



## Starters for Fluorescent Lamps

Each fluorescent lamp requires a starter for the purpose of preheating before lighting.



Starter Application Table

| Type           | Applicable Fluorescent Lamps                                                                |
|----------------|---------------------------------------------------------------------------------------------|
| FG-7E or FG-7P | FL-4, FL-6, FL-8, FL-10, GL-6, GL-10                                                        |
| FG-1E or FG-1P | FL15, FL-20SS/18, FL-20S, FL-20, FL-20SS, FL-20S/EL, FL-20EL, FL-30S, FCL-20, FCL-30, GL-15 |
| FG-4P          | FL-40S, FL40, FCL-40                                                                        |
| FG-5P          | FL-40                                                                                       |

| CODE   | Type  | Base Type | Size mm<br>Diam. x Length |
|--------|-------|-----------|---------------------------|
| 791501 | FG-7E | E-17      | 17x40                     |
| 791502 | FG-1E | E-17      | 17x40                     |
| 791503 | FG-7P | P-21      | 21x38                     |
| 791504 | FG-1P | P-21      | 21x38                     |
| 791505 | FG-4P | P-21      | 21x38                     |
| 791506 | FG-5P | P-21      | 21x38                     |

## Mercury Lamp Lighting Fixtures



Can be used as a mercury lamp cargo light.  
Watertight semi-portable lighting fixture.

| CODE   | Fitting      | Lamp Base | Applicable Lamp |
|--------|--------------|-----------|-----------------|
| 791811 | Flanged-base | E-39      | HRF-300,400     |

## High Pressure Sodium Lamp Flood Lighting Fixtures



| CODE                   | 791821       | 791822          | 791823     | 791824 |
|------------------------|--------------|-----------------|------------|--------|
| Lamp                   | Watt xNos    | 400Wx1          | 400Wx2     |        |
|                        | Luminousflux | 47000 lm        | 47000x2 lm |        |
| AC Voltage             | 110V         | 220V            | 110V       | 220V   |
| Height of Light Source | 332mm        |                 |            |        |
| Base                   | Out Dia.     | 240mm           |            |        |
| Flange                 | Bolt Circle  | 200mm           |            |        |
| Material               | Body         | Stainless Steel |            |        |
|                        | Bracket      | Mild Steel      |            |        |

## Explosion-Proof Mercury Vapor Floodlights

Designed for use on board in hazardous atmospheres containing explosive and combustible gases and vapors.  
Appropriate ballast built in.



| CODE   | Lamp Watt | Voltage |
|--------|-----------|---------|
| 791831 | 300       | 100     |
| 791832 | 300       | 200     |
| 791833 | 400       | 100     |
| 791834 | 400       | 200     |

## Single Base Cargo Lights

Drip proof single base cargo light for marine use.



| Code   | Type        | Lamp watt | Base type | Dia |
|--------|-------------|-----------|-----------|-----|
| 792003 | Single base | 300       | E39       | 400 |
| 792004 | Single base | 500       | E39       | 400 |

## Cargo Lights Base Semi Portable Type

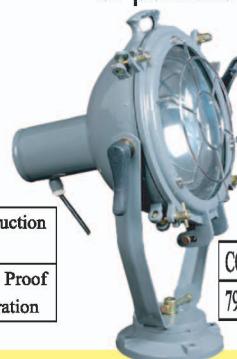
Drip proof, vibration proof, quadruple base cargo light. Main body made of steel sheet and painted for marine use.



| CODE   | Type   | Lamp Watt | Lmap Number | Lamp Base | Guard Diam. | Construction |
|--------|--------|-----------|-------------|-----------|-------------|--------------|
| 792007 | No.1-3 | 60        | 4           | E26       | 410mm       | Drip Proof   |
| 792008 | No.1-3 | 60        | 4           | B22       | 410mm       | & Vibration  |

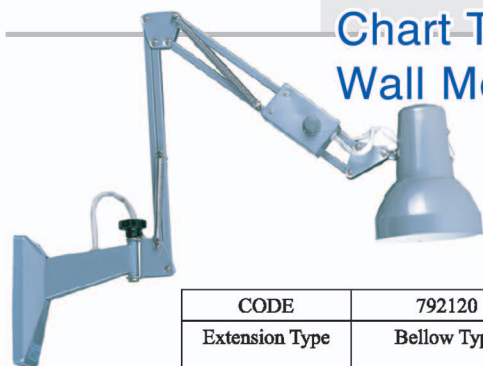
## Marine Floodlight projectors water & vibration proof

Water and vibration proof single base flood lighting projector. Main body made of painted steel sheet



| CODE   | Base Number | Watt | ΦD mm |
|--------|-------------|------|-------|
| 792032 | E39 1       | 500  | 410   |





## Chart Table Light Wall Mounting

| CODE           | 792120       | 792121          |
|----------------|--------------|-----------------|
| Extension Type | Bellow Type  | Pantagraph Type |
| Extended to    | 820mm        | 880mm           |
| Unextended     | 225mm        | 180mm           |
| Setting Hole   | 75×75×90mm×6 | 65×95mm×4       |
| Shade Size     | 160φ×155H mm | 160φ×145H mm    |
| Lamp           | 40W or 60W   |                 |
| Base           | E-26         |                 |

## Explosion-Proof Portable Hand Lamp



used in hazardous atmospheres containing explosive and combustible gases and vapors

| CODE   | Type      | Voltage | Lamp watt | Base type |
|--------|-----------|---------|-----------|-----------|
| 792171 | Explosive | 110     | 60        | E-26      |
| 792172 | Explosive | 220     | 60        | E-26      |
| 792173 | Explosive | 110v    | 100w      | E-26      |
| 792174 | Explosive | 220v    | 100w      | E-26      |

## Lantern Batteries

Weatherproof heavy duty 6volt lantern battery .  
For use in lanterns, flashers and alarms.



| CODE   | Type               |
|--------|--------------------|
| 792435 | Battery lantern 6v |

## Watertight Hand Clamp

With S90A screw globe and cast Iron body and guard.



| CODE   | Type        | LampWatts | Base type |
|--------|-------------|-----------|-----------|
| 792151 | Water tight | 60        | E-26      |
| 792152 | Water tight | 60        | B-22      |

## Marine Watertight Type Wall Light

Used for the illumination of passageways in exposed area on board ships



| CODE   | Type | Lamp Base | Watt |
|--------|------|-----------|------|
| 792066 | W    | E-26      | 60   |
| 792067 | WB-1 | B-15      | 20   |
| 792068 | Wb-2 | E-26      | 60   |

## Watertight Plugs



1MA

1MB

2MA

| CODE   | TYPE |          | Body Material | No.of Pin | Rated Capacity |
|--------|------|----------|---------------|-----------|----------------|
| 792801 | 1MA  | Straight | Synthetic     | 3         | 250V           |
| 792802 | 1MB  | Angle    | Resin         |           | 20Amp          |
| 792803 | 2MB  | Straight | Synthetic     | 4         | 250V           |
| 792804 | 2MB  | Angle    | Resin         |           | 20Amp          |



2MB

## Flash-light Bright-Star



| CODE   |
|--------|
| 793316 |

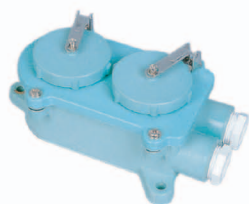


## Watertight Receptacles



| CODE   | Type | Material | Switch  | Numb of pin | capacity |
|--------|------|----------|---------|-------------|----------|
| 792806 | 1M   | Resin    | without | 3 pin       | 250v     |
| 792807 | 2M   | Resin    | without | 4pin        | 250v     |
| 792808 | S1MR | Resin    | with    | 3pin        | 250v     |

## Watertight 3-pin Twin Receptacles



Without Switch

With Switch

| CODE   | Type           | Pins | Rated Capacity                    |
|--------|----------------|------|-----------------------------------|
| 792831 | Without Switch | 3    | 250V 15 A                         |
| 792832 | With Swith     | 3    | 250V AC5A DC2A<br>250V AC10A DC5A |

## Watertight 3-pin Plugs Receptacles



Plug

Receptacle with Switch

| CODE   | Type | Material   | Description                       |
|--------|------|------------|-----------------------------------|
| 792881 | HNA  | Resin      | Plug 3pin                         |
| 792882 | HNA  | Resin      | Receptacle with switch 3pin       |
| 792883 | HNA  | Resin      | Plug& Receptacle with switch 3pin |
| 792886 | HNA  | Cast Brass | Plug 3pin                         |
| 792887 | HNA  | Cast Brass | Receptacle with switch 3pin       |
| 792888 | HNA  | Cast Brass | Plug& Receptacle with switch 3pin |

## Non-Watertight "Siemens" Cable Plug & Receptacles



| CODE   | Description                                     |
|--------|-------------------------------------------------|
| 792921 | Plug, 2 round pin "Siemens"                     |
| 792922 | Receptacle single, 2 round pin "Siemens"        |
| 792923 | Receptacle double, 2 round pin "Siemens"        |
| 792924 | Plug & single receptacle, 2 round pin "Siemens" |
| 792925 | Plug & double receptacle, 2 round pin "Siemens" |

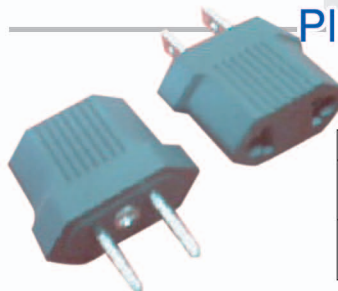
## Cabin-Flush Receptacles

For 2-flat pin plugs with type grounding outlet



| CODE   | Outlet No. | Size mm   |
|--------|------------|-----------|
| 792973 | Single     | 82 x 115  |
| 792974 | Double     | 115 x 144 |

## Plug & Receptacle Adaptors



| CODE   | TYPE                                            |
|--------|-------------------------------------------------|
| 792961 | Adaptor 2 flat pin plug, 2 round pin receptacle |
| 792862 | Adaptor 2 round pin plug, 2 flat pin receptacle |

## Non-Watertight Plug & Receptacles

| CODE   | Description                           |
|--------|---------------------------------------|
| 782901 | Plug, phenol resin, 3pin Type UB      |
| 792902 | receptacle, phenol resin, 3pin Type U |
| 792903 | Plug & receptacle, phenol resin, 3pin |
| 782904 | Plug, phenol resin, 3pin Type IB      |
| 792905 | receptacle, phenol resin, 3pin Type I |
| 792906 | Plug & receptacle, phenol resin, 3pin |



## Marine-Watertight Type Small Rotary Switch



Used on board for light and small electric fitting of a rated voltage 250v or less

| CODE   | TYPE | NO. of pole |
|--------|------|-------------|
| 793015 | 1MR  | 2           |
| 793017 | 2MR  | 2           |

## Non-Watertight Seesaw Switches

Synthetic resin seesaw switches.



| CODE   | Type           | Rating   | Size mm   |
|--------|----------------|----------|-----------|
| 793091 | Single Surface | 250V 10A | 65×52×39  |
| 793092 | Single Flush   |          | 89×82×53  |
| 793093 | Double Flush   |          | 132×39×51 |



## PVC Insulation Tape

For electrical insulation in domestic and industrial binding, pipe lagging



| CODE   | Width mm | Meter Per Spool | CODE   | Width mm | Meter Per Spool |
|--------|----------|-----------------|--------|----------|-----------------|
| 795433 | 19       | 10              | 795432 | 50       | 20              |
| 795431 | 19       | 20              |        |          |                 |

## Rubber Insulation Tape



|        |                                   |    |
|--------|-----------------------------------|----|
| 795436 | Rubber insulation tape 20mm×10mtr | Pc |
|--------|-----------------------------------|----|

## Welding Cable Connectors



| CODE   | Ampere | Applicable Cable Size mm | Overall Length mm |
|--------|--------|--------------------------|-------------------|
| 794761 | 300A   | 38~50                    | 200               |
| 794762 | 500A   | 60~80                    | 295               |

## Marine Watertight Joint Boxes

Marine watertight type joint boxes mainly used for wiring in engine rooms, stores and on decks, etc.

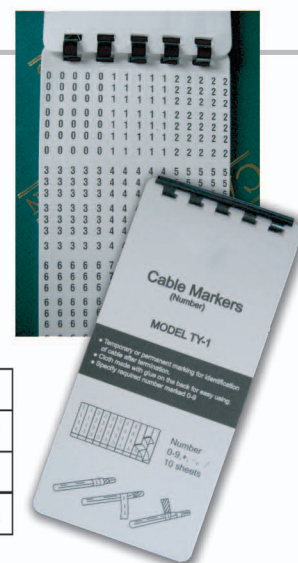


| CODE | 794831 | 794832 | 794833 |
|------|--------|--------|--------|
| TYPE | 1      | 2      | 2M     |

## Cable Markers

Temporary or permanent making for identification of cable after termination. Cloth made with glue on the back for easy application. Specify required number marked 0-9 or alphabet marked A-Z for each sheet or in full set.

|        |                                                |     |
|--------|------------------------------------------------|-----|
| 794801 | Marking number, 0-9 each respective sheet      | Pc  |
| 794802 | Marking number, 0-9 in full set of 10 sheets   | Set |
| 794803 | Marking alphabet, A-Z each respective sheet    | Pc  |
| 794804 | Marking alphabet, A-Z in full set of 26 sheets | Set |



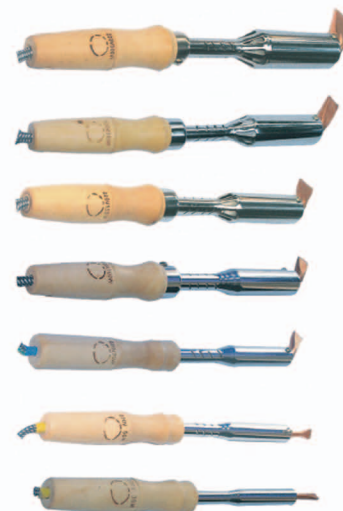
## Electric Soldering Irons

### 110V I-Round

| CODE   | Watts | Tip Size mm | Overall Length mm |
|--------|-------|-------------|-------------------|
| 795011 | 15    | 4×76        | 230               |
| 795012 | 30    | 5×81        | 230               |
| 795013 | 60    | 7×110       | 410               |
| 795014 | 80    | 7×110       | 430               |
| 795015 | 100   | 9×110       | 345               |
| 795016 | 150   | 13×115      | 350               |
| 795017 | 200   | 16×125      | 365               |
| 795018 | 300   | 19×135      | 375               |

### 220V I-Round

| CODE   | Watts | Tip Size mm | Overall Length mm |
|--------|-------|-------------|-------------------|
| 795051 | 15    | 4×76        | 230               |
| 795052 | 30    | 5×81        | 230               |
| 795053 | 60    | 7×110       | 410               |
| 795054 | 80    | 7×110       | 430               |
| 795055 | 100   | 9×110       | 345               |
| 795056 | 150   | 13×115      | 350               |
| 795057 | 200   | 16×125      | 365               |



## Cable Gland Brass, Screw Type

| CODE   | Nominal Size | Inner Gasket Inside Diam | Pipe Thread PF |
|--------|--------------|--------------------------|----------------|
| 794811 | 10 mm        | 7mm                      | 3/8            |
| 794812 | 15 mm        | 9                        | 1/2            |
| 794813 | 20 mm        | 12                       | 3/4            |
| 794814 | 25 mm        | 16                       | 1              |
| 794815 | 30 mm        | 22                       | 1-1/4          |
| 794816 | 35 mm        | 28                       | 1-1/2          |
| 794817 | 40 mm        | 32                       | 1-1/2          |
| 794818 | 45 mm        | 36                       | 2              |
| 794819 | 50 mm        | 42                       | 2              |
| 794820 | 55 mm        | 46                       | 2-1/2          |
| 794821 | 60 mm        | 52                       | 2-1/2          |



## Insulation Putty, Duxseal or Neoseal



This is a common solution for sealing cable entrances through walls or floors...terminal boxes.

|        |                       |     |
|--------|-----------------------|-----|
| 795501 | Putty insulation 1 kg | PKT |
|--------|-----------------------|-----|