

# coolcatlamps

KEYLIGHTING



# coolcat lamps

*Coolcat cold cathode lamps offer an alternative to MR16 dichroic lamps frequently used for ambient lighting. This new technology gives the opportunity to save up to 90% of the energy consumed by popular dichroic lamps.*

## Energy Saving

The lamp is available in two wattages. A 7 watt version to replace the 50watt dichroic and a 4 watt option to replace 20 and 35 watt dichroics. However many installations are vastly over illuminated and in many cases you could substitute the 4 watt lamp for an existing 50 watt lamp and this would give the maximum energy saving of 46 watts per lamp installed or 92% of the energy being consumed.

## Installation

If you already have existing fittings with either a twist lock bezel or spring retaining clips the existing transformer and lamp holder is removed and replaced with the coolcat transformer and lamps in a matter of minutes.



For new installations we offer a full range of housings to suit your décor and requirements.

## Maintenance

These lamps offer a life of 15,000 hours whereas the best quality dichroic lamps only last for around 2,000, vastly reducing the cost of replacement lamps over the long term and also the cost of labour to carry out the replacement.

## Part L Building Regulations

This new standard calls for an average of 45 lumens per luminaire watt, the 4 watt coolcat lamp gives 54 lumens per watt and the 7 watt lamp produces 65 lumens per watt.

Also the specific cap on the lamp ensures that these lamps must be exchanged like for like and therefore a substitute, which does not meet this regulation, could not be directly installed without carrying out additional electrical work. Retaining the installations compliance.

## Other Benefits

These lamps run at approximately 35°C, which is completely safe to touch. This avoids any health and safety issues if the lamps are installed within reach. This lower running temperature also means that the lamps attract less dust therefore preserving your décor and reducing cleaning costs.



They are available in 4000K cool white most suited to retail applications and bathrooms etc and 2700K warm white which is more suited to bars and restaurants where stark lighting is not always the requirement.

## Benefits

- Cool Running Temperature
- Long Lamp Life of 15,000 hours
- Part L Building Regulations Compliant
- Up to 90% energy saving
- Can be used with existing fittings

## Technical Information

	Dichroic Lamps	4 watt Coolcat	7 watt Coolcat
<b>Input Voltage</b>	220 – 240 volts AC	220 – 240 volts AC	220 – 240 volts AC
<b>Lamp Connectors</b>	GU5.3	Bespoke 2 Pin Connectors	
<b>Warm Up Time</b>	Instant	20 Seconds	60 Seconds
<b>Lamp Temperature</b>	230°C	35°C	35°C
<b>Lamp Design</b>	MR16	MR16	MR16
<b>Lamp Life</b>	2,000 hours	15,000 hours	15,000 hours
<b>Available Wattages</b>	20, 35 and 50	A choice of 4 or 7 watt	



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## Ordering Information

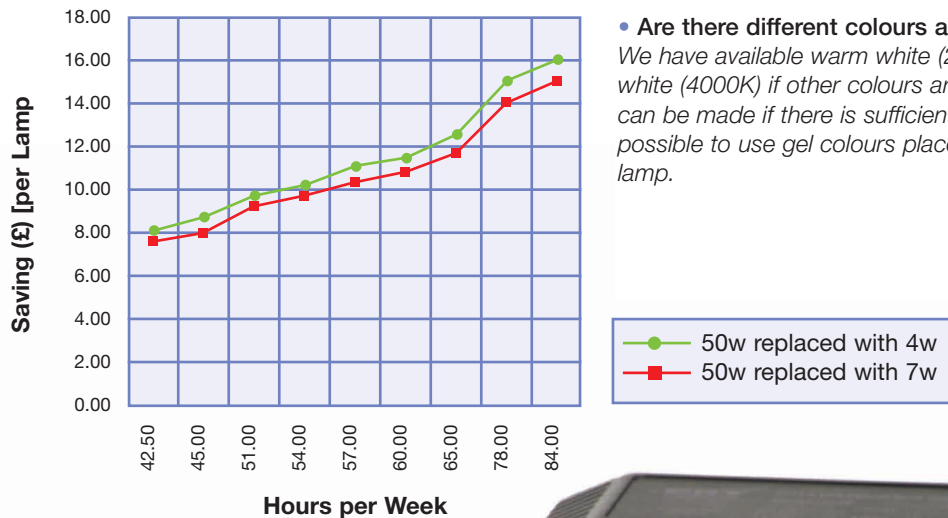
Part Number	Description
CCFL-4-SINGLE	4 watt Coolcat kit with 1 driver and 1 lamp
CCFL-7-SINGLE	7 watt Coolcat kit with 1 driver and 1 lamp
CCFL4	4 watt Coolcat lamp
CCFL7	7 watt Coolcat lamp
CCFL-4-TR	Driver for 4 watt lamp
CCFL-7-TR	Driver for 7 watt lamp

## Savings per lamp per annum

To Calculate how much you would save by swapping to the Coolcat lamp, look up your weekly business hours in the table below and cross reference them with the graph.

Business Hours	Days Open per Week		
	5	6	7
8:30 – 17:30	45	54	60
9:00 – 17:30	42.5	51	57
9:00 – 22:00	65	78	84

It has been assumed that businesses operate for 6 hours only on Sundays and the graph below assumes an electricity cost of 8p per kilowatt hour and a 52 week working year



## Frequently Asked Questions

### • Can I use these lamps with a standard low voltage transformer?

No these lamps use their own specific drivers, so for your initial installation you need to buy the kit of parts

### • Can these lamps be dimmed?

At present we are unable to supply a dimming control for these lamps but one will be available in the near future

### • Is there an option for Emergency?

We are working on an emergency version of the product and this should be ready for October 2007.

### • Are there different colours available?

We have available warm white (2700K) and cool white (4000K) if other colours are required these can be made if there is sufficient quantity or it is possible to use gel colours placed in front of the lamp.



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## KEYLIGHTING

North Brook Works  
Alkincote Street  
Keighley  
West Yorkshire  
BD21 5JT  
Tel: 01535 616 300  
Fax: 01535 616 301

Unit 1  
Hunter Road  
Duchess Trading Estate  
Rutherglen  
Glasgow  
G73 1LB  
Tel: 0141 647 4499  
Fax: 0141 647 4418

37 Dulverton Road  
Witton  
Birmingham  
B6 7EQ  
Tel: 0121 322 2300  
Fax: 0121 322 2050

