

The FL range of Ex de IIB / IIB+H₂ of floodlights is manufactured in copper free aluminium and designed for halogen and discharge lamps up to 400/500W. The luminaire is available with offshore suitable RAL 6003 paint finish and internal anti-condensation coating. For ease of installation and maintenance the luminaire features an integral Ex e connection box and AISI304 stainless steel female threads for fastening bolts to minimize wear. The FL range luminaires are completed with lamp, ballast, HPF capacitor and igniter.

Specifications

Material	Copper-free aluminium (Cu<0.1%) Stainless steel AISI 316L
IP Rating	IP65-66
Temperature	-50°C to 55°C
Approvals	INERIS 00ATEX0023X GOST Certificate
- Atex - GOST	
Standards	EN/IEC: 60079-0, 60079-1, 60079-7 EN: 61241-0, 61241-1
Ex-code	Ⓔ II 2 GD Ex de IIB T3 Ex de IIB+H ₂ T3 (upon request) Ex tD A21 IP65 T200°C
	According to European Directive 94/9/EC (ATEX) For Zone 1/Zone 2, Zone 21/Zone 22
Gaskets	Nitrile rubber gasket on flat joint
Surface treatment	External polyurethane painting (RAL 6003)
Thread	No. 2 M25 entries: one plugged off and one completed with a single seal cable gland our type PNA 2, brass nichel plated.
Hardware and Screw	Captive stainless steel screws and stainless steel adjustable bracket
Lamps	Halogen and discharge lamps
Lamps Wattage	150, 250, 400, 500, 2x70
Ballast	Low losses integral ballast
Rated operation voltage (UE)	230 V
Frequency	50 Hz
Power factor	> 0.9
Lampholder	Ceramic lampholder E-40 with antiloosening terminals
Reflector	Internal reflector, symmetrical distribution with narrow beam pure polished aluminium, fixed to body by a safe wire even when removed during maintenance.
Accessories	Off -shore version with surface treatment for oil platforms and corrosive environments
Available upon request	External colour ON REQUEST choice between Ral classification Hammered reflector for wide beam Top-pole mounting kit (pole size 2") Voltages and frequencies ON REQUEST: - 240V 50 o 60 Hz - 254V 60 Hz - 120V 60 Hz - 127V 50 o 60 Hz - 208V 60 Hz Floodlight with wind-up stand Italgas specified cod. Aplog/log-gestilog: GAS-d3 Floodlight world wide Shell Oil specified M.e.s.c. no. 69.56.23.520.1 to 69.56.23.544.1 details with lamps in Shell standardization N.A.T.O. standarization floodlight specified for military purposes code NSN 5795-17-109-2235. Floodlight for lighting the escape platform/ship area "Life boat" FL-2x70-HA series with 2 halogen lamps 50 or 70W each with back refl ector for narrow beam , suitable for connection to emergency circuit powered by batteries always available on escape platform circuits. The narrow beam issued is lighting the sea surface below the safe boat to aid the life boat splash-down and as sign " life boat " for " man in water
Note	Hinged window on cover Connection to electric network via the backside through the Ex-e connection box with 4 terminals (4 sqmm.) bridged 2 by 2





Floodlight

CODE	TYPE	LAMPS TYPE	POWER [W]	VOLTAGE [V]	WEIGHT [kg]
A.0421.14	FL 15 SA	High Pressure Sodium	150	220/230 [50Hz]	24.7
A.0421.15	FL 25 SA	High Pressure Sodium	250	220/230 [50Hz]	25.8
A.0421.19	FL 40 SA	High Pressure Sodium	400	220/230 [50Hz]	27.0
A.0421.20	FL 25 IM	Metal Halide	250	220/230 [50Hz]	25.8
A.0421.25	FL 40 IM	Metal Halide	400	220/230 [50Hz]	24.8
A.0421.30	FL 25 HG	Mercury Vapours	250	220/230 [50Hz]	25.7
A.0421.35	FL 40 HG	Mercury Vapours	400	220/230 [50Hz]	22.9
A.0421.40	FL 50 HA	Halogen	500	220	21.0
A.0421.45	FL 14 HA	Halogen	2x70	48	22.0

FL...316 Floodlight

TYPE	LAMPS TYPE	POWER [W]	VOLTAGE [V]	WEIGHT Package [kg]
FL 15 SA / 316	High Pressure Sodium	150	220/230 [50Hz]	50.2
FL 25 SA / 316	High Pressure Sodium	250	220/230 [50Hz]	51.3
FL 40 SA / 316	High Pressure Sodium	400	220/230 [50Hz]	52.5
FL 25 IM / 316	Metal Halide	250	220/230 [50Hz]	51.3
FL 40 IM / 316	Metal Halide	400	220/230 [50Hz]	50.3
FL 25 HG / 316	Mercury Vapours	250	220/230 [50Hz]	51.2
FL 40 HG / 316	Mercury Vapours	400	220/230 [50Hz]	47.5
FL 50 HA / 316	Halogen	500	220	
FL 14 SA / 316	Halogen	2x70	48	

FL/AISI 316 Series...

With the intent to answer to the off-shore market need of a totally corrosion proof apparatus able to withstand the combined action of salty marine and hydrocarbons environments, has been studied and developed the FL/AISI 316 Series. The high cost of ordinary and extraordinary maintenance on oil platforms fully justifies the replacement of Aluminum light alloy with Stainless steel 316.

The exclusive foundry know-how allowed Italsmea to cast and to machine units Aisi 316 made with L title and with same shape and thickness of Aluminum version also reducing to the lowest possible the weight.

