

Zone 1 & 2 - 21 & 2		ATEX	IEC	EC	II2 G/D
EEx d IIC	T6	T = 85°C	IP 68 (10m)	IK 09	

## 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
  - EC 0081 II 2 G for gas EEx d II C T6
  - EC 0081 II 2 D T = + 85°C for dust
- **According to IEC :**
  - Ex d II C T6
  - Conforming to IEC standards 60079-0/1
  - DIPA 21 - TA = + 85°C for dust

**Approvals :**

- Approved type FLd
- CENELEC LCIE 97 ATEX 6012
- IEC LCIE Ex 03.012
- **CE** declaration of conformity No. 50203
- Conforming to standards EN 60.598-1 and IEC 60.598-1 for luminaires
- Conforming to standards EN 50281-1-1 and IEC 61241-1-1 "combustible dust"
- Conforming to standard NF C 71-801
- Granted the NF AEAS quality mark
- Conforming to standards EN 55015 and EN 61547 concerning electromagnetic compatibility (EMC)

**Protection index :**

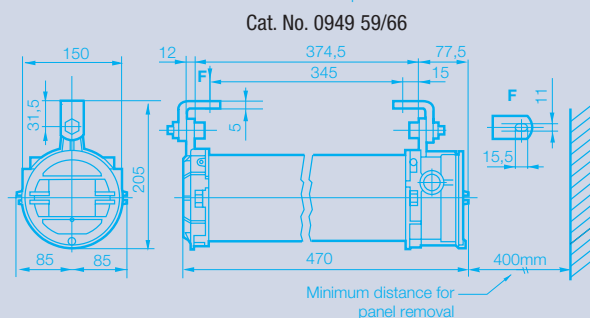
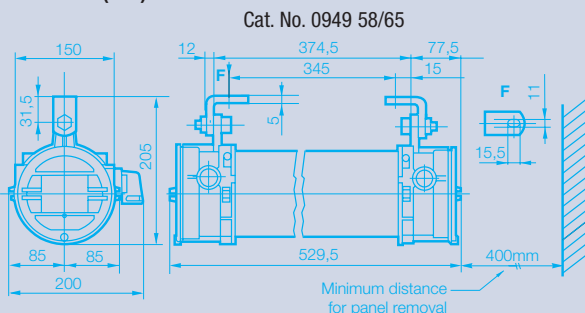
- IP 66/67 according to IEC 60.529 and EN 60.529
- Impact resistance IK 09 according to EN 50102

**Anticorrosion treatment and climate protection :** see page G50

**Operating temperature :**

- 20°C to + 55°C, optimum operating range for the batteries - 5 to + 30°C

**Dimensions (mm) :**



### Product features/customer benefits

- Flameproof battery with switch : **easy maintenance in zone**
- Threaded access cover with O ring seal : **improved ingress protection**
- Version with external padlockable switch : **easy maintenance**

Data sheet available on request

## 2 advantages of automatic built in test system

### 1- Maintenance in hazardous areas

S.A.T.I. units can be maintained in the hazardous zone as they incorporate a switch which operates automatically when the cover is unscrewed and opened. This switch cuts off the battery power supply, thus preventing any electrical sparks.

Some models have a padlockable switch which cuts off the external electricity supply and the remote control circuit.

### 2- Self-test

Using a microprocessor and an internal clock, the unit will carry out automatic tests:

- Every 7 days : lamp test for 6 seconds.
- Every 70 days : lamp and battery test for 1 hour.
- Within each quarter, the unit chooses a week to carry out an emergency duration test in addition to the lamp test.

