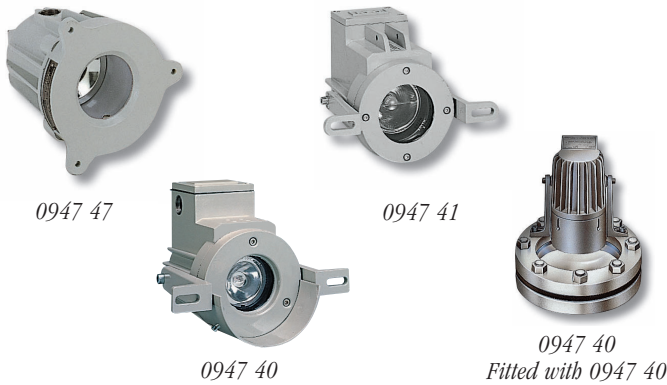


Tank inspection vessel lights, armoured and non-armoured cable flameproof



Incandescent and halogen

- Grey painted marine grade aluminium alloy body and bezel
- Internal aluminium reflector
- Toughened sealed lamp glass
- Operates in any position

For 100 W max. incandescent bulb

- One M20 threaded cable entry, cable gland not supplied
- E27 lampholder with 1 x 2.5 mm² terminals
- Internal earth : 1 x 2.5 mm²
- External earth : 2.5 mm²
- Fixed using 3 integral brackets
- High temperature cable (+ 107°C) to be used, or an indirect cable entry Cat. No. 0957 98

Permissible lamps (not supplied)	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
100 W incandescent or 50 W halogen (integrated reflector)	2.9	8.1	0947 47	1

For 20 W and 50 W halogen bulbs

- Power supply : 230 V (+6% / -10%)
- Beam opening angle : 10°
- With incorporated transformer 230/12 V - 50/60 Hz for 12 V halogen lamp
- One threaded cable entry for M20 cable gland (via increased safety "e" compartment). Cable gland not supplied
- G4 lampholder for 20 W, BA 15d for 50 W
- Spigot joint
- Supplied with a set of rocker hinges for mounting on DN 50 to DN 150 bulkhead lamps (according to DIN 28 120)
- Connection via 2.5 mm² terminals
- Internal earth : 1 x 2.5 mm²
- External earth : 4 mm²

Permissible lamps (supplied)	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
20 W halogen	2.3	3	0947 40	1
50 W halogen	4	3.6	0947 41	1

Accessories

	Cat. No.	Pack
EEx d IIB aluminium indirect cable entry with high temperature cable 3 x 1.5 mm ² for connecting a standard cable to luminaire Cat. No. 0947 47	0957 98	1

Cable glands (see pages 252-263)

Zone 1 & 2 - 21 & 22	ATEX	IEC	EC	II 2 G/D	IK08
EEx d IIB or de IIC	T3 or T4	T = 116°C to 200°C		IP66	

TECHNICAL DATA

Zones : 1 and 2 and 21 - 22

Classification :

• According to CENELEC

- Conforming to ATEX 94/9 EC Directive and standards EN 50014-18-19
- EC 0081 II 2 G for gas
- EC 0081 II 2 D T = (*) for dust

• According to IEC

- Conforming to standards IEC 60079-0/1/7 - DIPA 21 Ta = (*) for dust

Cat. Nos.		CENELEC	IEC
0947 47(1)	40 W max. with or without reflector 60 W max. without reflector	EEx d IIB - T*	Ex d IIB - T*
	100 W max., 60 W with reflector 50 W halogen with reflector	EEx d IIB - T*	Ex d IIB - T*
0947 40		EEx de IIC - T*	
0947 41		EEx de IIC - T*	

(1) With high temperature cable (+107°C) or indirect cable entry

Cat. Nos.	Power and source	Dust surface temp. Ta = +40°C	Temperature classes for Ta = +40°C		Opening time
			Cable temp.	Temp. class	
0947 47	50 W halogen	+149°C	+82°C	T3	2 min
	40 W incandescent	+130°C	/	T4	/
	60 W incandescent + reflector	+137°C	+87°C	T3	/
	100 W incandescent	+195°C	+107°C	T3	/
0947 40	20 W halogen	+116°C	/	T4	15 min
0947 41	50 W halogen	+200°C	/	T3	2 min 30 sec

Approvals :

Cat. Nos.	Type	CENELEC	IEC	CE declaration of conformity
0947 47	HRCd	02 ATEX 6232	Ex 02.028	50241
0947 40	HRC 20WH	03 ATEX 6110	/	50260
0947 41	HRC 50	03 ATEX 6109	/	50661

Conforming to standards EN 50241-1-1 and IEC 6121-1-1
"combustible dust"

Protection index :

- IP66 according to EN 60529 and IEC 60529
- Mechanical resistance IK 08 according to EN 50102

Anticorrosion treatment and climate protection : see page G50

Operating temperature :

- 0947 47 : - 40°C to + 40°C
- 0947 40/41 : - 20°C to + 40°C