

Extreme Temperatures

Solutions for temperatures from -40°C up to 50°C

Our flexible system allows us to configure a Carbonlights™ fitting for extreme temperatures without compromising on performance or affecting cost.

High or low temperatures can be accommodated by altering the thermal management arrangements within the fitting.

Several driver options can be used to ensure the optimum configuration and maintain a high LED/driver life. Drivers can be mounted remotely where appropriate to make maintenance easy.



Our extreme temperature solutions have the same ultra-efficient design as our standard fittings, delivering significant energy and maintenance cost savings.

	Lumens	Watts	Delivered Lumens per Watt	Dimensions (mm)	Weight (kg)
CM1300-2	20,583	164.8	125	115 x 100	8.8
CM650-3	15,438	123.6	125	190 x 100	6.6
CM1300	10,292	82.4	125	40 x 100	4.4
CM650	5,146	41.2	125	40 x 100	2.2

Specification

Carbonlights™ CM Range Technical Specification		Features
Electrical Specification		
Supply Voltage	220/240 Vac RMS at 50Hz	
Rated Wattage	Fittings in the Carbonlights™ CM Range come in modules with multiples of 41.2 Watts at 350mA	Latest high quality LEDs from Samsung or Cree.
Construction and Environmental		Long life – 100,000+ hours.
Body Material	Aluminium (40% Recycled)	Ultra-Efficient – up to 125 delivered Lumens per circuit Watt.
End Plate Material	Stainless Steel (304 or 316)	
Cover Material	Polycarbonate	
Finish	Anodised or Chemical or Bacterial Resistant Coated	Robust, modular construction 5 year warranty (as standard).
Standard Mounting	Suspended, Wall or Ceiling Bracket	
Impact Rating	IK8 Medium	
Operating Temperature	-20°C to +35°C (-40°C to +50°C extended)	Upgradeable design.
Ingress Class	Designed to meet IP65 sealed	Instant on/off operation.
Electrical Connection	Flying lead or Plug/Socket	Easy to clean profile.
Photometric		Easy to install.
Standard LED Colour	Cool White or Neutral White	Mercury/glass free.
CCT Range	5700k Cool White or 4000k Neutral White	Largely re-usable.
CRI	> 80 Standard	Largely recyclable.
Splay Angle	180+ or 120 degrees as standard	No flicker.
Intensity	Variable	Drivers can be remotely mounted
		Dimmable if required

We have several options for protective coatings for our fittings to provide long lasting performance in the harshest environments.



Dedicated to providing you with ground breaking lighting solutions, designed and manufactured in the UK.

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