

The 503 is a high power floodlight for 600W high pressure sodium lamps and 1000W tungsten-halogen lamps, designed for use in high ambient conditions.

The protection is Ex nR, restricted breathing.

The control gear is in a separate box for cool running which should be ordered separately.

When required an ignitor is mounted on the floodlight so there is no practical limit to the distance from the control gear box. This unique luminaire enables very high wattage lamps to be used for Zone 2 applications. The floodlight is fully weatherproof to IP66/IP67 and is made from corrosion resistant aluminium with a toughened glass and silicone gasket and sealing.

The floodlight combines solid construction with very high light output in a housing of minimum weight and attractive appearance. Through advanced design and construction techniques the surface temperature remains relatively low even at maximum lamp wattage. The use of the 503 will give extremely high levels of illumination from a small number of luminaires which greatly reduces installation and maintenance costs.



Standard Specification

Features

Type of Protection	Ex nR (Restricted breathing)
Area Classification	Zone 2 areas to EN 60079-10 with installation to EN 60079-14
Apparatus Standard	EN 60079-15-2005
Coding	Ex nR II (refer to table for T class and ambient)
Enclosure	Marine grade aluminium alloy LM6 body with toughened glass window, silicone rubber gasket
Reflector	Wide beam high purity anodised aluminium
Entry	1 x M20 cable entry
Termination	3 core 4mm ² max. conductor
Installation	Foot mounted
Lamp Type	HPS or Tungsten-Halogen
Lampholder	E40
Control Gear	Refer to Universal gear-box
Relamping	Access via end cover secured by stainless steel screws
Burning Position	Universal
Ingress Protection	IP66/67 to EN 60529
Electrical Supply	Refer to Universal gear-box for 600W

Robust construction

Highly resistant to corrosion and mechanical damage

All stainless steel fasteners

Extremely efficient reflector system

Lamp support mechanism

High ambient applications



Optional PTFE Coating available

Std. Cat No.	Wattage	Lamp	T Class	Ambient °C	Weight
503N/600/HS/IG*	600W	HPS	T3	70	25.0kg
503N/1000/TH	1000W	Single Ended T/Halogen	T2	60	25.0kg

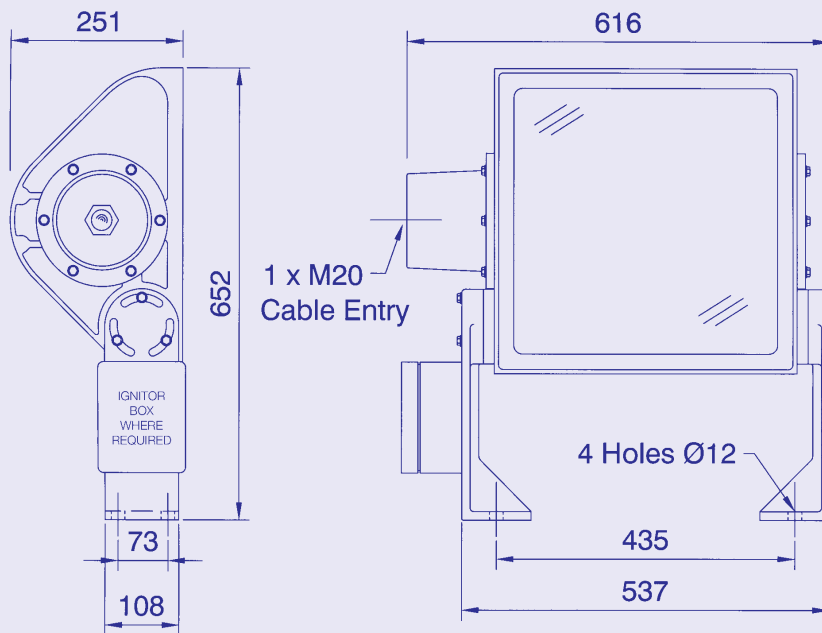
*Voltage should be matched to suitable external gear box. Chalmit Universal box

Options - Suffix to Catalogue No.

/P	PTFE coating
/N	Narrow beam reflector

Applications

Zone 2 hazardous areas
Offshore oil and gas platforms
Flare stacks
High mast floodlighting
Tank farms
Perimeter and security floodlighting



Accessories (Should be ordered separately)

Catalogue Order Code

Pole mounting bracket	S2000-0007
Swinging jib bracket	S2000-0019
Anti-glare shield	S5030-0007
Wire guard	S5030-0008

Product design and specifications are subject to change without notice, please check the Chalmit website for latest specifications.