



MK Electric offers a comprehensive range of white ceiling accessories for all requirements. Included in the range are enhanced 'safety' lampholders.

Unlike most other 'safety' lampholders, when the lamp is removed it automatically shields the contact by means of a specially designed shutter and it remains that way until a lamp is replaced.

Therefore when no bulb is in place contact pins are totally isolated, preventing any danger of electrocution.

#### **Ease of installation**

Pendant sets incorporate a heat resistant lampholder (1150 WHI), and ceiling rose with a transparent base and clear terminal markings for ease of identification. Terminals are grouped in line with neutral, loop-in and earth terminals (1161 WHI)

#### **Safety**

Shockguard Plus has specially designed shutter automatically shields the lamp contacts, therefore eliminating the danger of electrocution

#### **Reliability**

All products are 100% tested before delivery for confidence a 'fit and forget' installation can be achieved. Fully compliant with the relevant British Standards BS7895 for bayonet lampholders with enhanced safety and BSEN 61184

#### **Durability**

Manufactured from the highest quality materials to give a high gloss finish, which is both scratch and colour fade resistant

## Ceiling Switches

## Mounting Blocks

6 AMP  
SURFACE

WITHOUT  
MOUNTING BLOCKS  
FLUSH

50 AMP  
FLUSH



**3191 WHI**  
6 AMP SP ONE-WAY

5

**3190RCWHI**  
6 AMP SP TWO-WAY  
PULL TO MAKE OR PULL TO BREAK  
(MOMENTARY SWITCH ACTION)

5

**3131 WHI**  
6 AMP SP TWO-WAY

5

**3151 WHI**  
16 AMP DP ONE-WAY

5

**3164 WHI**  
50 AMP DP ONE-WAY  
WITH NEON  
FITTED WITH  
CEILING SWITCH CORD  
OF 1.5m MINIMUM LENGTH

5

**2051 WHI**  
MOUNTING BLOCK  
FOR 6 AMP OR 16 AMP  
SWITCHES

10

**2056 WHI**  
MOUNTING BLOCK  
WITH NEON  
FOR 6 AMP OR 16 AMP  
SWITCHES

5

Supplied with mounting blocks.  
Earth terminal is riveted in base of mounting blocks.

**3191** and **3192** are supplied with 1.5m switch cord.

**3190** is supplied with 2m of red switch cord and 2 acorns.

These switches do not have to be derated when used with fluorescent or inductive loads.

FIXING CENTRES:  
50.8mm  
BS.EN60669-1:1996

Mounting blocks are not supplied.  
Use 2051 WHI or 2056 WHI.

Suitable for installation in small circular conduit boxes to BS.4568:Pt.2:1970. See page 297.

Ceiling switch cords are 1.5m minimum length.

These switches do not have to be derated when used with fluorescent or inductive loads.

FIXING CENTRES:  
50.8mm  
BS.EN60669-1:1996 (3131)

MOUNTING BOXES  
SURFACE Moulded  
2140 WHI 2180 WHI  
2031 WHI (extra wiring space)  
FLUSH Steel  
877 ZIC (for full load applications)  
SURFACE Metal  
2211 ALM 2213 ALM  
Fitted with a mechanical 'OFF' indicator. The switch fully complies with the 16th Edition IEE Wiring Regulations with respect to safety isolation for maintenance purposes and provides a full 3mm contact gap when 'OFF'.  
DIMENSIONS:  
86 x 86mm  
FIXING CENTRES:  
60.3mm  
BS.3676 Pt.1: 1989

Earth terminal riveted in base.  
DIAMETER:  
83mm  
FIXING CENTRES:  
50.8mm  
BS.EN60669-1:1996

## Ceiling Roses

## Lampholders



Unlike most 'safety' lampholders, when a lamp is removed Shockguard plus automatically seals the contact by means of specially designed shutter and it remains that way until the lamp is replaced.

This means that with no bulb in place there is no danger of electrocution from exposed contacts, as the contact pins are totally isolated.



The MK Ceiling Rose has a transparent base, precut aperture and clear markings for ease of installation. Terminal layout allows cables to be cut to the same length and the earth terminal is positioned for easier cable access.



1161 WHI

1163 WHI



1170 WHI

1171 WHI

1180 WHI

1181 WHI

**1161 WHI**  
FOUR TERMINALS  
LINE, NEUTRAL,  
LOOP-IN AND EARTH

**1163 WHI**  
CEILING ROSE HALO

**10** **1170 WHI**  
BC PENDANT LAMPHOLDER  
WITH AUTOMATIC CORDGRIP

**10** **1171 WHI**  
BC PENDANT LAMPHOLDER  
WITH AUTOMATIC CORDGRIP  
AND PROTECTIVE SKIRT

**10** **1180 WHI**  
SKIRT FOR MK LAMPHOLDER  
LIST NOS.1140 WHI AND 1170 WHI

**10** **1181 WHI**  
SKIRT FOR MK LAMPHOLDER  
LIST NOS.1141 WHI AND 1171 WHI

Incorporate tunnel type terminals, and knockouts which accommodate 3 x 2.5mm<sup>2</sup> cables and allow for off centre cable entries, transparent terminal block and equal length wire stripping.

Suitable for fittings of up to 5kgs. Heavier fittings must be installed using independent support eg. ceiling hook.

The ceiling roses are suitable for mounting over BS.4568:Pt 2 circular conduit boxes.

DIAMETER (Cover): 84mm

DEPTH (Cover): 34mm

BS.67: 1987

The Ceiling Rose Halo gives a neat finish should the ceiling be damaged.

All MK lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

BS EN 61184: 1995 T2 Rated.

## Lampholders

## Pendant Sets

## Batten Lampholders

SG TYPE

SG TYPE

LOW ENERGY

SG TYPE



1150 WHI



1151 WHI



1186 WHI



1189 WHI



1146 WHI



1149 WHI



1196 WHI



1190 WHI



1199 WHI



1172 WHI



1174 WHI



1179 WHI



1152 WHI



1154 WHI

**1150 WHI** **10**  
BC PENDANT  
SG TYPE LAMPHOLDER

**1151 WHI** **10**  
BC PENDANT  
SG TYPE LAMPHOLDER  
WITH PROTECTIVE SKIRT

**1186 WHI** **10**  
150mm PENDANT SET

**1189 WHI** **10**  
230mm PENDANT SET

**1146 WHI** **10**  
SG TYPE  
150mm PENDANT SET

**1149 WHI** **10**  
SG TYPE  
230mm PENDANT SET

**1193 WHI** **1**  
75mm 10/13W  
LOW ENERGY  
PENDANT SET

**1196 WHI** **1**  
150mm 10/13W  
LOW ENERGY  
PENDANT SET

**1199 WHI** **1**  
230mm 10/13W  
LOW ENERGY  
PENDANT SET

**1190 WHI** **1**  
10/13W LOW ENERGY  
LAMPHOLDER

**1172 WHI** **10**  
BC ANGLED

**1174 WHI** **10**  
HEAT RESISTANT TAILS,  
LIVE, NEUTRAL, LOOP-IN  
AND EARTH TERMINALS

**1179 WHI** **10**  
SURFACE MOUNTING  
PATTRESS BLOCK

**1152 WHI** **10**  
SG TYPE  
ANGLED BATTEN  
LAMPHOLDER  
HEAT RESISTANT TAILS,  
LIVE, NEUTRAL, LOOP-IN  
AND EARTH TERMINALS

**1154 WHI** **10**  
SG TYPE  
BATTEN LAMPHOLDER  
HEAT RESISTANT TAILS,  
LIVE, NEUTRAL, LOOP-IN  
AND EARTH TERMINALS

Shockguard SG Type lampholders automatically shield contacts by means of a shutter when the lamp is removed.

All MK SG Type lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

BS EN 61184: 1995  
BS.7895: 1997

**1186 WHI** and **1189 WHI** incorporate a heat resistant lampholder (1170 WHI), heat resisting PVC insulated and sheathed flexible 0.75mm<sup>2</sup> two core circular cable complying with BS. 6141: 1981 (Table 14) and a new series ceiling rose fitted with line, neutral, loop-in and earth terminals (1161 WHI).

This assembly will support a light fitting of up to 3kgs.

**1146 WHI** and **1149 WHI** incorporate a heat resistant lampholder (1140 WHI), heat resisting PVC insulated and sheathed flexible 0.75mm<sup>2</sup> two core circular cable complying with BS.6141: 1981 (Table 14) and a new series ceiling rose fitted with line, neutral, loop-in and earth terminals (1161 WHI).

This assembly will support a light fitting of up to 3kgs.

**1190 WHI**, **1196 WHI** and **1199 WHI** comply with Part L1 building regulations concerning efficient internal lighting. Lampholders have integral electronic control gear and accept 10/13 Watt 4 pin Compact Fluorescent Lamps (CFLs) that do not have integral control gear. A shade ring adaptor is included to allow fitting of a 29mm shade.

This assembly will support a light fitting of up to 3kgs.

All MK lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

**1174 WHI** also incorporates heat resistant wires connecting the terminals in the base to the lampholder. It has terminals mounted in the base and knockouts which accommodate 3 x 2.5 mm<sup>2</sup> cables and allow for off centre cable entries.

BS EN 61184: 1995 T2 Rated.

**1179 WHI** pattress block is for use with angled batten lampholders 1172 WHI and 1142 WHI.

Shockguard SG Type lampholders automatically shield contacts by means of a shutter when the lamp is removed.

All MK SG Type lampholders are heat resistant to category T2 of BS EN 61184 and are therefore capable of operation with lamp cap temperatures up to 210°C.

**1154 WHI** also incorporates heat resistant wires connecting the terminals in the base to the lampholder.

BS EN 61184: 1995 T2 Rated.  
BS.7895: 1997

## Sainsbury's, Greenwich



Sainsbury's won the opportunity to put a landmark supermarket on the Greenwich peninsula at longitude 0 beside the Millennium Dome. As we enter the 21st century, it is significant that this landmark building has been quoted as "the world's most environmentally friendly supermarket". It was built using a range of different sustainability maximising technologies, which ultimately means it uses half the energy as an ordinary supermarket. The supermarket has features such as natural light, increased ventilation, heat capture and insulation, all of which save energy and help the surrounding environment.

MK's electrical devices were used throughout the Millennium store chosen for their design and durability.

Millennium Sainsbury's store in Greenwich is undoubtedly revolutionary in design and its environmental conservation of energy.

Architect Chetwood Associates

M&E Consultant Oscar Faber

Contractor RGCM