

Chalmit

Andrew Chalmers & Mitchell Limited

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WEATHERPROOF IP65 FLOODLIGHTS

Aluminium Alloy LM6 Range





Tungsten Halogen Range 612, 613 & 619

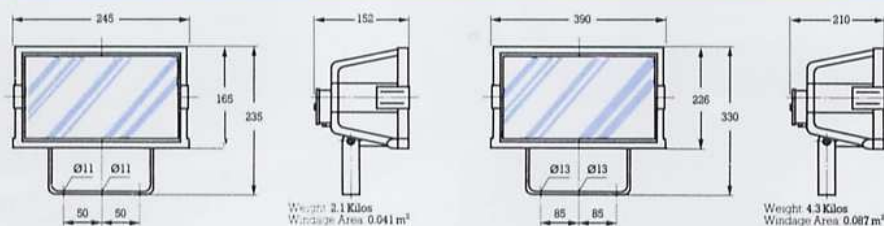
CHALMIT weatherproof tungsten halogen floodlight manufactured from sea water corrosion resistant aluminium alloy LM6, finished in grey enamel.

The floodlight is available in either post, stirrup or spigot mounting arrangement.

Access to the lamp is via a hinged cover front containing a clear toughened glass and bezel, secured by 2 stainless steel quick release clips. This enclosure also contains the highly efficient anodised aluminium reflector.

The gasket material used is silicone rubber.

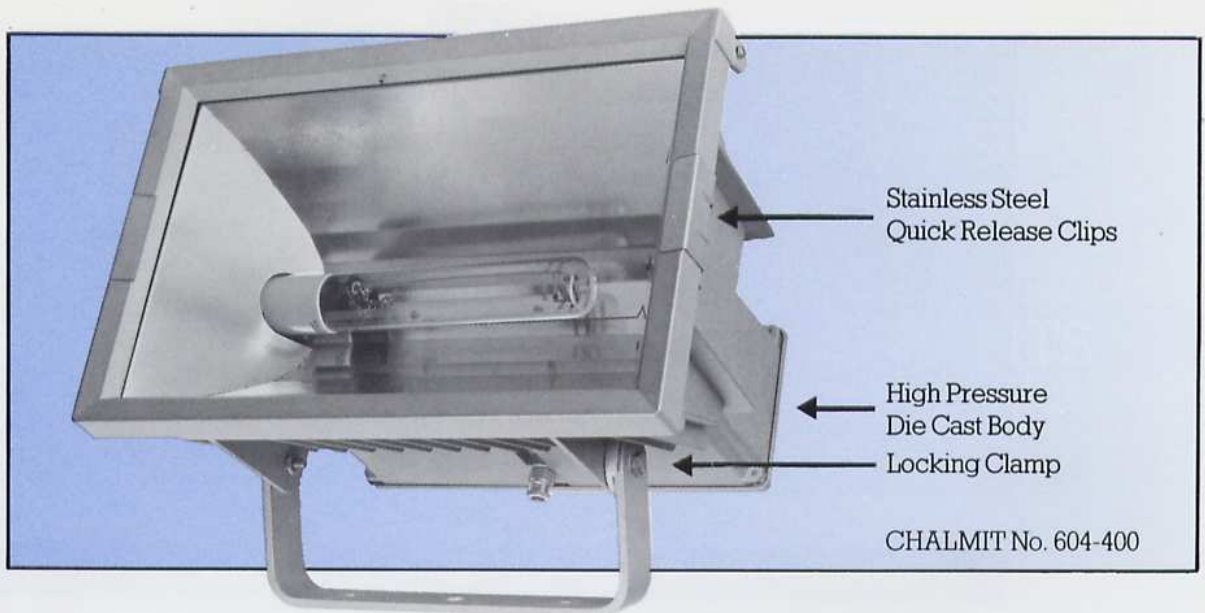
The unit is suitable for a range of linear tungsten halogen lamps, depending on the model, from 150 watt — 1500 watt. The lampholder arrangements are R7S or GES E40. A 20 mm ISO tapped entry is supplied with each luminaire suitable of accepting a cable size of up to 4 mm².



TYPE		RATING WATTS	VOLTS	LUMENS OUTPUT	LENGTH	HEIGHT	DEPTH	WEIGHT
<i>- For Tungsten Halogen Lamps range</i>								
612-150	(1)	150	24	2680	245	235	152	2.1
612-300	(1)	300	110/240	6000/5000	245	235	152	2.1
612-500	(1)	500	110/240	9500	245	235	152	2.1
613-750	(2)	750	110/240	16500	390	330	210	4.3
613-1000	(2)	1000	110/240	22000	390	330	210	4.3
613-1500	(2)	1500	240	33000	390	330	210	4.3
619-300	(2)	300	110	6000	390	330	210	4.3
619-500	(2)	500	110/240	9500	390	330	210	4.3

(1) Windage Area=0.041 M². (2) Windage Area=0.087 M².

Chalmit



High Pressure Sodium Range 604, 605 & 606

CHALMIT High Pressure Sodium floodlight range is manufactured from high pressure die cast aluminium alloy LM6, finished in grey enamel.

The floodlight is produced in 2 versions. The smaller wattage units contain internal control gear, the larger wattage units have an integral control gear chamber.

All models are available for post, stirrup or spigot mounting.

Access to the lamp is via a hinged cover front containing a clear toughened glass and bezel, secured by 2 stainless steel quick release clips.

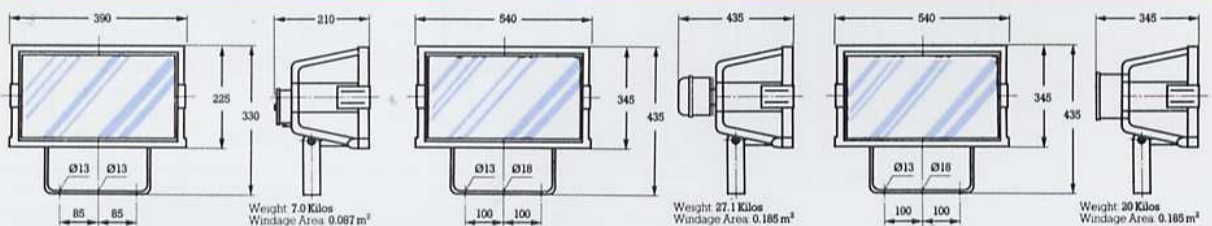
This enclosure also contains the highly efficient anodised aluminium reflector.

The gasket material used is silicone rubber.

The control gear comprises of ballast, capacitors and ignitor.

The lid to the integral control gear enclosure is secured by six stainless steel screws.

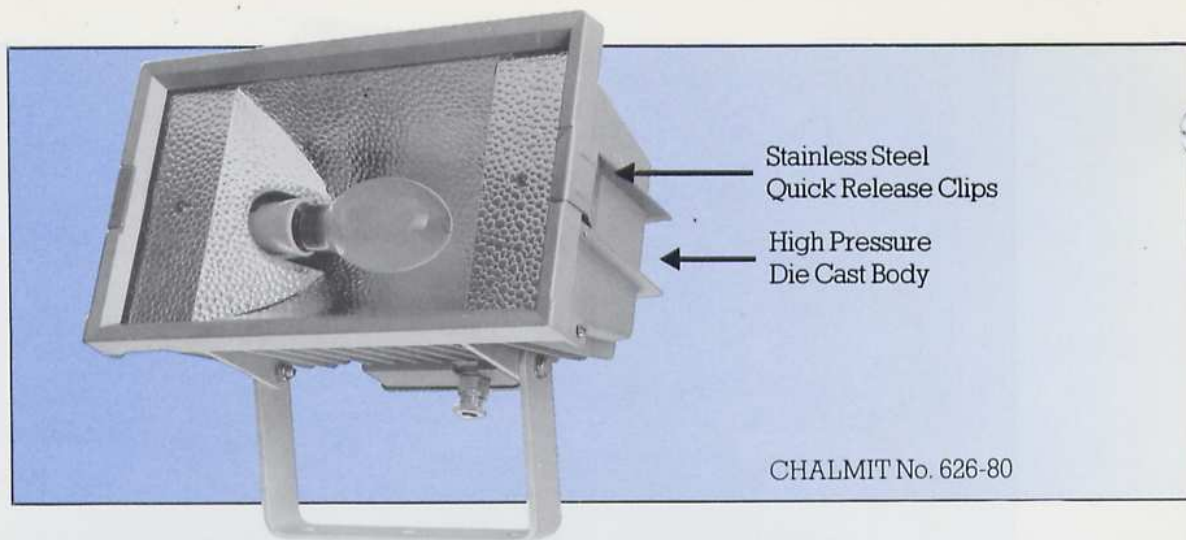
A 20 mm ISO tapped entry is supplied with each luminaire suitable of accepting a cable size of up to 4 mm².



TYPE		RATING WATTS	LUMENS OUTPUT (2000 hrs)	LENGTH	HEIGHT	DEPTH	WEIGHT
<i>- For High Pressure Sodium Lamps</i>							
604-70	(2)	70	6400	390	330	210	7.0
604-150	(3)	150	14350	540	435	345	14.3
604-250	(3)	250	25700	540	435	345	15.8
604-400	(3)	400	46500	540	435	345	19.3
604-600	(3)	600	72500	540	435	435	24.2
604-1000	(3)	1000	129000	540	435	435	27.1
605-250	(3)	250	25200	540	435	345	15.5
605-400	(3)	400	45500	540	435	345	19.1
606-70	(2)	70	5500	390	330	210	7.0
606-150	(3)	150	13850	540	435	345	14.3
606-250	(3)	250	24800	540	435	345	15.8
606-400	(3)	400	46000	540	435	345	19.3

(2) Windage Area = 0.087 m² (3) Windage Area = 0.185 m²

Chalmit



Mercury Vapour Range 626 ■ Metal Halide Range 634, 635 & 636

CHALMIT MBF/U and Metal Halide floodlight range is manufactured from high pressure die cast aluminium alloy LM6, finished in grey enamel.

The floodlight is produced in 2 versions. The smaller wattage units contain internal control gear, the larger wattage units have an integral control gear chamber.

All models are available for post, stirrup or spigot mounting.

Access to the lamp is via a hinged cover front containing a clear toughened glass and bezel, secured by 2 stainless steel quick release clips.

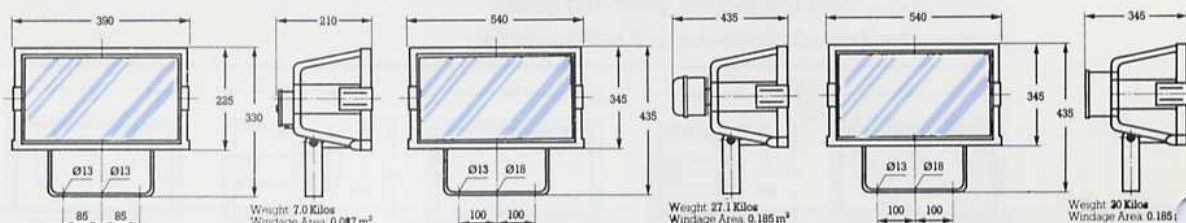
This enclosure also contains the highly efficient anodised aluminium reflector.

The gasket material used is silicone rubber.

The control gear comprises of ballast, capacitors and ignitor.

The lid to the integral control gear enclosure is secured by six stainless steel screws.

A 20 mm ISO tapped entry is supplied with each luminaire suitable of accepting a cable size of up to 4 mm².



TYPE		RATING WATTS	LUMENS OUTPUT (2000 hrs)	LENGTH	HEIGHT	DEPTH	WEIGHT
<i>-For Mercury Vapour Lamps</i>							
626-80	(2)	80	3800	390	330	210	6.5
626-125	(2)	125	6200	390	330	210	6.6
626-250	(3)	250	13300	540	435	345	15.0
626-400	(3)	400	22800	540	435	345	17.0
<i>-For Metal Halide Lamps</i>							
634-250	(3)	250	17100	540	435	345	15.8
634-400	(3)	400	25200	540	435	345	18.0
634-1000	(3)	1000	72000	540	435	435	26.5
635-70	(2)	70	4500	390	330	210	7.2
635-250	(3)	250	18000	540	435	345	15.5
635-400	(3)	400	22500	540	435	345	17.7
635-1000	(3)	1000	81000	540	435	435	26.5
636-250	(3)	250	15300	540	435	345	15.8
636-400	(3)	400	23400	540	435	345	18.0

(2) Windage Area = 0.087 m² (3) Windage Area = 0.185 m²

Chalmit



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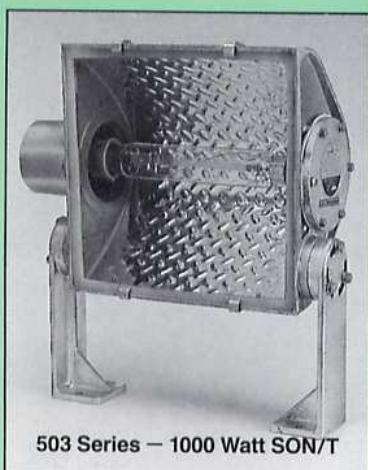
443-447 Hillington Road, Glasgow G52 4QW, Scotland, U.K.

Telephone: 041-882 5553 041-882 3318

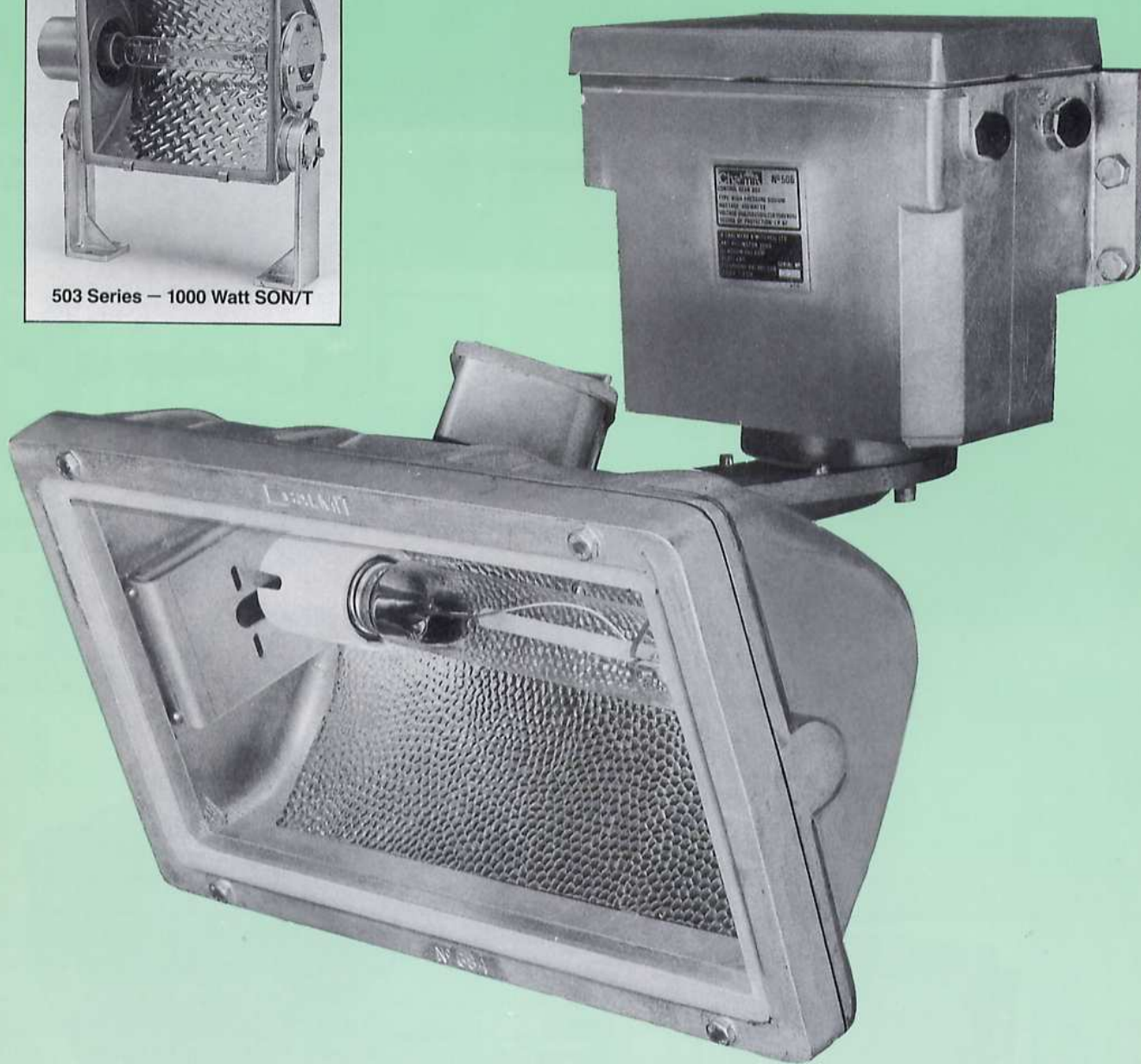
Telex: 779378 CHALMT G Fax: 041-883 3704

CHALMIT HEAVY DUTY FLOODLIGHTS—IP67

Ideal for Marine, Industrial or any other hostile environment where resistance to Damage, Corrosion and Ingress of moisture, dust, etc. is a requirement.



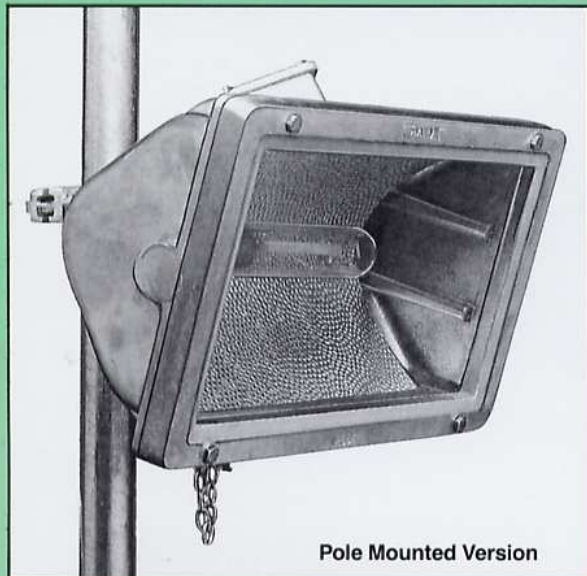
503 Series — 1000 Watt SON/T



600 Series — 400 Watt SON/T

THE CHALMIT

600 SERIES IP67



Pole Mounted Version

A range of floodlights manufactured to the highest possible standards. Constructed from corrosion-resistant Gravity Die Cast Aluminium Alloy LM6 with an unrivalled ingress protection of IP67, the floodlights offer a long maintenance-free life in hostile operating environments.

Supplied with integral or remote control gear, they are available with various mounting arrangements offering great flexibility in applications.

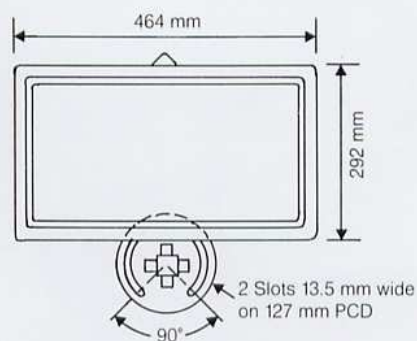


506 Control Gear Box

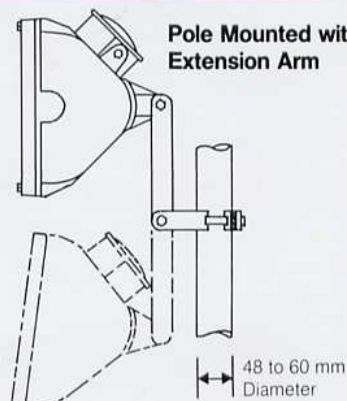
SPECIFICATION – FLOODLIGHT

ENCLOSURE	Corrosion Resistant Gravity Die Cast Aluminium Alloy LM6. Stainless Steel fasteners used throughout
GLASS	5 mm Thermal Shock resistant toughened glass sealed to frame by silicone based sealant
LAMPHOLDER	Porcelain GES
REFLECTOR	High Purity Aluminium – Plain or Patterned
RELAMPING	Via easily removable front cover. Anchor retaining chain fitted as standard
PROTECTION	IP67 Dust Tight, Water Tight
WINDAGE	0.135 m ²
INSTALLATION	Pole, Base or Wall Mounting (see Diagram Drawings below)
PHOTOMETRIC DATA	Available on request
APPROVALS	Complies with BS.4533: 102.5
CONTROL GEAR	Supplied in separate CHALMIT 506 Control Gear Box (see below). Bracketry available to join floodlight with control gear giving an Integral Unit. An integral ignitor can be fitted to the floodlight (HPS/MBI only) allowing control gear to be mounted at greater distances

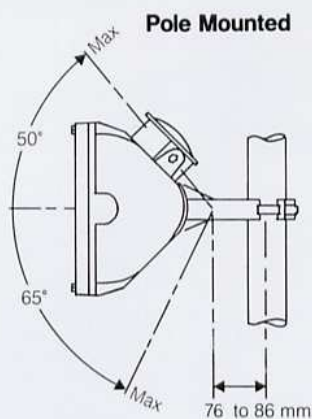
Base Mounted



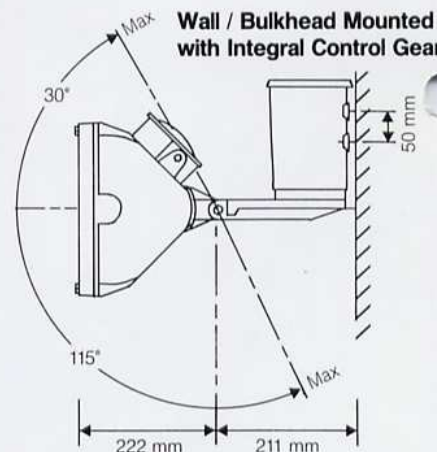
Pole Mounted with Extension Arm



Pole Mounted



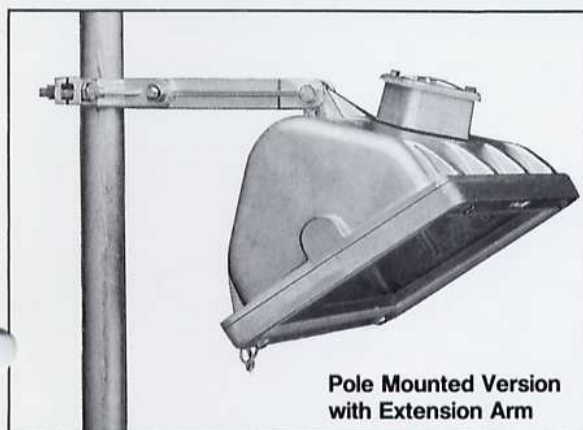
Wall / Bulkhead Mounted with Integral Control Gear



SPECIFICATION – CHALMIT 506 CONTROL GEAR BOX

ENCLOSURE	Corrosion-resistant Gravity Die Cast Aluminium Alloy LM6
ENTRY	3 × 20 mm Tapped Entries (1 plugged)
TERMINATION	Incoming Terminals suitable for up to 4 mm ² cable. Looping facilities available
FUSE	Fitted as standard
PROTECTION	IP67
INSTALLATION	Pole, Wall or Bulkhead mounting

LAMP	WATTS	VOLTS	LAMP LUMENS (2000 Hrs)	WEIGHT (inc. Control Gear)	TYPE NO.
SON/T	150	220/240 50Hz 240/260 60Hz	14350	18.2	684/150
SON/T	250	220/240 50Hz 240/260 60Hz	27000	18.2	684/250
SON/T	400	220/240 50Hz 240/260 60Hz	48000	18.2	684/400
SON/T	600	220/240 50Hz 240/260 60Hz	74000	21.2	684/600
SON	150	220/240 50Hz 240/260 60Hz	13850	18.2	686/150
SON	250	220/240 50Hz 240/260 60Hz	24800	18.2	686/250
SON	400	220/240 50Hz 240/260 60Hz	46500	18.2	686/400
MBFU	250	220/240 50Hz 240/260 60Hz	12000	17.7	686/250M
MBFU	400	220/240 50Hz 240/260 60Hz	20400	17.7	686/400M
MBIT	250	220/240 50Hz 240/260 60Hz	15500	18.2	684/250M
MBIT	400	220/240 50Hz 240/260 60Hz	20000	18.2	684/400M
T/HAL	300	110/125 AC/DC	6000	8.2	669/300
T/HAL	500	110/125 AC/DC 220/240 AC/DC	9500	8.2	669/500
T/HAL	1000	110/125 AC/DC 220/240 AC/DC	22000	8.2	669/1000



**Pole Mounted Version
with Extension Arm**



Base Mounted Version

NOTE: Lumens shown are for guidance only and may vary between lamp manufacturers.
110V available for Discharge lamps on request.

MOUNTING ARRANGEMENTS	ORDER REF.
Pole — Remote Gear	P
Base — Remote Gear	B
Wall/Bulkhead — Integral Gear	CB
Pole — Integral Gear	CP
Pole & Extension Arm — Remote Gear	EP
Base & Extension Arm — Remote Gear	EB
ORDERING: When ordering please specify Type No. and Mounting Arrangement. i.e. 250 watt SON/T Base Mounted — 684/250 B.	

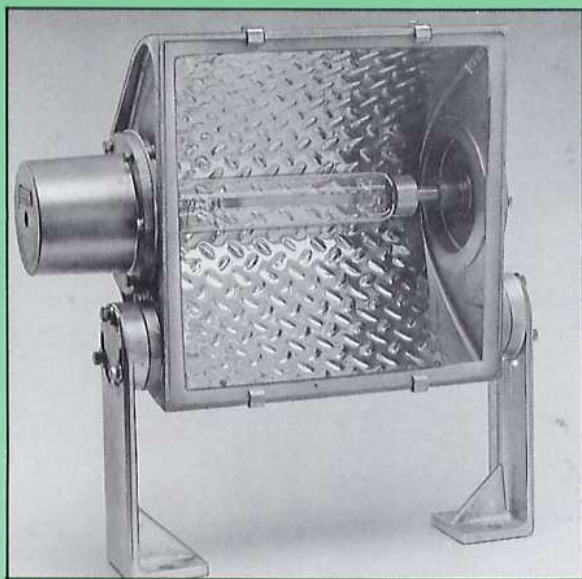
ACCESSORIES

- Extension Arm
- PTFE Protective Coating
- Wire Guard for added protection
- Integral Ignitor (HPS/MBI)
- Floor Stand for portable use
- Anti-Glare Shield
- Pole Mounting Bracket for CHALMIT 506
- Control Gear Box
- Looping Facilities

CHALMIT 503

HIGH INTENSITY FLOODLIGHT

IP67



Where very high levels of lighting together with resistance to corrosion and ingress of water, dust, dirt, etc., is a requirement, the CHALMIT 503 is ideal.

The floodlight of attractive appearance and minimum weight is manufactured from gravity die cast Aluminium Alloy LM6. This, combined with an ingress protection of IP67, makes the floodlight ideal for use in hostile environments such as Ships' Decks, Shipping Terminals, Marshalling Yards, Construction Sites, Sports Stadia etc.

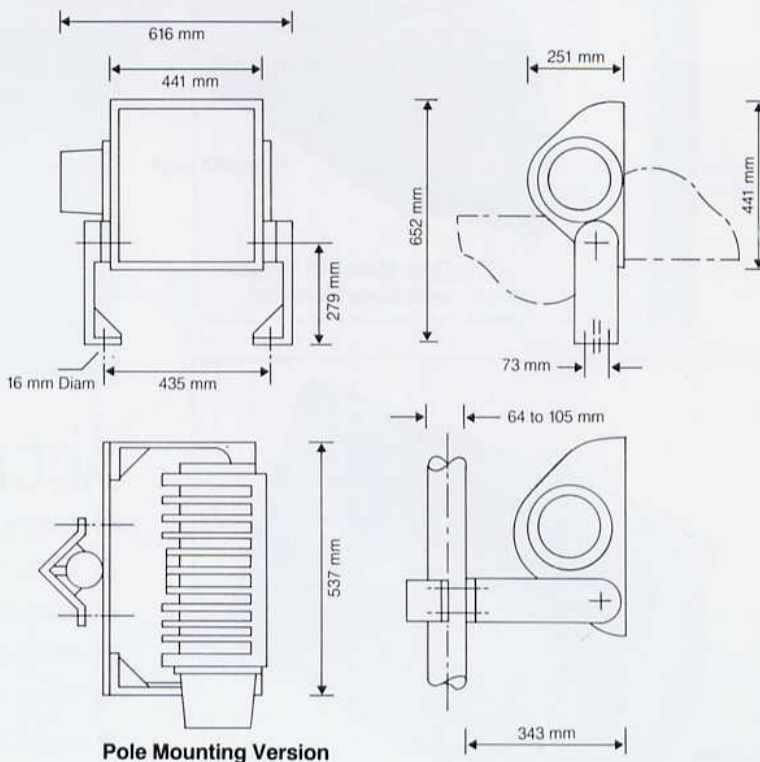
ACCESSORIES

- Protective PTFE Coating
- Integral Ignitor
- Swinging Jib Bracket
- Pole Mounting Bracket
- Anti-Glare Shield
- Wire Guard

SPECIFICATION	
ENCLOSURE	Corrosion Resistant Gravity Die Cast Aluminium Alloy LM6
GLASS	6 mm Thick Armour Glass Window
LAMPHOLDER	Porcelain GES
REFLECTOR	High Purity Anodised Aluminium — Wide, Medium or Narrow Beam
RELAMPING	Via easily removable End Cover
PROTECTION	IP67 — Dust Tight, Water Tight
WINDAGE	0.194 m ²
INSTALLATION	Foot mounting (pole mounting bracket available)
PHOTOMETRIC DATA	Available on request
APPROVALS	Complies with BS.4533:102.5
CONTROL GEAR	Supplied in separate CHALMIT Control Gear Box Floodlight can be supplied with Integral Ignitor
WEIGHT	25 kgs

LAMP	WATTS	VOLTAGE	LAMP LUMENS* (2000 Hrs)	FLOODLIGHT TYPE No.
SON/T	1000	210-250V 50Hz 220-270V 60Hz	129000	503/1000 I
MBFU	700	210-250V 50Hz 220-270V 60Hz	38100	503/700 I
MBIT	1000	220-250V 50Hz 240-270V 60Hz	85000	503/1000IM
MBIT	2000	220-240V 50Hz 240-270V 60Hz	161000	503/2000IM
MBIT	3500	380-440V 50Hz	300000	503/3500IM
T/HAL	2000	220-240V AC/DC	44000	503/2000 I

NOTE: Lumens shown are for guidance only and may vary between lamp manufacturers.



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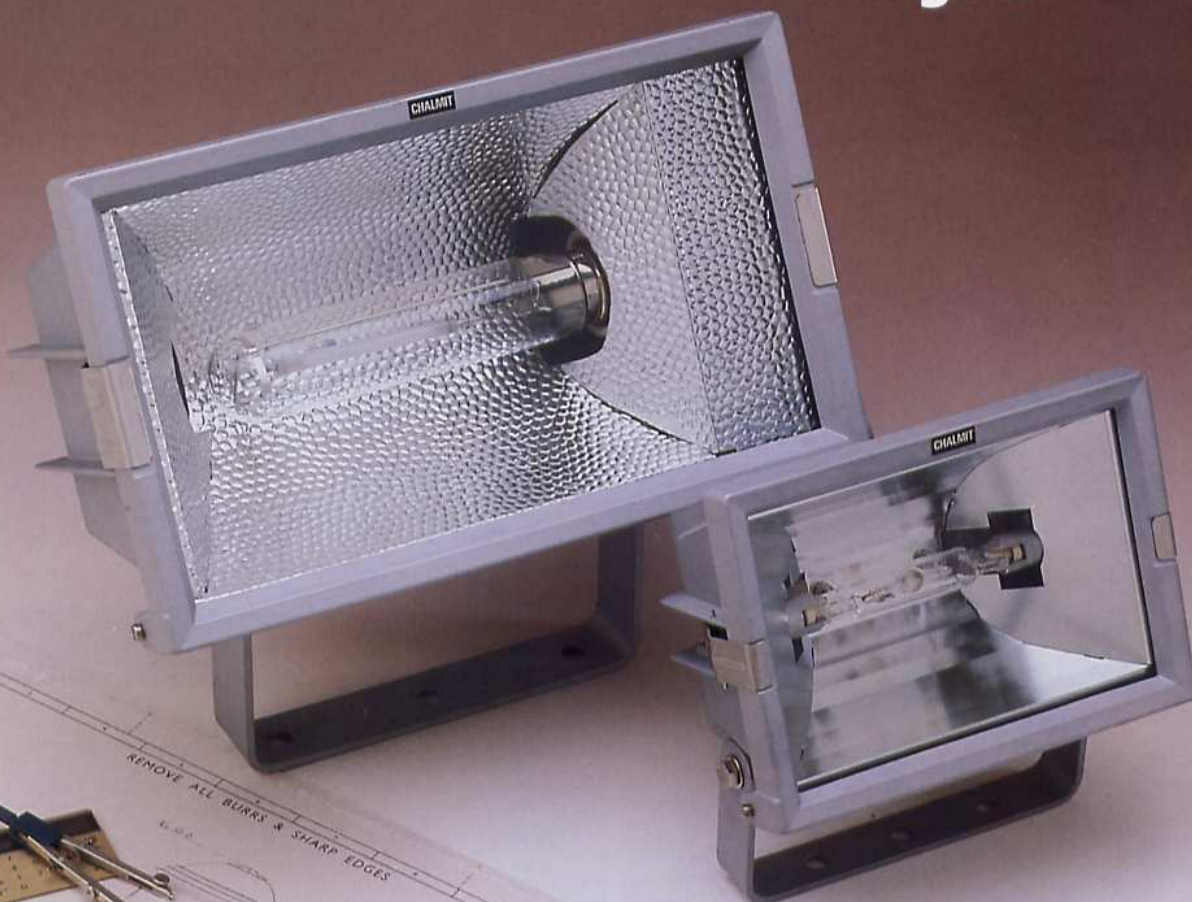
Telephone: 041-882 5553 041-882 3318

Telex: 779378 CHALMT G Fax: 041-883 3704

Chalmit

New **COMPACT** Range

**High Light Output
from Small Bodied Floodlights**



70-250w High Pressure Sodium
70-250w Metal Halide
80w MBFU

*See the light...
not the Source!*

COMPACT *Range*

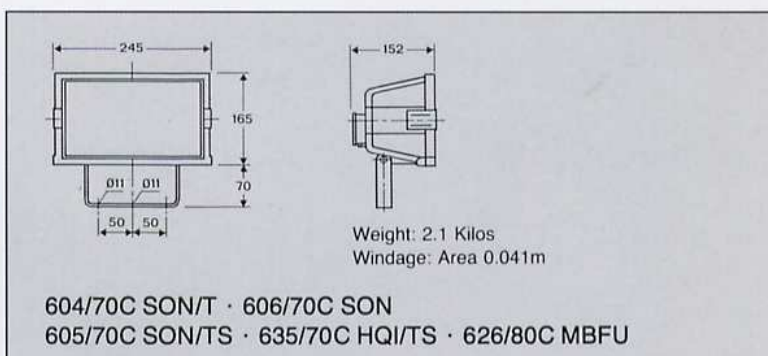
A range of small bodied floodlights of minimum weight and attractive appearance.

Designed to give high levels of illumination from a small compact source making them ideal for use where floodlight size must be kept to a minimum. For example; Architectural Floodlighting, Hotel/ Restaurant Facias, Sign Lighting etc.

Features

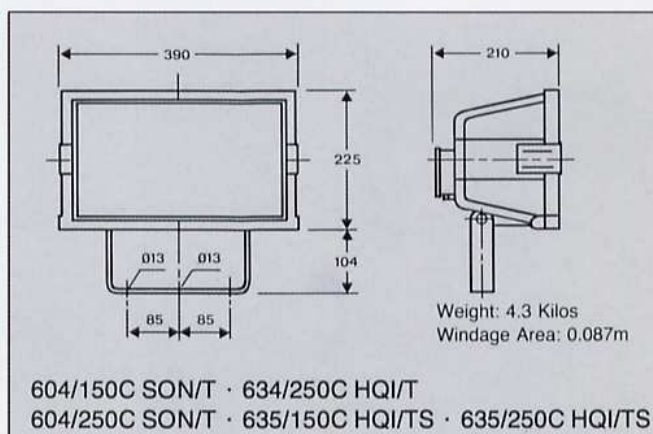
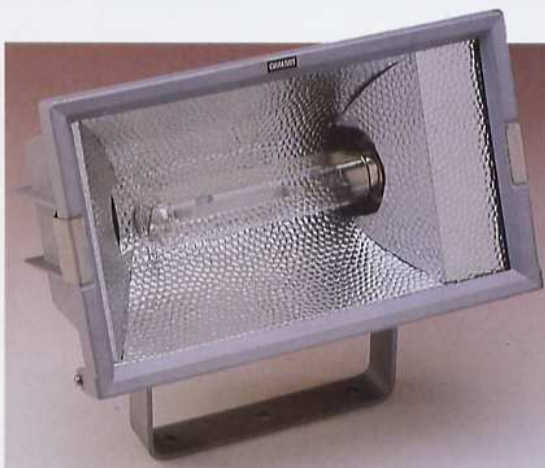
- Totally weatherproof to IP65
- Corrosion resistant aluminium alloy housing
- Finished in attractive grey enamel
- Simple relamping via hinged front cover
- High purity aluminium reflector
- Toughened safety glass
- Stirrup, pole or spigot mounted
- 150,250 watt flood available with integral or remote control gear.
- Large selection of lamp types

COMPACT 70, 80 WATT FLOOD



* This model supplied with remote control gear.

COMPACT 150, 250 WATT FLOOD



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