

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 ² 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

CEPEL 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
844N/070/HS	70W	HPS	E27	150°C T3	50	12.0kg
				T4	40	
854N/100/HS	100W	HPS	E40	T4	55	18.0kg
854N/150/HS	150W	HPS	E40	T3	55	18.0kg
				T4	50	
854N/250/MS	250W	HPS/Metal Halide	E40	T4	40	19.0kg
854N/400/MS*	400W	HPS/Metal Halide	E40	T3	40	17.0kg
854N/500/TH	500W	Single Ended	E40	T3	45	16.5kg
		T/Halogen		T2	60	
864N/250/MS	250W	HPS/Metal Halide	E40	T3	55	20.5kg
864N/400/MS	400W	HPS/Metal Halide	E40	T3	50 (HPS)	21kg
					40 (MH)	

110/120V Cat Nos.

864N/150/HS**	150W	HPS	E40	E40	55	23.0kg
864N/250/HS/120**	250W	HPS	E40	E40	55	23.0kg
864N/400/HS/120***	400W	HPS	E40	E40	55	23.0kg

Quad Tapped Ballast Nos.

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

For Metal Halide replace /HS with /MH

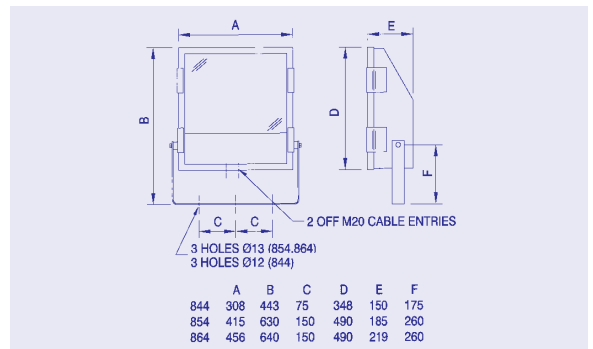
* Ignitor only fitted. Remote gear box required (see Universal Box)

** 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.

/60	60Hz
/M25	M25 Entries
/N	Narrow beam reflector
/T1	Timed cut out ignitor
/WA	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)	S8444-0005
Wire guard - 854 (Luminaire requires "WA" suffix when ordering)	S8544-0004
Wire guard - 864 (Luminaire requires "WA" suffix when ordering)	S8644-0004
Pole mounting bracket - 844	S8444-0002
Pole mounting bracket - 854/864	S2400-0002
Spigot mounting bracket - 854/864	S2400-0007
Anti-glare shield - 844 (Luminaire requires "WA" suffix when ordering)	S8444-0001
Anti-glare shield - 854 (Luminaire requires "WA" suffix when ordering)	S8544-0002
Anti-glare shield - 864 (Luminaire requires "WA" suffix when ordering)	S8644-0002

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



Electrical Products

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