



**Andrew Chalmers & Mitchell Limited**

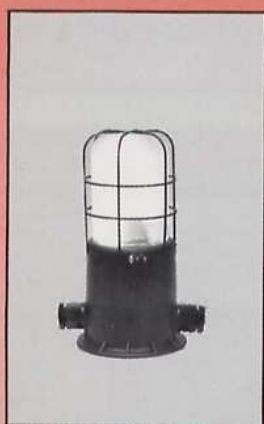
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## **BUTYL RUBBER LIGHTING RANGE**

### **ROBUST, VIRTUALLY UNBREAKABLE**



276



470



279



489



487



458

**A COMPREHENSIVE RANGE OF LUMINAIRES DESIGNED  
FOR USE IN OUTDOOR AND INDOOR INDUSTRIAL,  
MARINE AND COMMERCIAL SITUATIONS**

By using the latest manufacturing techniques, robust construction has been combined with excellent light output in a non-ageing heavy duty moulded rubber housing of attractive appearance and minimum weight. These construction materials make this range of products virtually unbreakable.

All the fittings are highly resistant to corrosive atmospheres and to ingress of water, dirt, etc., and can operate in extreme temperatures down to  $-40^{\circ}\text{C}$  (except for fluorescent).

Another important feature of the **CHALMIT** luminaires is that they have built in anti-vibration characteristics. Extensive experience has shown where vibration is a serious problem, lamps last very much longer in **CHALMIT** butyl rubber luminaires than they do in conventional metal designs.

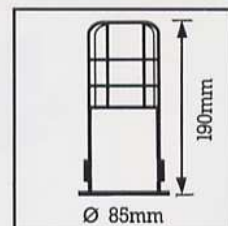
All luminaires comply with BS.4533 with ingress protection from IP44-66.



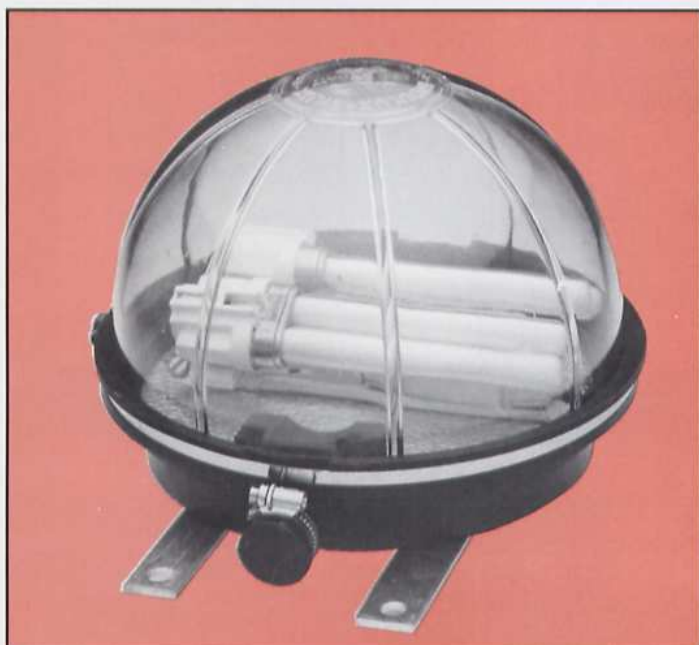
## CHALMIT 276 - IP44 BULKHEAD

A compact bulkhead specifically designed for use with fluorescent SL type lamps. The lamp is protected from damage and handling by a wire guard.

A very versatile and robust bulkhead allowing the use of SL lamps in more arduous environments, where the full benefits of this lamp source are yet to be achieved.



LAMP	WATTS	VOLTAGE	WEIGHT	CAP
Fluorescent	9, 13, 18	220/240	1.0 KG	ES

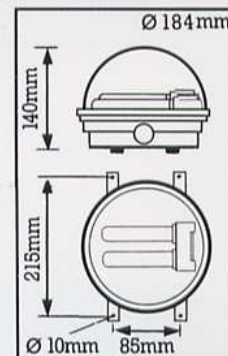


## CHALMIT 279 - IP65 BULKHEAD

A compact bulkhead luminaire that is very neat in design and as well as GLS tungsten, can incorporate the latest compact fluorescent lamps. These give a combination of long lamp life, low energy consumption in an extremely robust luminaire, ensuring a minimum of maintenance.

The 279 is supplied with a standard bracket arrangement but alternatives such as angled brackets can be supplied. There are two cable entry points each of which is fitted with removable rubber plugs to give looping facilities.

**Accessories:** Angled Bracket, Opaque Dome.



LAMP	WATTS	VOLTAGE	WEIGHT	CI
Fluorescent	7	220/240	1.0 KG	G23
Fluorescent	2 x 7	24, 220, 240	1.0 KG	G23
GLS Tungsten	25-60	25, 50, 110, 200, 220, 240	0.8 KG	BC/ES

NOTE: — 3-pin BC available for GLS Tungsten

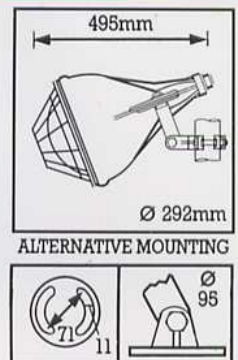




## CHALMIT 458 – IP66 FLOODLIGHT

A high wattage weatherproof floodlight available post or foot mounted. Several lamp sources can be incorporated. For discharge lamps a control gear box can be supplied. The floodlight is supplied as standard with a protective wire guard and a heavy duty borosilicate front glass which is designed to withstand extremes of temperatures.

**Accessories:** Swivel Bracket, Handrail Attachment, PTFE Coating on Mounting Bracket, Cadmium Plated Steel Wire Guard, 20mm Conduit Entry.



LAMP	WATTS	VOLTAGE	WEIGHT	CAP
GLS Tungsten	300	50, 110, 240	4.2 KGS	E40
GLS Tungsten	500	110, 240	4.2 KGS	E40
T/Halogen	300, 500	110, 240	4.2 KGS	E40
SON/SON-T	150, 250	220/240	4.2 KGS	E40
MBFU	250	220/240	4.2 KGS	E40

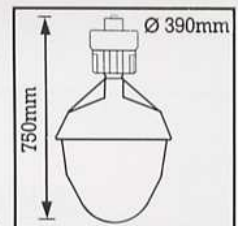


## CHALMIT 470 – IP66 HIGH BAY

**CHALMIT 470** luminaires are for use in high bay or similar applications particularly in hostile environments where concentrations of water vapour or corrosive chemical atmospheres may be present. The non-metallic construction incorporating a moulded butyl rubber base sealed to a polycarbonate bowl makes it ideal for use in these environments. As a sealed unit there is no risk of glass falling into process areas should the lamp break.

The luminaire can be used with H I D lamps up to 400 watts, giving high levels of illumination.

Through its construction materials the 470 is virtually unbreakable. This is ideal for areas where it may come into contact with moving objects, i.e. in storage areas using fork lift trucks, or sports halls where conventional metal fittings can be easily damaged.



LAMP	WATTS	VOLTAGE	WEIGHT	CAP
GLS Tungsten	300, 500	110, 220, 240	4.6 KG	E40
T/Halogen	500	110, 240	4.6 KG	E40
MBFU/MBFR	250, 400	220/240	12.3 KG	E40
MBI	250, 400	220/240	12.3 KG	E40
SON/SON-R	250, 400	220/240	12.3 KG	E40



## CHALMIT 487 – IP65 FLOODLIGHT

A low wattage floodlight available post or foot mounted. Several lamp sources can be accommodated. For discharge sources a control gear box can be supplied. The mounting brackets are manufactured from gravity die cast aluminium alloy which is extremely resistant to the corrosive effects of sea water. A versatile and robust luminaire ideal for marine or industrial use.

**Accessories:** Handrail Attachment, 20mm Conduit Entry, PTFE Coating on Mounting Bracket.



LAMP	WATTS	VOLTAGE	WEIGHT	CAP
GLS Tungsten	25-200	25, 50, 110, 200, 220, 240	2.0 KG	ES/BC
PAR 38	60-150	25, 50, 110, 200, 220, 240	2.0 KG	ES
T/Halogen	200 MAX	25, 50, 110, 200, 220, 240	2.0 KG	ES
SON/SON-T	35, 50, 70	220/240	2.0 KG	ES
MBFU	50, 80, 125	220/240	2.0 KG	ES





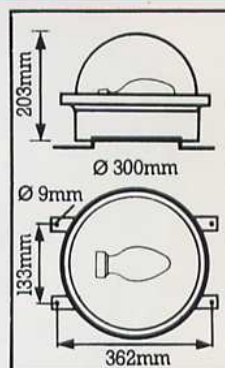
## CHALMIT 489 - IP65 BULKHEAD

A versatile bulkhead fitting which is designed to withstand hostile operating environments and be simple to maintain and relamp.

For discharge lamps all control gear is internally mounted giving a compact high performance bulkhead.

The reflector is made from polished and hard anodised super purity aluminium giving the highest possible light output. Fixing brackets are of sea water corrosion resistant aluminium alloy. The 489 will also accommodate a 22 watt circular or compact PL type fluorescent lamp.

**Accessories:** Stainless Steel Fixing Brackets, Looping Facilities, Glass Dome, Coloured Domes, Opaque Dome.



LAMP	WATTS	VOLTAGE	WEIGHT	CAP
Fluorescent	22W	110/240	3.5 KG	G10q
Fluorescent	4 x 9W	220/240	3.5 KG	G23
GLS Tungsten	200W MAX	25, 50, 110, 200, 220, 240	3.2 KG	ES
T/Halogen	250W MAX	25, 240	3.2 KG	ES
MBFU	50, 80, 125W	220, 240	4.6 KG	ES
SON	35, 50, 70W	220, 240	5.0 KG	ES
Emergency	6W	220, 240	4.1 KG	Single Bi-Pin

## CHALMIT 489E - EMERGENCY LIGHTING UNIT (3 Hrs. Non-maintained)

For applications where a corrosion resistant emergency lighting unit is required, the 489E is ideal.

When power fails, a 6 watt fluorescent tube is automatically illuminated and will operate for 3 hours on the internal battery pack. Supply must be connected during normal operation to ensure the batteries are always fully charged.

## A HIGHLY VERSATILE RANGE OF LIGHTING WITH MANY APPLICATIONS

Ships' Deck Floodlighting  
Fishing Vessels  
Steel Works  
Building Sites  
Foundries

Factories  
Chemical Works  
Docks  
Railway Sidings  
Warehouses

Electricity Generating Stations  
Oil Rigs/Platforms  
Oil Tankers  
Refineries

### IMPORTANT NOTE

If the above are being used in areas with high ambient temperatures, then it is desirable to reduce the maximum rated wattages. CHALMIT are pleased to advise.

For discharge sources, floodlights 458 + 487 require Chalmit 506 control gear boxes.

**DO NOT PAINT LUMINAIRES**

### OPTIONAL EXTRAS

CHALMIT can arrange to supply the fixtures above fitted with cable, industrial plugs and lamp sources, if required. Send your specification for cable, plugs, and lamp sources to us to allow us to quote.



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## DOUBLE INSULATED PORTABLE & TEMPORARY LIGHTING

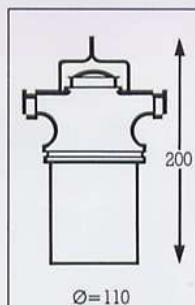




## PORTABLE & TEMPORARY LIGHTING TUNGSTEN, TUNGSTEN HALOGEN & FLUORESCENT

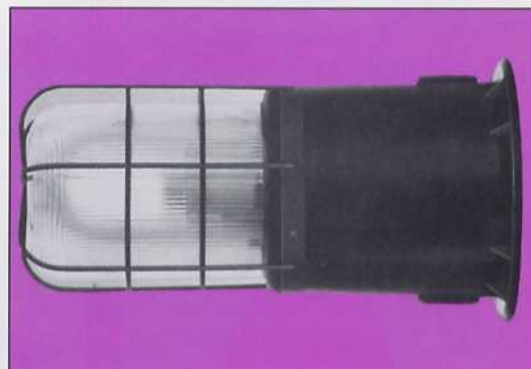
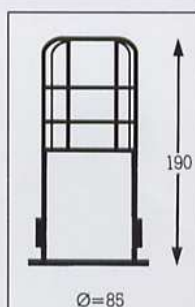
### CHALMIT 275H UP TO 40 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
 PROTECTION: IP65
- RATING: Maximum 40 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES, BC & 3 PIN BC
  - WIRING: Through Facility
  - WEIGHT: 0.2 KG
  - Butyl Rubber Body, Polycarbonate Cover.



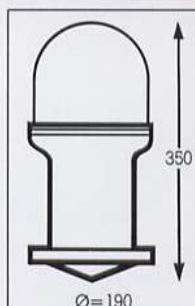
### CHALMIT 276H 9, 13 AND 18 WATTS

- LAMP SOURCE: Fluorescent SL Type  
 PROTECTION: IP44
- RATING: Maximum 18 Watts
  - VOLTAGE RANGE: 220/240 Volt AC
  - LAMPHOLDER: ES, (BC Optional)
  - WIRING: Through Facility
  - WEIGHT: 1 KG
  - Butyl Rubber Body, Standard S.L. Lamp.



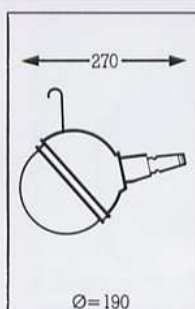
### CHALMIT 277H 40, 60, 100, 150 AND 200 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
 PROTECTION: IP65
- RATING: Maximum 200 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES
  - WIRING: Supplied with 10m Cable
  - WEIGHT: 2.3 KG
  - Butyl Rubber Body, Polycarbonate Cover.



### CHALMIT 278H 40, 60, 100 AND 150 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
 PROTECTION: IP65
- RATING: Maximum 150 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES, BC, 3 Pin BC
  - WIRING: Single Entry
  - WEIGHT: 0.9 KG
  - Butyl Rubber Body, Polycarbonate Cover.





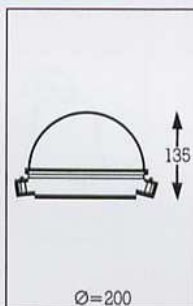


## DOUBLE INSULATED FOR GREATER SAFETY

### LAMP RATINGS FROM 18 TO 500 WATTS

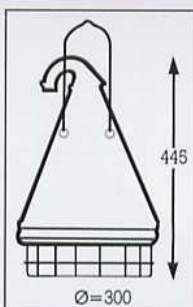
#### CHALMIT 279H 40, 60 AND 100 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
PROTECTION: IP65
- RATING: Maximum 100 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES, BC, 3 Pin BC
  - WIRING: Through Facility
  - WEIGHT: 0.8 KG
  - Butyl Rubber Body, Polycarbonate Cover.



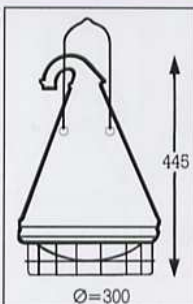
#### CHALMIT 458H 300 AND 500 WATTS

- LAMP SOURCE: Tungsten G.L.S. & Halogen  
PROTECTION: IP23
- RATING: Maximum 500 Watts
  - VOLTAGE RANGE: 110, 240 Volts AC/DC
  - LAMPHOLDER: G.E.S. (E40)
  - WIRING: Single Entry  
(Through version available)
  - WEIGHT: 3 KG
  - Butyl Rubber Body.



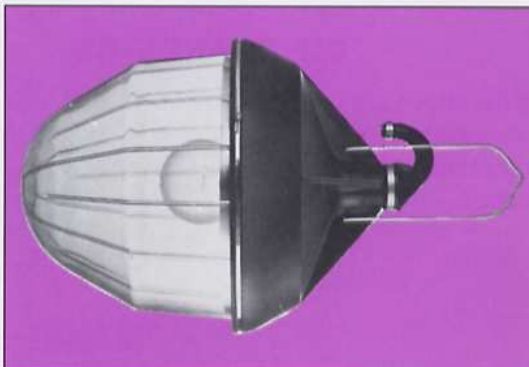
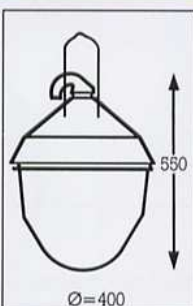
#### CHALMIT 458HG 300 AND 500 WATTS

- LAMP SOURCE: Tungsten G.L.S. & Halogen  
PROTECTION: IP65
- Similar to 458H above but fitted with a Borosilicate Glass to afford additional protection to lamp. Also available with a Polycarbonate Cover. Maximum Wattage 300 Watts.
  - WEIGHT: 4.0 KG
  - Butyl Rubber Body, Borosilicate Glass.



#### CHALMIT 470H 300 AND 500 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
PROTECTION: IP65
- RATING: Maximum 500 Watts
  - VOLTAGE RANGE: 110, 240 Volts AC/DC
  - LAMPHOLDER: G.E.S. (E40)
  - WIRING: Single Entry  
(Through version available)
  - WEIGHT: 4.6 KG
  - Butyl Rubber Body, Polycarbonate Cover.





## MOULDED BUTYL RUBBER CONSTRUCTION

## HIGH RESISTANCE TO VIBRATION

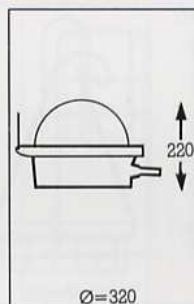
### CHALMIT 487H 40, 60, 100, 150 AND 200 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
 PROTECTION: IP65
- RATING: Maximum 200 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES & BC
  - WIRING: Single Entry
  - WEIGHT: 2 KG
  - Butyl Rubber Body, Toughened Glass.



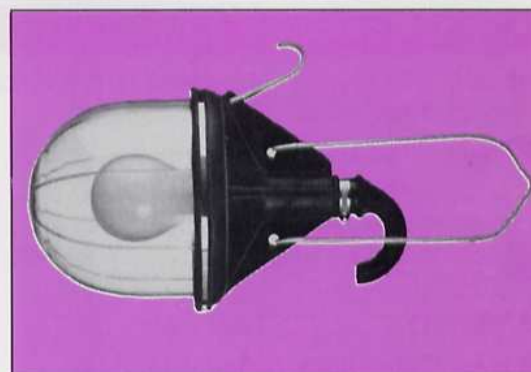
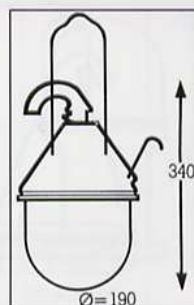
### CHALMIT 489H 40, 60, 100, 150 AND 200 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
 PROTECTION: IP65
- RATING: Maximum 200 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES
  - WIRING: Single Entry
  - WEIGHT: 2.4 KG
  - Butyl Rubber Body, Polycarbonate Cover.



### CHALMIT 494H 40, 60, 100, 150 AND 200 WATTS

- LAMP SOURCE: Tungsten G.L.S.  
 PROTECTION: IP65
- RATING: Maximum 200 Watts
  - VOLTAGE RANGE: 25, 50, 110, 240 Volts AC/DC
  - LAMPHOLDER: ES
  - WIRING: Single Entry  
(Through version available)
  - WEIGHT: 0.9 KG
  - Butyl Rubber Body, Polycarbonate Cover.



### IMPORTANT NOTE

If the above are being used in areas with high ambient temperatures, then it is desirable to reduce the maximum rated wattages. CHALMIT are pleased to advise.

### OPTIONAL EXTRAS

CHALMIT can arrange to supply the fixtures above fitted with cable, industrial plugs and lamp sources, if required. Send your specification for cable, plugs, and lamp sources to us to allow us to quote.

CHALMIT can also offer a range of metal housing floodlights for use as temporary/portable lighting in non-hazardous, Zone 2 and Zone 1 hazardous areas. Details available.