


Copper free Aluminium floodlight for halogen and discharge lamps, external painting RAL 6003 and internal anticondensation paint.  
FL...Series Floodlight are completed with lamp, ballast, HPF capacitor and ignitor.

### Specifications

<b>Material</b>	Copper-free aluminium (Cu<0,1%) Stainless Steel AISI 316 L
<b>IP Rating</b>	IP65
<b>Temperature</b>	-50°C to 55°C
<b>Certification &amp; Approvals</b>	EC-Type Examination Certificate INERIS 00ATEX0023X GOST Certificate POCC IT.ГБ04.В00501
<b>Standards</b>	EN 60079-0 / 60079-1 / 60079-7 / 61241-0 / 61241-1 IEC 60079-0 / 60079-1 / 60079-7 / 61241-0 / 61241-1
<b>Ex-code</b>	 II2 GD Ex de IIB T3 Ex de IIB+H <sub>2</sub> 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
<b>Gaskets</b>	Nitrile rubber gasket on flat joint
<b>Surface treatment</b>	External Painting: polyuretane RAL 6003 Internal anticondensation paint
<b>Thread</b>	No. 2 M25 entries: one plugged off and one completed with a single seal cable gland our type PNA 2, brass nichel plated.
<b>Hardware and Screw</b>	Captive stainless steel screws and stainless steel adjustable bracket
<b>Lamps</b>	Halogen and discharge lamps
<b>Lamps Wattage</b>	150, 250, 400, 500, 2x70
<b>Ballast</b>	Low losses integral ballast
<b>Rated operation voltage (UE)</b>	230 V
<b>Frequency</b>	50 Hz
<b>Power factor</b>	> 0,9
<b>Lampholder</b>	Ceramic lampholder E-40 with antiloosening terminals
<b>Reflector</b>	Internal reflector, symmetrical distribution with narrow beam pure polished aluminium, fixed to body by a safe wire even when removed during maintenance.
<b>Accessories</b>	Off -shore version with surface treatment for oil platforms and corrosive environments
<b>Available upon request</b>	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
<b>Note</b>	<b>Hinged window on cover</b> <b>Connection to electric network via the backside through the Ex-e connection box with 4 terminals (4 sqmm.) bridged 2 by 2</b>





## Floodlight

CODE	TYPE	LAMPS TYPE	POWER [W]	VOLTAGE [V]	WEIGHT [kg]
418.14	FL 15 SA	High Pressure Sodium	150	220/230 [50Hz]	24,7
418.15	FL 25 SA	High Pressure Sodium	250	220/230 [50Hz]	25,8
418.19	FL 40 SA	High Pressure Sodium	400	220/230 [50Hz]	27,0
418.20	FL 25 IM	Metal Halide	250	220/230 [50Hz]	25,8
418.25	FL 40 IM	Metal Halide	400	220/230 [50Hz]	24,8
418.30	FL 25 HG	Mercury Vapours	250	220/230 [50Hz]	25,7
418.35	FL 40 HG	Mercury Vapours	400	220/230 [50Hz]	22,9
418.40	FL 50 HA	Halogen	500	220	21,0
418.45	FL 14 HA	Halogen	2x70	48	22,0

## FL...316 Floodlight

CODE	TYPE	LAMPS TYPE	POWER [W]	SHAPE	Wght. [kg]	WEIGHT Package [kg]	O.D. Packing [mm]
418.14	FL 15 SA	S.A.P.	150	TUBOLAR	48,2	50,2	560x360x320
418.15	FL 25 SA	S.A.P.	250	TUBOLAR	49,3	51,3	560x360x320
418.19	FL 40 SA	S.A.P.	400	TUBOLAR	50,5	52,5	560x360x320
418.20	FL 25 IM	I.M.	250	TUBOLAR	49,3	51,3	560x360x320
418.25	FL 40 IM	I.M.	400	TUBOLAR	48,3	50,3	560x360x320
418.30	FL 25 HG	V.M.	250	ELLIPS-OIDAL	49,2	51,2	560x360x320
418.35	FL 40 HG	V.M.	400	TUBOLAR	45,5	47,5	560x360x320
418.40	FL 50 HA	A.L.	500	T.D.E.			560x360x320
418.45	FL 14 HA	2 A.L.	2x70	QUARTS UV FILTER			560x360x320

## 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.

