

# Ceiling & Lighting Accessories

A complete range of high quality robust ceiling accessories, offering durability, reliability and ease of installation



## Range Content



Lamp Holders & Pendants



Energy Saving Fittings



Fluorescent Starters



Link Lights

# Ceiling Accessories

## CEILING ROSES



Catalogue Number	Description	Carton Qty
561	Ceiling rose polycarbonate base 3.5" diameter	10
661	Ceiling rose polycarbonate base 3" diameter	10

- Base moulded in clear polycarbonate
- Cover moulded in satin finish urea
- Base incorporates two + loop-in + earth terminals
- Spin-on cover with smooth cable entry for maximum protection of pendant conductor insulation
- Eight "in-line" terminals all with captive screws
- Wiring aperture in base with extra knockout for ease of wiring
- Large capacity earth terminal with locking terminal screw
- Manufactured to BS67



661

(internal view)

## PENDANT SETS (T2)



Catalogue Number	Description	Carton Qty
566	Pendant set with 6" flex and 3.5" base	10
569	Pendant set with 9" flex and 3.5" base	10
666	Pendant set with 6" flex and 3" base	10
669	Pendant set with 9" flex and 3" base	10
6612	Pendant set with 12" flex and 3" base	10
720H6	720 lampholder with 6" flex (no base)	25

- Manufactured to BS67 and BS EN 61184
- 0.75mm pendant flex heat resistant to BS6141
- Base incorporates two + loop-in + earth terminals
- Spin-on cover with smooth cable entry for maximum protection of pendant conductor insulation
- Eight "in-line" terminals all with captive screws
- Wiring aperture in base with extra knockout for ease of wiring
- Large capacity earth terminal with locking terminal screw



666

## LOW ENERGY PENDANT SETS



Catalogue Number	Description	Carton Qty
666ES13W	13 Watt energy saving pendant (excluding lamp)	1
666ES18W	18 Watt energy saving pendant (excluding lamp)	1

- Manufactured to BS EN 60598
- G24q lamp holder
- Low energy consumption
- 13 Watt equivalent to 60 Watt incandescent, 18 Watt equivalent to 100 Watt
- Product conforms to all relevant British and European Standards and EMC requirements



666ES13W

## LOW ENERGY BATTEN HOLDER



Catalogue Number	Description	Carton Qty
763ES13W	13 Watt energy saving batten holder (excluding lamp)	1

- Manufactured to BS EN 60598
- G24q lamp holder
- Low energy consumption
- 13 Watt equivalent to 60 Watt incandescent
- Product conforms to all relevant British and European Standards and EMC requirements



763ES13W

# Ceiling Accessories



763

## BATTEN HOLDERS ENCLOSED (T2)



Catalogue Number	Description	Carton Qty
763	2 terminal body, 3 terminals + earth in base, PVC tails, HO skirt	20
767	2 terminal body angled, 3 terminals + earth in base, and PVC tails, HO skirt	20

- Manufactured to BS EN 61184
- T2 temperature rated
- Large capacity earth terminal with locking terminal screw
- Wiring aperture in base with extra knockout for ease of wiring
- Diameter of batten lampholder is 80mm (3")
- Wired with heat resistant wire
- Base cover can be removed without removing HO skirt



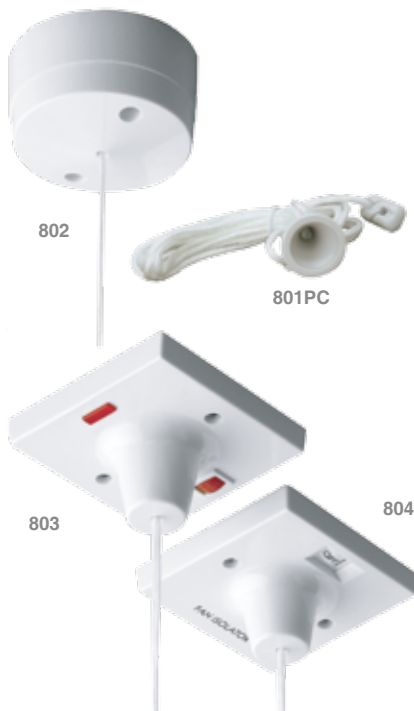
753

## BATTEN HOLDERS (T2)



Catalogue Number	Description	Carton Qty
752	3 terminals with short skirt	10
753	3 terminals with HO skirt	10
747	3 terminal angled with HO skirt	10
748	3 terminal angled with short skirt	10
201E	Back plate-deep type, 6 knockouts + earth terminal suitable for 747 and 748	20

- Manufactured to BS EN 61184



## CEILING SWITCHES



Catalogue Number	Description	Carton Qty
801	6 amp 1 way ceiling switch	10
802	6 amp 2 way ceiling switch	10
803	45 amp double pole ceiling switch with neon indicator	10
804	10 amp triple pole fan isolator ceiling switch	10
801PC-BG	Replacement pull cord, 1.5m	20

- Manufactured to BS EN 60669-01
- Supplied with approximately 1.5 metres of cord
- Individually bagged

# Ceiling Accessories

## LAMP HOLDERS - HEAT RESISTANT (T2)



Catalogue Number	Description	Carton Qty
720	Cord grip with short skirt	20
721	Cord grip with HO skirt	20
725	½" 26 BSB threaded entry with short skirt	20
728H	10mm threaded entry with short skirt	20
252	Pushbar lamp holder-switched ½" 26 BSB with threaded entry and short skirt	20
7368-05	Short skirt	100
7369-05	HO skirt	100

- Manufactured to BS EN 61184
- 2A at 250V AC temperature rating
- Moulded in robust fully insulating plastic
- Positive cord-grip



## DECORATIVE LAMP HOLDERS



Catalogue Number	Description	Carton Qty
LHBRW-BG	Push-bar switched lamp holder ½" 26 BSB threaded entry with mounting kit	10



LHBRW

## DECORATIVE CEILING ROSES



Catalogue Number	Description	Carton Qty
661BRG	Ceiling rose with polycarbonate 3" diameter base Brass finish cover	5
661CH	Ceiling rose with polycarbonate 3" diameter base Chrome finish cover	5
661ST	Ceiling rose with polycarbonate 3" diameter base Steel finish cover	5



661CH

## DECORATIVE CEILING SWITCHES



Catalogue Number	Description	Carton Qty
802BRG	6 amp 2 way ceiling switch Brass finish	5
802CH	6 amp 2 way ceiling switch Chrome finish	5
802ST	6 amp 2 way ceiling switch Steel finish	5



802CH

# Fluorescent Starters



## FLUORESCENT STARTERS

Catalogue Number	Description	Carton Qty
FSU	4-80 Watt fluorescent starter	10
FS2	4-22 Watt single series fluorescent starter	10
FS125	70, 75, 80, 85, 100-125 Watt fluorescent starter	10

- Manufactured to BS EN 60155
- All starters are kitemarked

## FLUORESCENT STARTER SPECIFICATIONS

Lamp Type	Circuit	FSU	FS125	FS2
4 Watts 150mm	Single	220/250V		110/130V
	Twin Series			220/250V
6 Watts 225mm	Single	220/250V		110/130V
	Twin Series			220/250V
8 Watts 300mm	Single	220/250V		110/130V
	Twin Series			220/250V
13 Watts 525mm	Single	220/250V		
15 Watts 450mm	Single	220/250V		110/130V
	Twin Series			220/250V
16 Watts 360mm	Single	220/250V		110/130V
18/20 Watts 600mm	Single	220/250V		110/130V
	Twin Series			220/250V
22 Watts Circline	Single	220/250V		110/130V
30 Watts 900mm	Single	220/250V		
32 Watts Circline	Single	220/250V		
40 Watts 600mm	Single	220/250V		
36/40 Watts 1200mm	Single	220/250V		
85/80 Watts 1500mm	Single	220/250V	240/250V	
70/85 Watts 1800mm	Single	220/250V	240/250V	
100/125 Watts 2400mm	Single		240/250V	

# Fluorescent Starters

## PULSESTARTER EFS 120

Lamp types: Linear fluorescent lamps from 450mm 15W to 600mm 20W,  
T8 (26mm) or T12 (38mm) diameter.

16W 4 pin 2D lamps with GR 10q bases.

22W circular lamps.

Supply voltage: 110-250V ac RMS 50/60 Hz

Operating temperature: -30°C + 75°C

Preheat: 2.8 seconds nominal at 25°C ambient. Sinusoidal

H.V. pulsing: Single pulse (1300V nominal) when striking healthy lamp in normal room ambients.

Starter will supply additional pulses if lamp fails to conduct on first pulse

(e.g in extremes of temperature, or in worn lamp situations).

Safety Shutdown: Within 3.5 seconds at 25°C ambient.



## PULSESTARTER EFS 120P

Potted Pulsestarter

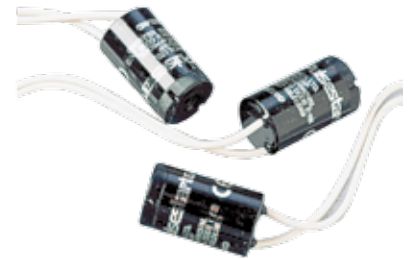
Technical details as EFS 120

BASEEFA 02ATEX 0135LL

EN 50021: 1999.

Temperature to 75°C

Complete with 6 inch tails



Catalogue Number	Description	Carton Qty
EFS120	Pulsestarter	10
EFS120P	Pulsestarter potted	10

## PULSESTARTER EFS 600

Lamp types: Linear fluorescent lamps from 900mm 30W to 2400mm 125W,  
T8 (26mm) or T12 (38mm) diameter.

(Excluding 2400mm 85W and 100W and 1500mm 115W - 140W sunbed lamps)

18W to 36W compact fluorescent lamps with 4 pin 2G11 and G24 bases.

28W and 38W 4 pin 2D lamps with GR 10q bases.

Supply voltage: 200-260V ac RMS 50/60 HZ

Operating temperature: -30°C + 75°C

Preheat: 2.3 seconds nominal at 25°C ambient. Sinusoidal

H.V. pulsing: Single pulse (1300V nominal) when striking healthy lamp in normal room ambients.

Starter will supply additional pulses if lamp fails to conduct on first pulse

(e.g in extremes of temperature, or in worn lamp situations).

Safety Shutdown: Within 3 seconds at 25°C ambient.



## PULSESTARTER EFS 600P

Potted Pulsestarter

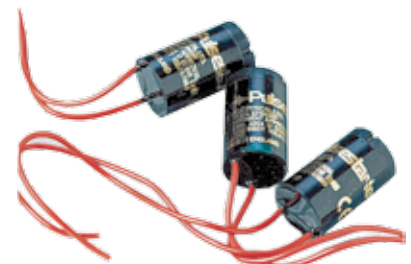
Technical details as EFS 600

BASEEFA 02ATEX 0135LL

EN 50021: 1999.

Temperature to 75°C

Complete with 6 inch tails



Catalogue Number	Description	Carton Qty
EFS600	Pulsestarter	10
EFS600P	Pulsestarter potted	10

# Fluorescent Starters



## PULSESTARTER EFS 300 RAPID START ELECTRONIC STARTER

Lamp types: 4-85W and 125W linear lamps T8/T12  
 16-38w TC-DD 18-26w TC-DE/TE  
 24-36w TC-L 22-60w circular and U-tubes  
 Supply voltage: 200-260V AV 50/60 HZ single lamps  
 Operating temperature: 5°C TO + 75°C  
 Preheat: 0.3s nominal @ 20°C  
 H.V. pulsing: Single pulse 1500V maximum  
 Safety Shutdown: Within 1 second @ 20°C  
 Markings: CE



## PULSESTARTER EFS 300 RAPID START ELECTRONIC STARTER

Lamp types: 18-65W linear lamps T8/T12  
 16-38w tc-dd, 18-26w TC-DE  
 24-36w tc-l 22-60w circular and U-tubes  
 Supply voltage: 200-260V AC 50/60 HZ single lamps  
 Operating temperature: -40°C to +75°C  
 Preheat: 2.0S nominal @ 20°C  
 3.0S nominal @ -40°C  
 HV pulsing: Single pulse 1500V maximum  
 Safety shutdown: Within 2.5 seconds @ 20°C  
 Within 3.5 seconds @ -40°C  
 Markings: CE and ENC 12

Catalogue Number	Description	Carton Qty
EFS300	Rapid start	10
EFS400	Cold start	10

## PULSESTARTER SPECIFICATIONS

Lamp Wattage	Linear G13 T12	Linear G13 T8	Linear G5	Circular G10q	Compact TC-S G23	Compact TC-D/TC-TG24 /GX24	Compact TC-L/F 2G11	TC-DD GR10Q
5					EFS 120			
7					EFS 120			
8			EFS 120					
9					EFS 120			
10						EFS 600		EFS 600
11					EFS 600			
13			EFS 600			EFS 600		
15	EFS120							
16								EFS 120
18	EFS 120					EFS 600	EFS 600	
20		EFS 120						
21								
22				EFS 120				
24								
26							EFS 600	
28								EFS 600
30	EFS 600	EFS 600						
32				EFS 600				
34						EFS 600		
36	EFS 600					EFS 600		
38	EFS 600							EFS 600
40		EFS 600						
58	EFS 600							
60				EFS 600				
65		EFS 600						
70	EFS 600							
75		EFS 600						
80		EFS 600						
85		EFS 600						
125		EFS 600						

Notes:

- Pulsestarter is not recommended for use with lamps below 15W
- Pulsestarter is not compatible with 2400mm 100W T12 lamps

# Fluorescent Starters

## PULSESTARTER TECHNICAL SECTION

More than 20 years research, development and production, provides the most reliably proven Electronic Starter for fluorescent lamps in the world.

Specified for many prestigious projects worldwide, the Pulsestarter has set international performance standards which are still to be equalled.

The Pulsestarter offers a number of advantages in relation to conventional devices:

- Fully optimised electronic ignition sequence
- Significantly extends standard lamp life
- Improved lumen maintenance
- Automatic failed lamp safety shut down
- Automatic reset
- Smooth no flicker starting
- Low temperature starting
- Long life performance

The Pulsestarter increases lamp life and therefore significantly reduces harmful mercury waste.

The Pulsestarter is environmentally friendly.

Pulsestarter was the world's first electronic starter to provide a fully optimised programmed strike mode for fluorescent lamps. It has been much refined since its conception in the 1980s.

T8 (26mm) lamps are more difficult to strike than their T12 (38mm) predecessors, and have less robust cathode assemblies. Cathode wear during starting is the limiting factor on tube life, and with the introduction of energy saving T8 lamps, this has increased.

When a tube reaches the end of its life, a lamp failure monitoring circuit shuts the starter down until the lamp is replaced - avoiding repeated attempts to strike failed or faulty lamps and preventing excessive heat build up in the control gear and intrusive flashing.

Although more costly than the unit it replaces, Pulsestarter offers in real terms a 70% reduction in fluorescent maintenance labour costs, as well as extending tube life by over 50%.

At the 7,500 hours nominal life quoted by most lamp manufacturers, the user can expect to have suffered 30% failures due to cathode damage. At this point the light output has fallen to only 90% of design lumens.

The Pulsestarter programme strike mode was developed to ensure that the new lamps delivered a real saving - and not just an energy saving which could be cancelled by increased maintenance costs.

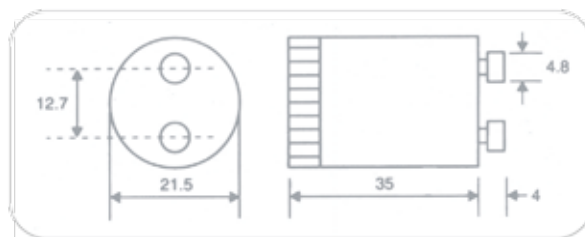
Pulsestarter avoids the problem of cold striking by fully heating the cathodes to optimum operating temperature before applying a controlled striking pulse. Therefore wear during starting is virtually eliminated, and tube life is extended to the point where

lumen deficiency determines replacement.

If the Pulsestarter had been fitted, the early cathode failures would have been eliminated, and the user could have chosen to relamp at a point when lamp output had fallen to a predetermined level. Typically, if 85% of design lumen output was considered the minimum acceptable level, the lamps could be changed at 15,000 hours. With Pulsestarter, the cathodes would still be functioning 100%.

Using solid state construction, Pulsestarter offers long life performance, and need not be replaced during planned lighting maintenance - saving the cost of replacement starter switches.

Our policy of achieving international approvals is your assurance of our consistent quality.



**Canister to BSEN 60155:** Nominal dimensions in millimetres

**Canister and Base materials:** Polycarbonate. VO rated

**Pin material:** Brass.

An encapsulated two wire connection version is also available. Approved to group two non-incentive (N) License No. BASEEFA 02 ATEX 0135LL

### **Circuits**

The circuit is optimised for use in standard lagging power factor switch start fluorescent circuits, and all of the parameters quoted relate to use in this configuration.

# Lighting Accessories



## ELECTRONIC TRANSFORMER



Catalogue Number	Description	Carton Qty
T60	Electronic transformer	10

- Standards: EN61046, EN55015, EN61547, EN6100-3-2 (89/336/CEE-73/23/CEE-98/68/CEE)
- Meantime before failure 30,000 hours
- Short circuit protection
- Overload protection
- Thermal protection
- Protection class 11/SELV
- Secondary leads 300mm
- Primary leads 170mm
- Load range: 20-60VA
- Primary voltage: 220-240V 50/60 Hz
- Dimming type: Lagging edge (dimmer or most leading edge dimmers)
- Measurements: L2(L1)xBxH 86(75) x 41 x 24mm
- Markings: TUV EMC CE
- Temperature range: -17°C to + 50°C



## LINK LIGHTS



Catalogue Number	Description	Wattage	Carton Qty
T46W	Miniature fluorescent	6 Watt	12
T410W	Miniature fluorescent	10 Watt	12
T416W	Miniature fluorescent	16 Watt	12
T420W	Miniature fluorescent	20 Watt	12
T430W	Miniature fluorescent	30 Watt	20

- Designed to BS EN 60598-2
- IP20, indoor use only
- CE marked
- F marked
- Units are individually switched
- Supplied with 2 metre lead with female connector
- Complete with lamp



## LINK LIGHT ACCESSORIES



Catalogue Number	Description	Carton Qty
T1000	1 metre long link lead	10

- Male to female

## LINK LIGHT LAMPS



Catalogue Number	Description	Wattage	Carton Qty
T4SL6W	6W Triphosphor lamp	6 Watt	100
T4SL10W	10W Triphosphor lamp	10 Watt	100
T4SL16W	16W Triphosphor lamp	16 Watt	100
T4SL20W	20W Triphosphor lamp	20 Watt	100
T4SL30W	30W Triphosphor lamp	30 Watt	100