

...In complete control of power

## Site Transformers and Equipment

Catalogue reference  
EPP 0618 ST

- Portable Tool and Site Transformers
- Distribution Boards



- Enclosed Transformers
- Industrial Lighting and more...



Eastern Transformers  
& Equipment Ltd

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ETE is a leading UK transformer designer and manufacturer. We hold one of the largest and most comprehensive ranges of transformers nationwide for immediate despatch on a next day delivery. This short form catalogue focuses on our site and enclosed transformer range. The transformers within this catalogue range from 1kVA 1ph to 30kVA 3ph (continuously rated) and are all designed and manufactured in the United Kingdom.

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ETE is a proud UK-based manufacturer and validated member of Made in Britain. Any page with the Made in Britain logo in the heading features products designed and manufactured in the UK.

The PT range of portable tool transformers with 240V 1ph input are suitable for a number of applications. There are four models available from 1kVA to 5kVA (20 minute tool ratings). The transformers within this range are for general use with continuous ratings between 700VA and 2.2kVA. All units are fitted with thermal overload protection and a manual reset button.

## Transformer Tool Ratings

- PT1000/2 1.0kVA with 2 x 110V 16A sockets
- PT1500/2 1.5kVA with 2 x 110V 16A sockets
- PT3300/2 3.3kVA with 2 x 110V 16A sockets
- PT5000/3 5.0kVA with 2 x 110V 16A sockets  
and 1 x 110V 32A socket



PT 1000/2

## Specification and Construction

- Designed for a 230~240V 50 Hz input.
- Input via a 2 m cable and 13A UK plug (1kVA to 3.3kVA models).
- Input via a 2 m cable only (PT 5000/3) due to an input current > 20A.
- 110V output centre tapped to earth (55/0/55V).
- Designed to EN 61558-1: 2005.
- CE marked.
- Full thermal overload protection.
- IP44 output sockets designed to BS 4343.
- High impact polyester/glass enclosures.
- All models are manufactured in the UK by ETE.



PT 5000/3

Reference	20 minute Tool Rating	Continuous Rating	Input Connection	Input Thermal Overload Rating	Output Sockets	Weight (kg)
PT 1000/2	1.0kVA	700VA	2 m cable and 13A plug	5A	2 x 110V 16A	10.5
PT 1500/2	1.5kVA	1.0kVA	2 m cable and 13A plug	10A	2 x 110V 16A	12.0
PT 3300/2	3.3kVA	1.5kVA	2 m cable and 13A plug	18A	2 x 110V 16A	16.0
PT 5000/3	5.0kVA	2.2kVA	2 m cable only	30A	1 x 110V 16A and 1 x 110V 32A	29.0

## 4 Way Splitter Box

To give 4 way multiple outputs from a single 110V 16A transformer supply. Output sockets to BS 4343.

Reference	Output Sockets	Input Connections	Weight (kg)
PTSB 4-2	4 x 110V 16A	3 m of arctic cable and 16A 110V plug	2



PTSB 4-2

Mains distribution units for use with portable site equipment.

Three-phase + neutral (3ph + N) units.

Available in 100A, 200A, and 250A types.

For wall or stand mounting (stand supplies separately).

Unique compact design with IP55 epoxy powder coated mild steel enclosure.

Hinged access door lockable using a padlock.

Removable base plate with cable gland knockouts.

Mains distribution units for construction sites, dockside, and general industrial applications. The compact MCB compact pan assembly units are available in 100~250A 3ph + N sizes. Incoming connection via 4 pole 100~250A 300mA RCD. Units are designed for wall or stand mounting (see our range of distribution board stands below). Output connections via 8 way MCB pan assembly 3 pole + N. The units within this range feature a unique compact design with IP55 rating. The hinged access door is lockable using a padlock. All types have a removable base plate fitted with multiple gland knockouts. The steel enclosure is to Class 1 construction and is phosphor pre-treated and epoxy powder coated in RAL 3020 traffic red.

### Other Bespoke Options:

- Wide range of single-phase and three-phase options.
- From 12 way to 72 way single pole.
- From 6 way to 36 way double pole.
- From 6 way to 24 way treble pole.
- Units with multiple 24V, 110V, 240V, and 415V sockets fitted.
- Units with transformers fitted.

For more information contact our sales department.



Reference	Rating	Description	No of MCB Outputs	Dimensions D x W x H (mm)	Weight (kg)
PA100A	100 Amp	3ph distribution board	8 way 3 pole 3 way + N	197 x 525 x 565	35
PA200A	200 Amp	3ph distribution board	8 way 3 pole 3 way + N	244 x 430 x 850	45
PA250A	250 Amp	3ph distribution board	8 way 3 pole 3 way + N	244 x 430 x 850	45

### Distribution Board Stands

Reference	Corresponding Distribution Board	Dimensions D x W x H (mm)	Weight (kg)
UFPA100	PA100A	650 x 600 x 1,250	10
UFPA200	PA200A	650 x 500 x 1,250	10
UFPA250	PA250A	650 x 500 x 1,250	10

## 240V Single-Phase (1ph) Site Transformers

### SFS 3000/240 - 3kVA continuous and 4kVA intermittent

- 3000/240/0/2 - 2 x 20 mm cable glands for lighting applications
- 3000/240/1/0 - 1 x 110V 32A socket
- 3000/240/2/0 - 2 x 110V 16A sockets

### SFS 5000/240 - 5kVA continuous and 6kVA intermittent

- 5000/240/0/4 - 4 x 20 mm cable glands for lighting applications
- 5000/240/2/0 - 2 x 110V 32A sockets
- 5000/240/2/2 - 1 x 110V 16A socket and 1 x 110V 32A socket  
- 2 x 20 mm cable glands for lighting applications
- 5000/240/3/0 - 2 x 110V 16A sockets and 1 x 110V 32A socket



*SFS 5000 240/0/4*

The SFS range of portable site transformers with 240V 1ph input are suitable for a number of applications. There are seven models available from 3kVA to 5kVA (continuously rated). The transformers within this range are for heating, lighting, and general use with 1 hour tool ratings of 4kVA to 6kVA. There are 3 different output types in regards to the 3kVA units and 4 different output types in regards to the 5kVA units. All models feature full input protection via 1 pole MCB and output protection via double pole MCB with MCBs being mounted behind an IP65, high impact, hinged window. The steel enclosure is to Class 1 construction and is phosphor pre-treated and epoxy powder coated red and yellow.

### Specification and Construction

- Designed for a 230~240V 50 Hz 1ph input via 25 mm cable entry.
- 110V output centre tapped to earth (55/0/55V).
- Designed to EN 61558-1: 2005 and CE marked.
- Full input protection via 1 pole MCB.
- Output protection via type D double pole MCB.
- IP44 output sockets designed to BS 4343.

Reference	Continuous Rating	1 hour Tool Rating	Input MCB	Output Connection Options	Output MCB	Weight (kg)
SFS 3000 240/0/2	3kVA	4kVA	32A 1 pole	2 x 20 mm cable glands	1 x 32A DP	40
SFS 3000 240/1/0	3kVA	4kVA	32A 1 pole	1 x 110V 32A socket	1 x 32A DP	40
SFS 3000 240/2/0	3kVA	4kVA	32A 1 pole	2 x 110V 16A sockets	1 x 32A DP	40
SFS 5000 240/0/4	5kVA	6kVA	50A 1 pole	4 x 20 mm cable glands	2 x 32A DP	55
SFS 5000 240/2/0	5kVA	6kVA	50A 1 pole	2 x 110V 32A sockets	2 x 32A DP	55
SFS 5000 240/2/2	5kVA	6kVA	50A 1 pole	1 x 110V 16A socket, 1 x 110V 32A socket, and 2 x 20 mm cable glands	2 x 32A DP	55
SFS 5000 240/3/0	5kVA	6kVA	50A 1 pole	2 x 110V 16A sockets and 1 x 110V 32A socket	2 x 32A DP	55

### WARNING:

Great care should be taken when lifting or moving all portable site transformers.  
Weights between **40 kg and 55 kg** dependant on size / rating.





# STOCK RANGE OF 2PH AND 3PH PORTABLE SITE TRANSFORMERS FROM 3KVA TO 5KVA FOR HEATING, LIGHTING, AND GENERAL APPLICATIONS

## 415V Two-Phase (2ph) and Three-Phase (3ph) Site Transformers

### SFS 3000/415 - 3kVA continuous and 4kVA intermittent

- 3000/415/0/2 - 2 x 20 mm cable glands for lighting applications
- 3000/415/1/0 - 1 x 110V 32A socket
- 3000/415/2/0 - 2 x 110V 16A sockets

### SFS 5000/415 - 5kVA continuous and 6kVA intermittent

### TFS 5000/415 - 5kVA continuous and 6kVA intermittent

- 5000/415/0/4 - 4 x 20 mm cable glands for lighting applications
- 5000/415/2/0 - 2 x 110V 32A sockets
- 5000/415/2/2 - 1 x 110V 16A sockets and 1 x 110V 32A socket  
- 2 x 20 mm cable glands for lighting applications
- 5000/415/3/0 - 2 x 110V 16A sockets and 1 x 110V 32A socket



TFS 5000 415/3/0

The SFS (2ph) / TFS (3ph) ranges of portable site transformers with 415V 2ph or 415V 3ph input are suitable for a number of applications. There are 11 models available from 3kVA to 5kVA (continuously rated). The transformers within this range are for heating, lighting, and general use with 1 hour tool ratings of 4kVA to 6kVA. There are 3 different output types in regards to the 3kVA units and 4 different output types in regards to the 5kVA units. All models feature full input protection via 2 pole (SFS) or 3 pole (TFS) MCB and output protection via double pole MCB with MCBs being mounted behind an IP65, high impact, hinged window. The steel enclosure is to Class 1 construction and is phosphor pre-treated and epoxy powder coated red and yellow.

### Specification and Construction

- Designed for a 400~415V 50 Hz 2ph or 3ph input via 25 mm cable entry.
- 110V output centre tapped to earth (55/0/55V).
- Designed to EN 61558-1: 2005 and CE marked.
- Full input protection via 2 pole or 3 pole MCB.
- Output protection via type D double pole MCB.
- IP44 output sockets designed to BS 4343.

Reference	Continuous Rating	1 hour Tool Rating	Input MCB	Output Connection Options	Output MCB	Weight (kg)
SFS 3000 415/0/2	3kVA	4kVA	20A 2 pole	2 x 20 mm cable glands	1 x 32A DP	40
SFS 3000 415/1/0	3kVA	4kVA	20A 2 pole	1 x 110V 32A socket	1 x 32A DP	40
SFS 3000 415/2/0	3kVA	4kVA	20A 2 pole	2 x 110V 16A sockets	1 x 32A DP	40
SFS 5000 415/0/4	5kVA	6kVA	32A 2 pole	4 x 20 mm cable glands	2 x 32A DP	55
SFS 5000 415/2/0	5kVA	6kVA	32A 2 pole	2 x 110V 32A sockets	2 x 32A DP	55
SFS 5000 415/2/2	5kVA	6kVA	32A 2 pole	1 x 110V 16A sockets, 1 x 110V 32A socket, and 2 x 20 mm cable glands	2 x 32A DP	55
SFS 5000 415/3/0	5kVA	6kVA	32A 2 pole	2 x 110V 16A sockets and 1 x 110V 32A socket	2 x 32A DP	55
TFS 5000 415/0/4	5kVA	6kVA	20A 3 pole	4 x 20 mm cable glands	2 x 32A DP	60
TFS 5000 415/2/0	5kVA	6kVA	20A 3 pole	2 x 110V 32A sockets	2 x 32A DP	60
TFS 5000 415/2/2	5kVA	6kVA	20A 3 pole	1 x 110V 16A sockets, 1 x 110V 32A socket, and 2 x 20 mm cable glands	2 x 32A DP	60
TFS 5000 415/3/0	5kVA	6kVA	20A 3 pole	2 x 110V 16A sockets and 1 x 110V 32A socket	2 x 32A DP	60

### WARNING:

Great care should be taken when lifting or moving all portable site transformers.  
Weights between **40 kg and 60 kg** dependant on size / rating.

## 240V Single-Phase (1ph) Site Transformers

- SFS 8/10/6** - 8kVA continuous and 10kVA intermittent  
 - 4 x 110V 16A sockets via 2 x 16A DP MCBs  
 - 2 x 110V 32A sockets via 2 x 32A DP MCBs

- SFS 10/12/6** - 10kVA continuous and 12kVA intermittent  
 - 4 x 110V 16A sockets via 2 x 16A DP MCBs  
 - 2 x 110V 32A sockets via 2 x 32A DP MCBs

## 415V Two-Phase (2ph) Site Transformers

- SFS 8/10/6** - 8kVA continuous and 10kVA intermittent  
 - 4 x 110V 16A sockets via 2 x 16A DP MCBs  
 - 2 x 110V 32A sockets via 2 x 32A DP MCBs

- SFS 10/12/6** - 10kVA continuous and 12kVA intermittent  
 - 4 x 110V 16A sockets via 2 x 16A DP MCBs  
 - 2 x 110V 32A sockets via 2 x 32A DP MCBs



SFS 8/10/6 240V

The SFS range of portable site transformers with 230~240V 1ph or 400~415V 2ph inputs are suitable for a number of applications. There are four models available from 8kVA to 10kVA (continuously rated). The transformers within this range are ideally suited for heating and lighting applications, but can also be used for general applications with 1 hour tool ratings from 10kVA to 12kVA. All units are fitted with 6 socket outlets comprising 4 x 110V 16A and 2 x 110V 32A. All inputs and outputs are fully MCB protected with the MCBs mounted behind a IP65 rated, high impact, hinged window. The steel enclosure is to Class 1 construction and is phosphor pre-treated and epoxy powder coated red and yellow.

## Specification and Construction

- Designed for a 230~240V 50 Hz 1ph input via 25 mm cable entry or 400~415V 50 Hz 2ph input via 25 mm cable entry.
- 110V output centre tapped to earth (55/0/55V).
- Designed to EN 61558-1: 2005 and CE marked.
- Full input and output type D MCB protection.
- IP44 output sockets to BS 4343.

Reference	Continuous Rating	1 hour Tool Rating	Input MCB	Output Connection Options	Output MCB	Weight (kg)
SFS 8/10/6 240V	8kVA	10kVA	50A 1 pole	4 x 110V 16A sockets and 2 x 110V 32A sockets	2 x 16A DP MCBs and 2 X 32A DP MCBs	70
SFS 8/10/6 415V	8kVA	10kVA	40A 2 pole	4 x 110V 16A sockets and 2 x 110V 32A sockets	2 x 16A DP MCBs and 2 X 32A DP MCBs	70
SFS 10/12/6 240V	10kVA	12kVA	63A 1 pole	4 x 110V 16A sockets and 2 x 110V 32A sockets	2 x 16A DP MCBs and 2 X 32A DP MCBs	80
SFS 10/12/6 415V	10kVA	12kVA	50A 2 pole	4 x 110V 16A sockets and 2 x 110V 32A sockets	2 x 16A DP MCBs and 2 X 32A DP MCBs	80

### WARNING:

Lifting and movement of all the above site transformers should be with a fork lift between the skids.  
 Weight between **70 kg and 80 kg** dependant on size / rating.



## 415V Three-Phase (3ph) Site Transformers

**TFS 10000/6** - 10kVA continuous and 12.5kVA intermittent  
 - 4 x 110V 16A sockets via 2 x 16A DP MCBs  
 - 2 x 110V 32A sockets via 2 x 32A DP MCBs

**TFS 15000/9** - 15kVA continuous and 18.5kVA intermittent  
 - 6 x 110V 16A sockets via 3 x 16A DP MCBs  
 - 3 x 110V 32A sockets via 3 x 32A DP MCBs

**TFS 20000/12** - 20kVA continuous and 25kVA intermittent  
 - 8 x 110V 16A sockets via 4 x 16A DP MCBs  
 - 4 x 110V 32A sockets via 4 x 32A DP MCBs

**TFS 25000/12** - 25kVA continuous and 30kVA intermittent  
 - 8 x 110V 16A sockets via 4 x 16A DP MCBs  
 - 4 x 110V 32A sockets via 4 x 32A DP MCBs

**TFS 30000/12** - 30kVA continuous and 35kVA intermittent  
 - 8 x 110V 16A sockets via 4 x 16A DP MCBs  
 - 4 x 110V 32A sockets via 4 x 32A DP MCBs



TFS 30000/12

The TFS range of portable site transformers with 400~420V 3ph delta connected input are suitable for a number of applications. There are five models from 10kVA to 30kVA (continuously rated). The transformers within this range are ideally suited for heating and lighting applications, but can also be used for general applications with 1 hour tool ratings from 12.5kVA to 35kVA. Units are fitted with either 6, 9, or 12 sockets with all inputs and outputs being MCB protected with the MCBs mounted behind an IP65 rated, high impact, hinged window. The steel enclosure is to Class 1 construction and is phosphor pre-treated and epoxy powder coated red and yellow.

### Specification and construction

- Designed for 400~420V 50 Hz 3ph delta connected input via 25 mm cable entry.
- 110V ph/ph star connected output with neutral taken to earth.
- Designed to EN 60076-1 and CE marked.
- Full input and output type D MCB protection.
- IP44 output sockets to BS 4343.

Reference	Continuous Rating	1 hour Tool Rating	Input MCB	Output Connection Options	Output MCB	Weight (kg)
TFS 10000/6	10.0kVA	12.5kVA	30A 3 pole	4 x 110V 16A sockets and 2 x 110V 32A sockets	2 x 16A DP MCBs and 2 X 32A DP MCBs	90
TFS 15000/9	15.0kVA	18.5kVA	45A 3 pole	6 x 110V 16A sockets and 3 x 110V 32A sockets	3 x 16A DP MCBs and 3 X 32A DP MCBs	120
TFS 20000/12	20.0kVA	25.0kVA	50A 3 pole	8 x 110V 16A sockets and 4 x 110V 32A sockets	4 x 16A DP MCBs and 4 X 32A DP MCBs	150
TFS 25000/12	25.0kVA	30.0kVA	63A 3 pole	8 x 110V 16A sockets and 4 x 110V 32A sockets	4 x 16A DP MCBs and 4 X 32A DP MCBs	180
TFS 30000/12	30.0kVA	35.0kVA	63A 3 pole	8 x 110V 16A sockets and 4 x 110V 32A sockets	4 x 16A DP MCBs and 4 X 32A DP MCBs	210

### WARNING:

Lifting and movement of all the above site transformers should be with a fork lift between the skids.  
 Weight between 90 kg and 210 kg dependant on size/rating.

For 'hardwired' workshop applications to supply 110V power tools.

Stock (MV) range of single-phase (1ph) or two-wire (2ph) enclosed transformers with 110V centre tapped (55/0/55V) outputs.

Inputs of 220~250V 50 / 60 Hz 1ph or 380~440V 50 / 60 Hz 2ph.

Enclosures to IP23 for wall or floor mounting.

Available with or without MCB output protection. MCBs mounted behind an IP65 accessible hinged cover.



WSP 3000/2 P2S1

A range of stock single-phase (1ph) or two-phase (2ph) enclosed multi-voltage (MV) transformers for workshop applications. The transformers within this range are enclosed in an EPN style IP23 enclosure with 110V centre tap to earth outputs. The models are continuously rated from 1.5kVA to 3kVA with 20 minute tool ratings from 3kVA to 6kVA. Output sockets are to BS EN 60309-1 (BS 4343) with 110V 16A or 110V 32A sockets fitted. Units are supplied with or without output socket MCB protection and input protection is via thermal overload on 220~250V versions or type D double pole MCB on 380~440V versions. All MCBs are mounted behind an IP65 hinged cover.

Reference	Input Voltages and Input Protection	Transformer Rating	Sockets	Enclosure Reference and Dimensions L x W X H (mm)	Output Protection (DP Type D)	Weight (kg)
WS 3000/2 P1S1	220/230/240/250V Thermal overload	1.5kVA continuous or 3.0kVA tool rated	2 x 110V 16A	EPN 5 350 x 242 x 353	None	18
WS 4000/3 P1S1	220/230/240/250V Thermal overload	2.0kVA continuous or 4.0kVA tool rated	3 x 110V 16A	EPN 5 350 x 242 x 353	None	22
WS 5000/2 P1S1	220/230/240/250V Thermal overload	2.5kVA continuous or 5.0kVA tool rated	1 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	None	28
WS 6000/3 P1S1	220/230/240/250V Thermal overload	3.0kVA continuous or 6.0kVA tool rated	2 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	None	32
WSP 3000/2 P1S1	220/230/240/250V Thermal overload	1.5kVA continuous or 3.0kVA tool rated	2 x 110V 16A	EPN 5 350 x 242 x 353	1 x 16A	18
WSP 4000/3 P1S1	220/230/240/250V Thermal overload	2.0kVA continuous or 4.0kVA tool rated	3 x 110V 16A	EPN 5 350 x 242 x 353	1 x 16A 1 x 32A	22
WSP 5000/2 P1S1	220/230/240/250V Thermal overload	2.5kVA continuous or 5.0kVA tool rated	1 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	1 x 16A 1 x 32A	28
WSP 6000/3 P1S1	220/230/240/250V Thermal overload	3.0kVA continuous or 6.0kVA tool rated	2 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	1 x 16A 1 x 32A	32

Reference	Input Voltages and Input Protection	Transformer Rating	Sockets	Enclosure Reference and Dimensions L x W X H (mm)	Output Protection (DP Type D)	Weight (kg)
WS 3000/2 P2S1	380/400/420/440V 20A DP MCB	1.5kVA continuous or 3.0kVA tool rated	2 x 110V 16A	EPN 5 350 x 242 x 353	None	18
WS 4000/3 P2S1	380/400/420/440V 25A DP MCB	2.0kVA continuous or 4.0kVA tool rated	3 x 110V 16A	EPN 5 350 x 242 x 353	None	22
WS 5000/2 P2S1	380/400/420/440V 32A DP MCB	2.5kVA continuous or 5.0kVA tool rated	1 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	None	28
WS 6000/3 P2S1	380/400/420/440V 40A DP MCB	3.0kVA continuous or 6.0kVA tool rated	2 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	None	32
WSP 3000/2 P2S1	380/400/420/440V 20A DP MCB	1.5kVA continuous or 3.0kVA tool rated	2 x 110V 16A	EPN 5 350 x 242 x 353	1 x 16A	18
WSP 4000/3 P2S1	380/400/420/440V 25A DP MCB	2.0kVA continuous or 4.0kVA tool rated	3 x 110V 16A	EPN 5 350 x 242 x 353	1 x 16A 1 x 32A	22
WSP 5000/2 P2S1	380/400/420/440V 32A DP MCB	2.5kVA continuous or 5.0kVA tool rated	1 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	1 x 16A 1 x 32A	28
WSP 6000/3 P2S1	380/400/420/440V 40A DP MCB	3.0kVA continuous or 6.0kVA tool rated	2 x 110V 16A 1 x 110V 32A	EPN 6 384 x 305 x 454	1 x 16A 1 x 32A	32



# CUSTOM-BUILT RANGE OF ENCLOSED TRANSFORMERS AND COMPLETE CONTROL PANELS

Custom-built single-phase (1ph) and three-phase (3ph) enclosed transformers with accessories.

Wall, floor, or portable enclosures from IP20 to IP65.

Available with fuse, MCB, or thermal protection.

Accessories available include: input or output plugs and sockets, wheels, cooling fans, indicator lamps, meters, and mains isolator switches.

*Three-phase custom-built enclosed transformer*



A range of custom-built single-phase (1ph) or three-phase (3ph) transformers with accessories. The transformers within this range can be cased in a variety of fixed or portable enclosures from IP20 to IP65. Transformers within non-ventilated enclosures are designed with low loss cores and reduced losses in the windings. Fuse, MCB, or thermal protection can be incorporated as well as a wide range of accessories. Available accessories include: input and output plugs and sockets (to many international standards), wheels (for ease of movement), cooling fans, indicator lamps, a variety of metering, and mains isolator switches.

Special Requirements	Typical Options Available
Enclosure type	IP20 or IP23 fixed or portable types with or without fan ventilation (can be made up to IP65)
Input or output protection	Fuse or MCB protection on input and/or outputs mounted inside or outside the enclosure
Indicator lamps	LED: 22 mm panel indicators in various colours
Metering	Digital or analogue, including voltage, current, frequency and power
Mains isolators	From single pole on/off switches to high current multi-pole isolator switches

Custom-built control panels incorporating single-phase (1ph) and three-phase (3ph) transformers.

Can be produced to detailed drawings and specific requirements.

Units from IP23 to IP55 with forced air or air-conditioning.

Fully wired and tested to IEC standards.

Panels can incorporate door interlocks and mains isolators; circuit protection (including MCBs and fusing); and can be monitored with analogue or digital metering to measure voltage, current, frequency, and power.

As well as offering a wide range of transformers for delivering various voltage and power requirements we work alongside a highly reputable UK-based panel builder to offer a full power and panel building service. Our panels can range from IP23 to IP55 and cover a wide range of power applications from a few VA up to 500kVA. We can work from detailed electrical schematics or from specific instructions within a verbal brief. Internal connections can be from DIN rail terminals to high current busbar. Please contact our sales team to discuss your requirements.



*Custom-built control panel*

# INDUSTRIAL EXTENSION LEADS, SOCKETS, AND THREE-WAY SOCKET ADAPTORS

Comprehensive range of extension leads, sockets, and three-way socket adaptors.

Extension leads rated at 110~240V with choice of 13~32A plugs and either a 16~32A coupler or 1-gang / 2-gang 13A socket.

Industrial sockets rated at 100~130V, 220~240V, or 380~415V and available in either 16A or 32A types (2P+E or 3P+N+E).

Three-way adaptors rated at either 110~130V or 220~240V with three 16A 2 pin + earth sockets.



EX142511016A

**\*Item currently stocked**

The EX range of extension leads are rated at either 110V or 230~240V. There are a wide array of types available with cables from 10 m to 25 m in length and 1.5 mm to 4 mm in thickness. Cables are available in yellow or blue and are arctic grade to BS 6004:2012. Plugs are either 13A to BS 1363 or 16~32A to BS EN 60309 with either a 16~32A coupler to BS EN 60309 or a 1-gang / 2-gang 13A socket to BS 1363. All coupler types are designed with IP44 protection and are CE marked.

Reference	Cable Length (m)	Cable Thickness (mm)	Voltage	Plug	Coupler / Socket	IP Rating
EX101511016A	10	1.5	110V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX102511016A	10	2.5	110V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX102511032A	10	2.5	110V	32A to BS EN 60309	32A coupler to BS EN 60309	IP44
EX141511016A*	14	1.5	110V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX142511016A*	14	2.5	110V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX142511032A*	14	2.5	110V	32A to BS EN 60309	32A coupler to BS EN 60309	IP44
EX144011032A	14	4.0	110V	32A to BS EN 60309	32A coupler to BS EN 60309	IP44
EX251511016A	25	1.5	110V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX252511016A	25	2.5	110V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX141524016A	14	1.5	230~240V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX142524016A	14	2.5	230~240V	16A to BS EN 60309	16A coupler to BS EN 60309	IP44
EX142524032A	14	2.5	230~240V	32A to BS EN 60309	32A coupler to BS EN 60309	IP44
EX14152401G	14	1.5	230~240V	13A to BS 1363	13A 1-gang socket to BS 1363	-
EX14152402G	14	1.5	230~240V	13A to BS 1363	13A 2-gang socket to BS 1363	-

The FS range of industrial sockets are rated at 100~130V, 220~240V, or 380~415V and are available in either 16A or 32A types. Sockets are designed with IP44 protection and are for either 2 pin + earth or 3 pin + neutral + earth plugs.



FS14541

The A10 range of three-way adaptors are rated at 110~130V or 220~240V with three 16A 2 pin + earth sockets. The adaptors are designed with IP44 protection.



A1013-4

Reference	Voltage	Current	Frequency	Design	IP Rating
FS1134	100~130V	16A	50 / 60 Hz	2P+E	IP44
FS3134	100~130V	32A	50 / 60 Hz	2P+E	IP44
FS1234	220~240V	16A	50 / 60 Hz	2P+E	IP44
FS3234	220~240V	32A	50 / 60 Hz	2P+E	IP44
FS14541	380~415V	16A	50 / 60 Hz	3P+N+E	IP44

Reference	Voltage	Current	Frequency	Design	IP Rating
A1013-4*	100~130V	3 x 16A	50 / 60 Hz	2P+E	IP44
A1023-4	220~240V	3 x 16A	50 / 60 Hz	2P+E	IP44



# STOCK RANGE OF DIN RAIL MOUNTABLE SOCKETS AND INDUSTRIAL PLUGS AND SOCKETS TO IP44 AND IP67

A comprehensive range of high quality DIN rail mountable sockets and industrial plugs and sockets.

DIN rail mountable sockets designed to various national standards.

Industrial plugs and sockets designed to BS EN 60309-1 (BS 4343). Available in 110V AC, 230V AC, and 400V AC types from 16A to 32A. Protection to IP44 and IP67.

A comprehensive range of DIN rail mountable sockets for power tools, instruments, and for output supplies from control panels.



MARL 1412.UK

Reference	Voltage and Current	Standard	Connections	Protection	Dimensions L x W x H (mm)	Weight (kg)
MARL 1412.UK	250V AC 16A	UK	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	53 x 82 x 60	0.1
MARL 1412.I	250V AC 16A	Schuko	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	53 x 82 x 60	0.1
MARL 1412.F	250V AC 16A	France	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	53 x 82 x 60	0.1
ALFA SOCKET01	250V AC 16A	Germany	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	92 x 57 x 51	0.1
ALFA SOCKET02	250V AC 16A	Italy	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	92 x 57 x 51	0.1
ALFA SOCKET03	250V AC 16A	France	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	92 x 57 x 51	0.1
ALFA SOCKET04	125V AC 16A	Euro-American	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	92 x 57 x 51	0.1
ALFA SOCKET05	250V AC 16A	Spain	3 pole 2.5 mm <sup>2</sup>	IP20 Class I	92 x 57 x 51	0.1



Industrial plugs and sockets group

A comprehensive range of IP44 and IP67 plugs and sockets to BS EN 60309-1 (BS4343). The plugs and sockets in this series are available in 110V, 230~240V and 400~420V types with current ratings of either 16A or 32A.

Socket Reference	Description	IP Rating and Colour	Size (mm)	Plug Reference	Description	IP Rating and Colour	Size L O/A (mm)
PS44.110.16.2PE	110V 16A 2P + E	IP44	64 x 74	PP44.110.16.2PE	110V 16A 2P + E	IP44	130
PS44.230.16.2PE	230V 16A 2P + E	IP44	64 x 74	PP44.230.16.2PE	230V 16A 2P + E	IP44	130
PS44.400.16.3PE	400V 16A 3P + E	IP44	70 x 85	PP44.400.16.3PE	400V 16A 3P + E	IP44	130
PS44.400.16.3PNE	400V 16A 3P + N + E	IP44	80 x 97	PP44.400.16.3PNE	400V 16A 3P + N + E	IP44	130
PS44.110.32.2PE	110V 32A 2P + E	IP44	92 x 100	PP44.110.32.2PE	110V 32A 2P + E	IP44	160
PS44.230.32.2PE	230V 32A 2P + E	IP44	92 x 100	PP44.230.32.2PE	230V 32A 2P + E	IP44	160
PS44.400.32.3PE	400V 32A 3P + E	IP44	92 x 100	PP44.400.32.3PE	400V 32A 3P + E	IP44	160
PS44.400.32.3PNE	400V 32A 3P + N + E	IP44	92 x 100	PP44.400.32.3PNE	400V 32A 3P + N + E	IP44	160
PS67.110.16.2PE	110V 16A 2P + E	IP67	92 x 100	PP67.110.16.2PE	110V 16A 2P + E	IP67	130
PS67.230.16.2PE	230V 16A 2P + E	IP67	92 x 100	PP67.230.16.2PE	230V 16A 2P + E	IP67	130
PS67.400.16.3PE	400V 16A 3P + E	IP67	92 x 100	PP67.400.16.3PE	400V 16A 3P + E	IP67	130
PS67.400.16.3PNE	400V 16A 3P + N + E	IP67	92 x 100	PP67.400.16.3PNE	400V 16A 3P + N + E	IP67	130
PS67.110.32.2PE	110V 32A 2P + E	IP67	92 x 100	PP67.110.32.2PE	110V 32A 2P + E	IP67	160
PS67.230.32.2PE	230V 32A 2P + E	IP67	92 x 100	PP67.230.32.2PE	230V 32A 2P + E	IP67	160
PS67.400.32.3PE	400V 32A 3P + E	IP67	92 x 100	PP67.400.32.3PE	400V 32A 3P + E	IP67	160
PS67.400.32.3PNE	400V 32A 3P + N + E	IP67	92 x 100	PP67.400.32.3PNE	400V 32A 3P + N + E	IP67	160

## INDUSTRIAL FESTOON LIGHTING STRINGS AND FESTOON LIGHTING KITS

Our festoon lighting strings range from 50 m to 100 m and incorporate between 20 and 100 lightbulb holders.

Strings do not come with lightbulbs or guards.

Designed with IP44 protection.

Rated at either 110V or 230V.

CE marked.

\*Item currently stocked



FS50BC25

Reference	Cable Length (m)	Number of Lightbulb Holders	Lightbulb Holder Spacing (m)	Voltage	Plug	Lightbulb Fitting	IP Rating
FS50BC25	50.00	25	2.00	110V	1 x 110V 16A	Bayonet cap	IP44
FS50ES25	50.00	25	2.00	110V	1 x 110V 16A	Edison screw	IP44
FS50BC/50B	50.00	50	1.00	230V	-	Bayonet cap	IP44
FS50ES/50B	50.00	50	1.00	230V	-	Edison screw	IP44
FS100BC20	100.00	20	5.00	110V	1 x 110V 16A	Bayonet cap	IP44
FS100ES20	100.00	20	5.00	110V	1 x 110V 16A	Edison screw	IP44
FS100BC/100B	100.00	100	1.00	230V	-	Bayonet cap	IP44
FS100ES/100B	100.00	100	1.00	230V	-	Edison screw	IP44

Our festoon lighting kits include string, lightbulb holders, lightbulbs (further specification in table below), and festoon guards (unless specified otherwise).

The strings range from 22 m to 200 m in length and feature either 10, 33, or 66 lightbulbs.

All strings are fitted with a 110V 16A plug.

Designed with IP44 protection.

CE marked.



FS25ES10

Reference	Cable Length (m)	Number of Lightbulbs	Lightbulb Holder Spacing	Number of Guards	Voltage	Plug	Lightbulb Fitting	IP Rating
FS22BC10	22.00	10 x 60W	2.20	10	110V	1 x 110V 16A	Bayonet cap	IP44
FS22BC10LED	22.00	10 x 10W LED	2.20	10	110V	1 x 110V 16A	Bayonet cap	IP44
FS22ES10	22.00	10 x 60W	2.20	10	110V	1 x 110V 16A	Edison screw	IP44
FS22ES10LED	22.00	10 x 10W LED	2.20	10	110V	1 x 110V 16A	Edison screw	IP44
FS25BC10	25.00	10 x 60W	2.50	10	110V	1 x 110V 16A	Bayonet cap	IP44
FS25BC10LED	25.00	10 x 10W LED	2.50	10	110V	1 x 110V 16A	Bayonet cap	IP44
FS25ES10*	25.00	10 x 60W	2.50	10	110V	1 x 110V 16A	Edison screw	IP44
FS25ES10LED*	25.00	10 x 10W LED	2.50	10	110V	1 x 110V 16A	Edison screw	IP44
FS100BC33	100.00	33 x 60W	3.03	33	110V	1 x 110V 16A	Bayonet cap	IP44
FS100ES33*	100.00	33 x 60W	3.03	33	110V	1 x 110V 16A	Edison screw	IP44
FS200BC66L	200.00	66 x 60W	3.03	-	110V	1 x 110V 16A	Bayonet cap	IP44
FS200BC66LG	200.00	66 x 60W	3.03	33	110V	1 x 110V 16A	Bayonet cap	IP44
FS200ES66L	200.00	66 x 60W	3.03	-	110V	1 x 110V 16A	Edison screw	IP44
FS200ES66LG	200.00	66 x 60W	3.03	33	110V	1 x 110V 16A	Edison screw	IP44



## 20 WATT TO 30 WATT SUPER BRIGHT SMD LED LANTERNS TO IP54 / IP65 WITH LUMEN RATINGS FROM 2,800 LM TO 3,400 LM

- All-round 360° illumination without any dark spots.
- Non-dazzling with an impact-resistant glare-free lens.
- SMD super bright LED.
- Colour temperature of 6,500K.
- Colour rendering index (Ra) level between 70 and 85.
- Cable and plug included (CL30W).
- 16A outlet socket for linking (CL30W).



CL30W110

\*Item currently stocked

The CL series of SMD super bright LED lanterns give all-around 360° illumination without any dark spots and, as such, reduce the likelihood of shadows. They are non-dazzling with an impact-resistant glare free lens. The colour temperature of the lights is 6,500K with a colour rendering index (Ra) level of between 70 and 85. A cable and plug are included as well as a 16A outlet socket for linking (CL30W). The impact protector rating is IK10 and the units have an energy efficiency classification of Class A+. The working temperature of the models is between -20 °C and +55 °C and they are ideal for, both, indoor and outdoor application. The CL20WEB unit is rechargeable with a 7.4V 8Ah battery.

	CL20WEB	CL30W110*	CL30W110-HL	CL30W240	CL30W240-HL
<b>Input Voltage</b>	110~240V	110~130V	110~130V	220~240V	220~240V
<b>Wattage</b>	20 Watt	30 Watt	30 Watt	30 Watt	30 Watt
<b>Lamp Type</b>	SMD 2835 LED chip	SMD 2835 LED chip	SMD 2835 LED chip	SMD 2835 LED chip	SMD 2835 LED chip
<b>Lumens</b>	1,800 lm	2,800 lm	3,400 lm	2,800 lm	3,400 lm
<b>IP Rating</b>	IP65	IP54	IP54	IP54	IP54
<b>Output Sockets</b>	1 x 5V USB (for mobile charging)	1 x 110V 16A	1 x 110V 16A	1 x 240V 16A	1 x 240V 16A
<b>Charging Time</b>	4 to 5 hours	-	-	-	-
<b>Running Time (on Battery)</b>	3 to 6 hours	-	-	-	-
<b>Battery Type</b>	Li-ion 7.4V 8Ah	-	-	-	-
<b>Energy Efficiency Class</b>	A+	A+	A+	A+	A+
<b>Colour Temperature</b>	6,500K	6,500K	6,500K	6,500K	6,500K
<b>Colour Rendering Index (Ra)</b>	70~85	70~85	70~85	70~85	70~85
<b>Impact Protection</b>	IK10	IK10	IK10	IK10	IK10
<b>Working Temperature (°C)</b>	-20 to +55	-20 to +55	-20 to +55	-20 to +55	-20 to +55
<b>Dimensions diam. x H (mm)</b>	190 x 235.5	190 x 235.5	190 x 235.5	190 x 235.5	190 x 235.5

# OPAL SUPER BRIGHT SMD LED SITE LIGHTING TO IP54 FROM 30 WATTS TO 44 WATTS

Opal glare-free polycarbonate diffuser and polycarbonate body fixture housing.

Super bright SMD LED light source.

120° brightness coverage without any dark spots.

Colour temperature between 2,700K and 6,500K.

With 5 m cable and plug.

PTO box with 2 x 16A outlet sockets.



\*Item currently stocked

CL2FTLED

PL5FTLED

The CL2FTLED series of SMD super bright LED site lighting units are rated at either 30 Watts or 35 Watts with input voltages of 110~130V or 220~240V. The lights provide 120° brightness coverage without any dark spots, reducing the likelihood of shadows. The models consist of an opal glare-free polycarbonate diffuser and a polycarbonate body fixing housing. The colour temperature of the lights is between 2,700K and 6,500K with a colour rendering index (Ra) level of between 70 and 85. A 5 m cable and plug are included as well as a PTO box housing 2 x 16A outlet sockets. The energy efficiency classification of the lights is Class A+ and they are designed to IP54 protection standards. The working temperature is between -20 °C and +55 °C and they are ideal for, both, indoor and outdoor application.

Reference	Wattage	Input Voltage	Lamp Type	Lumens	IP Rating	Output Sockets
CL2FTLED*	30 Watt	100~130V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
CL2FTLEDEB	30 Watt	100~130V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
CL2FTLED35W	35 Watt	100~130V	SMD LED chip	3,000 lm/m	IP54	2 x 16A
CL2FTLED35WEB	35 Watt	100~130V	SMD LED chip	3,000 lm/m	IP54	2 x 16A
CL2FTLED240	30 Watt	220~240V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
CL2FTLED35W240	35 Watt	220~240V	SMD LED chip	3,000 lm/m	IP54	2 x 16A

The PL2FTLED series of SMD super bright LED site lighting units are rated at either 30 Watts or 35 Watts with input voltages of 110~130V or 220~240V. The lights provide 120° brightness coverage without any dark spots, reducing the likelihood of shadows. The models consist of an opal glare-free polycarbonate diffuser and a polycarbonate body fixing housing. The colour temperature of the lights is between 2,700K and 6,500K with a colour rendering index (Ra) level of between 70 and 85. A 5 m cable and plug are included as well as a PTO box housing 2 x 16A outlet sockets. The energy efficiency classification of the lights is Class A+ and they are designed to IP54 protection standards. The working temperature is between -20 °C and +55 °C and they are ideal for, both, indoor and outdoor application.

Reference	Wattage	Input Voltage	Lamp Type	Lumens	IP Rating	Output Sockets
PL2FTLED*	30 Watt	100~130V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
PL2FTLEDEB	30 Watt	100~130V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
PL2FTLED35W	35 Watt	100~130V	SMD LED chip	3,000 lm/m	IP54	2 x 16A
PL2FTLED35WEB	35 Watt	100~130V	SMD LED chip	3,000 lm/m	IP54	2 x 16A
PL2FTLED240	30 Watt	220~240V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
PL2FTLED35W240	35 Watt	220~240V	SMD LED chip	3,000 lm/m	IP54	2 x 16A

The PL5FTLED series of SMD super bright LED site lighting units are rated at 44 Watts with input voltages of 110~130V or 220~240V. The lights provide 120° brightness coverage without any dark spots, reducing the likelihood of shadows. The models consist of an opal glare-free polycarbonate diffuser and a polycarbonate body fixing housing. The colour temperature of the lights is between 2,700K and 6,500K with a colour rendering index (Ra) level of between 70 and 85. A 5 m cable and plug are included as well as a PTO box housing 2 x 16A outlet sockets. The energy efficiency classification of the lights is Class A+ and they are designed to IP54 protection standards. The working temperature is between -20 °C and +55 °C and they are ideal for, both, indoor and outdoor application.

Reference	Wattage	Input Voltage	Lamp Type	Lumens	IP Rating	Output Sockets
PL5FTLED*	44 Watt	100~130V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
PL5FTLEDEB	44 Watt	100~130V	SMD LED chip	2,600 lm/m	IP54	2 x 16A
PL5FTLED240	44 Watt	220~240V	SMD LED chip	2,600 lm/m	IP54	2 x 16A

## FLUORESCENT SITE LIGHTING TO IP54 FROM 36 WATTS TO 58 WATTS

Fluorescent site lighting units.

From 36 Watts to 58 Watts.

Input voltages either 100~130V or 220~240V.

Complete with cable and PTO box housing  
2 x 16A outlet sockets.

Clear impact-resistant polycarbonate diffuser  
and plastic body.



The CL218W series of fluorescent site lighting units are rated at 36 Watts with input voltages of either 110~130V or 220~240V. The lights are waterproof and designed to IP54 protection standards. The models come complete with a 3 m cable and PTO box housing 2 x 16A outlet sockets. The units have a plastic body with a clear impact-resistant polycarbonate diffuser. They possess a high frequency electronic ballast and an A-type stand. The CL218WEB model features an emergency battery pack for 3 hours at 110V.

Reference	Wattage	Input Voltage	Lamp Type	Lumens	IP Rating	Output Sockets
CL218W	36 Watt	100~130V	T8 2 ft fluorescent	2,800 lm/m	IP54	2 x 16A
CL218WEB	36 Watt	100~130V	T8 2 ft fluorescent	2,800 lm/m	IP54	2 x 16A
CL218W240	36 Watt	220~240V	T8 2 ft fluorescent	2,800 lm/m	IP54	2 x 16A

The PL218W series of fluorescent site lighting units are rated at 36 Watts with input voltages of either 110~130V or 220~240V. The lights are waterproof and designed to IP54 protection standards. The models come complete with a 5 m cable and PTO box housing 2 x 16A outlet sockets. The units have a plastic body with a clear impact-resistant polycarbonate diffuser. They possess a high frequency electronic ballast and an retractable stand. The PL218WEB model features an emergency battery pack for 3 hours at 110V.

Reference	Wattage	Input Voltage	Lamp Type	Lumens	IP Rating	Output Sockets
PL218W	36 Watt	100~130V	T8 2 ft fluorescent	2,800 lm/m	IP54	2 x 16A
PL218WEB	36 Watt	100~130V	T8 2 ft fluorescent	2,800 lm/m	IP54	2 x 16A
PL218W240	36 Watt	220~240V	T8 2 ft fluorescent	2,800 lm/m	IP54	2 x 16A

The PL158W series of fluorescent site lighting units are rated at 58 Watts with input voltages of either 110~130V or 220~240V. The lights are waterproof and designed to IP54 protection standards. The models come complete with a 5 m cable and PTO box housing 2 x 16A outlet sockets. The units have a plastic body with a clear impact-resistant polycarbonate diffuser. They possess a high frequency electronic ballast and an retractable stand. The PL158WEB model features an emergency battery pack for 3 hours at 110V.

Reference	Wattage	Input Voltage	Lamp Type	Lumens	IP Rating	Output Sockets
PL158W	58 Watt	100~130V	T8 5 ft fluorescent	4,500 lm/m	IP54	2 x 16A
PL158WEB	58 Watt	100~130V	T8 5 ft fluorescent	4,500 lm/m	IP54	2 x 16A
PL158W240	58 Watt	220~240V	T8 5 ft fluorescent	4,500 lm/m	IP54	2 x 16A

## 20W SMD SUPER BRIGHT LED WORK LIGHT TO IP54 WITH A LUMEN RATING OF 1,800 LM

20 Watt LED work lights.

SMD super bright LED lamp.

IP54 protection rating.

Impact resistant tough nylon plastic case with clear polycarbonate diffuser.

Colour temperature between 2,700K and 6,500K.

Colour rendering index (Ra) level between 70 and 85.



T20LED110S

T20LED240

**\*Item currently stocked**

The T20 series of SMD super bright LED work lights give 120° illumination without any dark spots. The colour temperature of the lights is between 2,700K and 6,500K with a colour rendering index (Ra) level of between 70 and 85. The T20LED110S and T20LED240S models feature an output socket and the energy efficiency classification for all units is Class A+. The units are made from impact resistant tough nylon plastic with a clear polycarbonate diffuser. The impact protector rating is IK07 with their working temperature between -20 °C and +55 °C. The lights are ideal for, both, indoor and outdoor application.

	T20LED110	T20LED240	T20LED110S*	T20LED240S
<b>Input Voltage</b>	110~130V	220~240V	110~130V	220~240V
<b>Wattage</b>	20 Watt	20 Watt	20 Watt	20 Watt
<b>Lamp Type</b>	SMD LED chip	SMD LED chip	SMD LED chip	SMD LED chip
<b>Lumens</b>	1,800 lm	1,800 lm	1,800 lm	1,800 lm
<b>IP Rating</b>	IP54	IP54	IP54	IP54
<b>Output Sockets</b>	-	-	1 x 16A	1 x 16A
<b>Dimensions L x W x H (mm)</b>	242 x 97 x 271	242 x 97 x 271	242 x 130 x 271	242 x 130 x 271
<b>Energy Efficiency Class</b>	A+	A+	A+	A+
<b>Colour Temperature</b>	2,700K to 6,500K	2,700K to 6,500K	2,700K to 6,500K	2,700K to 6,500K
<b>Colour Rendering Index (Ra)</b>	70~85	70~85	70~85	70~85
<b>Impact Protection</b>	IK07	IK07	IK07	IK07
<b>Working Temperature (°C)</b>	-20 to +55	-20 to +55	-20 to +55	-20 to +55

## SUPER BRIGHT COB LED FLOODLIGHTS TO IP44 FOR FLOOR MOUNTING FROM 10 WATTS TO 60 WATTS

Powder-coated die-cast aluminium housing with tempered glass lens.

Super bright COB LED light source.

120° light range without any dark spots.

Colour temperature from 2,700K to 6,500K.

Colouring rendering index (Ra) level between 70 and 85.

Complete with carry handle, cable, and plug.

\*Item currently stocked



The FLLED series of super bright COB LED floodlights for floor mounting are designed to IP44 with powder-coated die-cast aluminium housing and a tempered glass lens. The units range from 10 Watts to 60 Watts with input voltages of, either, 100~130V or 220~240V. They feature a 120° light range without any dark spots and a colour temperature range from 2,700K to 6,500K. Their colour rendering index (Ra) level is between 70 and 85. The lights are all complete with a carry handle, cable, and plug and are ideal for, both, indoor and outdoor applications. The energy classification rating of the models is Class A+ and they are yellow in colour as standard (black and blue units are available upon request).

Reference	Wattage	Input Voltage	Description	Lamp Type	Lumens	IP Rating
FLLED10MP110	10 Watt	100~130V	Quadrilateral design	COB LED chip	900 lm	IP44
FLLED10MPS110	10 Watt	100~130V	Quadrilateral design / hooks to wrap cable	COB LED chip	900 lm	IP44
FLLED10RO110	10 Watt	100~130V	Rounded design	COB LED chip	900 lm	IP44
FLLED20MP110*	20 Watt	100~130V	Quadrilateral design	COB LED chip	1,800 lm	IP44
FLLED20MPS110	20 Watt	100~130V	Quadrilateral design, hooks to wrap cable	COB LED chip	1,800 lm	IP44
FLLED20RO110	20 Watt	100~130V	Rounded design	COB LED chip	1,800 lm	IP44
FLLED30MP110*	30 Watt	100~130V	Quadrilateral design	COB LED chip	2,700 lm	IP44
FLLED30MP240	30 Watt	220~240V	Quadrilateral design	COB LED chip	2,700 lm	IP44
FLLED30RO110	30 Watt	100~130V	Rounded design / hooks to wrap cable	COB LED chip	2,700 lm	IP44
FLLED60MP110	60 Watt	100~130V	Quadrilateral design / hooks to wrap cable	COB LED chip	5,400 lm	IP44



# SUPER BRIGHT COB STAND MOUNTED LED FLOODLIGHTS TO IP44 FROM 10 WATTS TO 30 WATTS

Powder-coated die-cast aluminium housing with tempered glass lens.

Super bright COB LED light source.

**\*Item currently stocked**

120° light range without any dark spots.

Colour temperature from 2,700K to 6,500K.

Colouring rendering index (Ra) level between 70 and 85.

Stand mounted on either a swing stand, telescopic tripod, or retractable leg stand



FLLED2X10SS110



FLLED2X20SLT110

The FLLED series of super bright COB LED stand mounted floodlights designed to IP44 with powder-coated die-cast aluminium housing and a tempered glass lens. The units range from 10 Watts to 30 Watts with input voltages of, either, 100~130V or 220~240V. They feature a 120° light range without any dark spots and a colour temperature range from 2,700K to 6,500K. Their colour rendering index (Ra) level is between 70 and 85. The lights are all complete with a carry handle, cable, and plug and are ideal for, both, indoor and outdoor applications. The energy classification rating of the models is Class A+ and they are yellow in colour as standard (black and blue units are available upon request). The swing stands and retractable leg stands range from 1.7 m to 2.7 m in height, whereas, the telescopic tripods range from 1.15 m to 1.95 m in height.

Reference	Wattage	Input Voltage	Stand Type	Output Sockets	Lamp Type	Lumens	IP Rating
FLLED1X10SS110	1 x 10 Watt	100~130V	Swing stand	-	COB LED chip	900 lm	IP44
FLLED1X10SLT110	1 x 10 Watt	100~130V	Telescopic tripod	-	COB LED chip	900 lm	IP44
FLLED1X20SS110	1 x 20 Watt	100~130V	Swing stand	-	COB LED chip	1,800 lm	IP44
FLLED1X20SLT110*	1 x 20 Watt	100~130V	Telescopic tripod	-	COB LED chip	1,800 lm	IP44
FLLED1X30PTO110	1 x 30 Watt	100~130V	Retractable leg stand	2 x 16A	COB LED chip	2,700 lm	IP44
FLLED1X30PTO240	1 x 30 Watt	220~240V	Retractable leg stand	2 x 16A	COB LED chip	2,700 lm	IP44
FLLED2X10SS110	2 x 10 Watt	100~130V	Swing stand	-	COB LED chip	1,800 lm	IP44
FLLED2X10SLT110*	2 x 10 Watt	100~130V	Telescopic tripod	-	COB LED chip	1,800 lm	IP44
FLLED2X20SS110	2 x 20 Watt	100~130V	Swing stand	-	COB LED chip	3,600 lm	IP44
FLLED2X20SLT110	2 x 20 Watt	100~130V	Telescopic tripod	-	COB LED chip	3,600 lm	IP44
FLLED2X30PTO110	2 x 30 Watt	100~130V	Retractable leg stand	2 x 16A	COB LED chip	5,400 lm	IP44
FLLED2X30PTO240	2 x 30 Watt	220~240V	Retractable leg stand	2 x 16A	COB LED chip	5,400 lm	IP44



## GUIDE TO IP RATINGS: PROTECTION OF PERSONS AND THE PROTECTION OF EQUIPMENT

An IP rating is used when specifying the protection of enclosures, and covers for electrical or electronic equipment, from dust, solid objects, and fluids.

The first number refers to the protection against dust and solid objects and the second number refers to the protection against fluids and moisture.

First Digit	Definition	Second Digit	Definition
X	Protection unspecified (not stated)	X	Protection unspecified (not stated)
0	Non-protected	0	Non-protected
1	Protection of the back of the hand against accidental access to hazardous parts and protection of equipment against objects larger than 50 mm	1	Protection against drops of water falling vertically
2	Protection of fingers against access to hazardous parts and protection of equipment against objects larger than 12.5 mm	2	Protection against drops of water falling vertically when the object is tilted up to 15° from the vertical
3	Protection of persons holding tools or wires (larger than 2.5 mm in diameter) and protection of equipment against objects larger than 2.5 mm	3	Protection against spraying water up to 60° from the vertical
4	Protection of persons holding small tools or wires (larger than 1 mm in diameter) and protection of equipment against objects larger than 1 mm	4	Protection against splashing and spraying water from all practical directions with limited ingress permitted
5	Protection against entry of dust in sufficient quantity to interfere with the satisfactory operation of the equipment	5	Protection against low pressure jets of water from all practical directions with limited ingress permitted
6	Complete protection against the entry of dust	6	Protection against heavy seas or a strong jet of water from all practical directions (e.g. for use on ships decks)
		7	Protection against the effects of immersion between 15 cm and 1 m in depth
		8	Protection against long periods of immersion under pressure (tests subject to agreement)



# Notes



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Site Transformers and Equipment