technology a small percentage of LEDs may fail during the lifetime of a luminaire, this does not cause a reduction in lumen output. As such LED luminaires are only deemed to be faulty for warranty purposes when in excess of ten percent of LEDs have failed in a single luminaire.

On site repair of products under warranty will be undertaken during normal working hours, 9am to 5pm Monday to Friday, and will require unrestricted access to luminaires. Where required Dextra will provide access equipment to carry out repairs at height, should luminaires have been installed in locations where reasonable provision for maintenance access has not been made we reserve the right to supply replacement product only. On site warranty repairs will only be undertaken on the mainland of the UK and Ireland, in all other locations replacement product only will be provided.

**If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.**

## ORDER CODES

### LUMINAIRE

Code	Description	Power	Llm/W
HEL6 L20	Helios, 1,886llm, 6 Lens, Colour 84	16.8W	112
HEL6 L30	Helios, 2,846llm, 6 Lens, Colour 84	22.3W	128
HEL6 L40	Helios, 3,765llm, 6 Lens, Colour 84	28.1W	134
HEL8 L60	Helios, 5,608llm, 8 Lens, Colour 84	44.1W	127
HEL8 L80	Helios, 7,560llm, 8 Lens, Colour 84	60.3W	125

### DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface

### MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering: C83, C84, C85, C865, C93, C94
BL	Black Finish
LSF	Low Smoke Zero Halogen

220-240V / 50-60Hz  
IP20

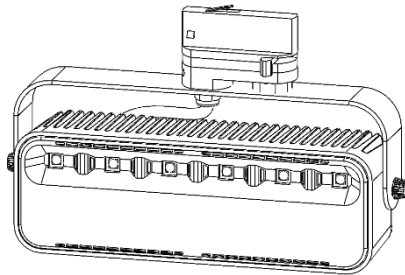


**WARNING:** Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested to compliance with BSEN 60598: specification for general requirements and tests. Must be installed by a suitably qualified person in accordance with all relevant legislation. Ambient operating temperature of 0°C to 25°C. If maximum operating temperature is exceeded luminaire will automatically dim / switch off. Terminal blocks are rated to 16A unless stated otherwise. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. **LUMINAIRES WITH EMERGENCY PACK:** When supply is isolated battery output terminals may be live if battery is connected. Isolate mains and battery before servicing. Emergency luminaires require unswitched live connection taken from same phase as switched supply. When unswitched supply is connected status indicator illuminates green, when unswitched supply is disconnected indicator extinguishes and luminaire operates in emergency mode. 24 hour charge period required before undertaking full discharge test. Emergency test sheets provided should be used to record all emergency tests. Batteries should be replaced when 3 hour duration is not met. Excessive switching of permanent live may result in premature battery failure. Battery electrolyte can be harmful to eyes / open wounds, do not puncture, if electrolyte touches skin / eyes flush with water. Do not incinerate batteries.

Terminal Labelling:	
<b>Power</b>	
L1	Switched Live
E	Earth
N	Neutral
<b>Emergency</b>	
L2	Unswitched Live
DA/AT3	DALI Autotest
DA/AT3	DALI Autotest
<b>Dimming</b>	
-/D1/DA	Analogue/DSI/DALI
+/D2/DA	Analogue/DSI/DALI
L3	Switch Dim / Corridor Function

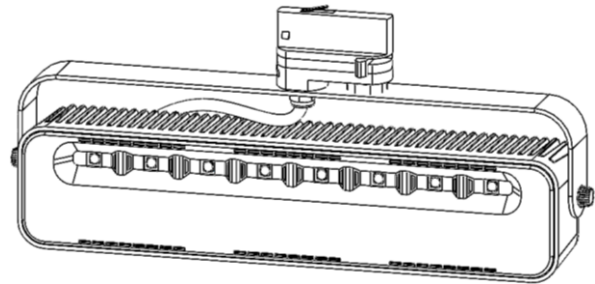
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**Helios 6**

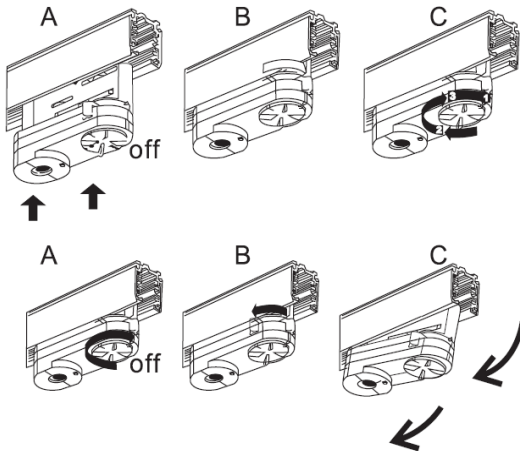


2.

**Helios 8**



3.



4.

**3 Circuit Track Adaptor:**

Connect three circuit track adaptor as per diagrams shown to the left

- 1) Ensure the selector dial is turned to the off position.
- 2) Set the locking lever to the side
- 3) Engage the adaptor into the track with the guide lug.
- 4) Turn the lever towards the front until it locks correctly with the track system.
- 5) Select the circuit by turning the selector dial to 1, 2 or 3.
- 6) Remove the adaptor by reversing the above process.

5.

**Maximum permissible loads:**

Universal 3 circuit track adaptor: Maximum weight 10kg.  
 1M track length: Maximum load 60Kg  
 3M track length: Maximum load 90Kg  
 Loads should be evenly distributed across the length of track

- Universal track system suitable for 3 circuit, 230 / 240 Volt, 16 Amp. This system is not suitable for inductive loads.
- Please ensure that all elements of the track system have been correctly assembled, starts and ends must always have the appropriate components to ensure that the run is correctly finished and live conductors are not exposed. Do not exceed maximum loads or allow connection points to be subjected to twisting forces.
- It is the installer's duty to ensure electrical, mechanical and thermal compatibility between the track system and any devices attached to it.
- The universal 3 circuit adapter supplied with the High Track luminaire is only suitable for use with the track system specified.
- Track system is only suitable for surface mount or suspension via a rigid drop rod.

## Maintenance

- 1 Disconnect luminaire before undertaking any maintenance or cleaning.
- 2 Cleaning should be undertaken on external parts of the luminaire only using a slightly damp lint free cloth.
- 3 To access fitting use a flat head screwdriver to remove cover.
- 4 Remove retaining spring from driver by pulling them out by hand.
- 5 Use an Allen Key to remove all screws from LED circuit.
- 6 Please contact Dextra for assistance with spare component supply.

