

# 800 SERIES

## Ex n FLOODLIGHTS

The three asymmetrical floodlights in the 800 series range provide the best lighting solution where the objective is to ensure the least number of floodlights, with a low profile and light weight. The range is designed to withstand exposure to very hostile and corrosive environments.

The compact construction offers low wind resistance which is advantageous for high mast design and the many mounting options enables most floodlighting applications to be accommodated.

The 800 series provides asymmetrical light beam distribution enabling areas to be lit more effectively and efficiently.

The asymmetric reflector design enables the light beam to be thrown forward for long distance lighting and concurrently assuring that the lighting below the pole or mounting location is also effectively lit without having to tilt the floodlight at high aiming angles.

The typical tilting angle of the floodlight can therefore be kept at 0° or to a maximum tilt angle of 20°. This allows a higher Utilization Factor for the floodlighting scheme to be achieved with reduced glare and light pollution, when compared to a conventional symmetrical floodlight.



### Standard Specification

### Features

Type of Protection	Ex nR (Restricted Breathing)
ATEX Classification	Group II Category 3 G
Area Classification	Zone 2 areas to EN 60079-10 with installation to EN 60079-14
Apparatus Standard	EN 50021
Certificate	EC Type Examination Certificate BAS98ATEX3378
Coding	⊕ II 3 G EEx nR II (refer to table for T rating and Ambient)
Enclosure	Marine grade 316S31 stainless steel body with toughened glass window, silicone rubber gasket
Reflector	Wide beam High purity anodised aluminium
Entry	2 x M20 cable entries
Termination	3 core 6mm <sup>2</sup> max. conductor with looping
Installation	Stirrup mounting
Lamp Type	High Pressure Sodium, Metal Halide or Single Ended Tungsten Halogen
Lampholder	E40 or E27
Control Gear	Internal copper and iron ballast with ignitor and PFC correction capacitors
Relamping	Access via front glass cover assembly secured by quick release stainless steel clips
Burning Position	Control gear mounted below lamp
Ingress Protection	IP66/67 to EN 60529
Electrical Supply	220, 230, 240, 254V 50Hz

Lightweight

Marine grade 316S31 stainless steel body and toughened glass cover

Quick release fasteners for ease of relamping and maintenance

Suspended cover front

High efficiency asymmetric reflector

Suitable for low temperature applications (-40°)

CEPEL Approved

GOST Approved

#### Applications

Zone 2 hazardous areas

Harsh and corrosive environments

Offshore oil and gas platforms

FPSO's and FSO's vessels

Petrochemical industry • Tank farms

Security and perimeter lighting

Jetty lighting • Distilleries

# ATEX CATEGORY 3 ZONE 2 APPLICATIONS

Std. Cat No.	Wattage	Lamp	Lampholder	T Class	Ambient °C	Weight
<b>844N/070/HS</b>	70W	HPS	E27	150°C T3 T4	50 40	12.0kg
<b>854N/100/HS</b>	100W	HPS	E40	T4	55	18.0kg
<b>854N/150/HS</b>	150W	HPS	E40	T3 T4	55 50	18.0kg
<b>854N/250/MS</b>	250W	HPS/Metal Halide	E40	T4	40	19.0kg
<b>854N/400/MS*</b>	400W	HPS/Metal Halide	E40	T3	40	14.0kg
<b>854N/500/TH</b>	500W	Single Ended T/Halogen	E40	T3 T2	45 60	16.5kg
<b>864N/250/MS</b>	250W	HPS/Metal Halide	E40	T3	55	20.5kg
<b>864N/400/MS</b>	400W	HPS/Metal Halide	E40	T3	50 (HPS) 40 (MH)	21kg
<b>110/120V Cat Nos.</b>						
<b>864N/150/HS**</b>	150W	HPS	E40	E40	55	23.0kg
<b>864N/250/HS/120**</b>	250W	HPS	E40	E40	55	23.0kg
<b>864N/400/HS/120***</b>	400W	HPS	E40	E40	55	23.0kg

### Quad Tapped Ballast Nos.

<b>864N/150/HS/TAP/CSA</b>	150W	HPS	E40	E40	55	23.0kg
<b>864N/250/HS/TAP/CSA</b>	250W	HPS	E40	E40	55	23.0kg
<b>864N/400/HS/TAP/CSA</b>	400W	HPS	E40	E40	55	23.0kg

For Metal Halide replace /HS with /MH

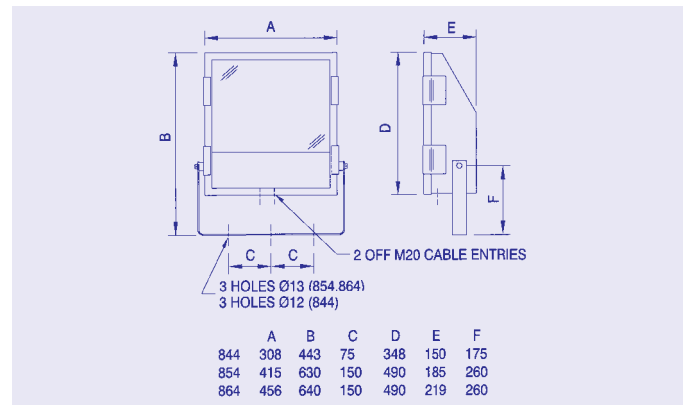
\* Ignitor only fitted. Remote gear box required (see Universal Box)

\*\* c/w IEC control gear 110/120V supply.

\*\*\* c/w remote gear box for 110/120V supply. (IEC control gear fitted)

### Options - Suffix to Catalogue No.

<b>/60</b>	60Hz
<b>/M25</b>	M25 Entries
<b>/N</b>	Narrow beam reflector
<b>/TI</b>	Timed cut out ignitor
<b>/WA</b>	Suitable for wire guard or anti-glare shield



### Accessories (Should be ordered separately)

### Catalogue Order Code

Wire guard - 844 (Luminaire requires "WA" suffix when ordering)	<b>S8444-0005</b>
Wire guard - 854 (Luminaire requires "WA" suffix when ordering)	<b>S8544-0004</b>
Wire guard - 864 (Luminaire requires "WA" suffix when ordering)	<b>S8644-0004</b>
Pole mounting bracket - 844	<b>S8444-0002</b>
Pole mounting bracket - 854/864	<b>S2400-0002</b>
Spigot mounting bracket - 854/864	<b>S2400-0007</b>
Anti-glare shield - 844 (Luminaire requires "WA" suffix when ordering)	<b>S8444-0001</b>
Anti-glare shield - 854 (Luminaire requires "WA" suffix when ordering)	<b>S8544-0002</b>
Anti-glare shield - 864 (Luminaire requires "WA" suffix when ordering)	<b>S8644-0002</b>

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



Electrical Products

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