



	Scope : USER MANUAL TB-FL-RVDL floodlight/high bay luminaire Zone 1 2018-01				Date : 10/07/2019
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Marking:

		Veersteeg 15 4212 LR Spijk (NL)	CE 0344 IP66
TB-FL-RVDL			
S.No.			
INERIS 17ATEX 0047X 		U _N = 110-254 VAC 50/60 HZ	T amb. -40 °C / +50 °C
IECEX INE 17.0040X 		P _{max} = 118 W	
Year of construction:			

Warnings:
<ul style="list-style-type: none"> • DO NOT OPEN THE ENCLOSURE • READ INSTRUCTIONS BEFORE INSTALLATION AND USING

1. Installation

Check that the luminaire is installed in an area with an ambient temperature within the temperatures that are mentioned on the label.

Also verify the following:

1. Equipment is appropriate to the EPL/Zone requirements of the location
2. Equipment group is correct
3. Equipment temperature class is correct (only for gas T3)
4. Degree of protection (IP grade) of equipment is appropriate for the level of protection/group/conductivity. The TB-FL-RVDL luminaire is IP 66.
5. Equipment circuit identification is available and correct
6. Enclosure and glass parts are undamaged
7. There is no evidence of unauthorized modifications
8. **The stainless steel cover plate may NOT be removed**

When installing the TB-FL-RVDL luminaire range, the correct current limitation is to be considered.

To define the quantity of luminaires per circuit, the table below can be considered.

Circuit breaker type	TB-FL-RVDL
16A C	18 luminaires

When earth leakage protection is installed, it should be version **30mA**.

Prospective short circuit = **1,5kA**

For compartment control box:

Maximum supply voltage: 254Vac

Maximum dissipated power: 19 W

2. Connections :

Use the external earth bold, M6 to grant structure earth connection

Make sure at installation:

- A. that the cable pre-installed at the luminaire is prevented from exposure to mechanical damage or chemical influences, to the effect of heat and to the effects of UV radiation where exposure of this nature is unavoidable.
- B. That there is NO looping-in* the junction box of the TB-FL-RVDL.

Wiring:

1. Make sure to connect the cable according the demands of EN 60079-14 and/or other applicable Ex installation standards
2. Connect the wires of the cable:
 - Color Brown = L
 - Color Blue = N
 - Yellow green = GND
3. If you use the dali system, connect the colors grey and black to the dali system

After making all connections, the following checks shall be carried out:

1. There is no visible damage to cables
2. Electrical connections are tight
3. Earthing connections, including any supplementary earthing bonding connections are tight and conductors are of sufficient cross-section
4. Fault loop impedance (TN systems) or earthing resistance (IT systems) is satisfactory
5. Automatic electrical protective devices such as MCB/MCCB are set correctly (auto-reset not possible)
6. Automatic electrical protective devices operate within permitted limits.
7. Equipment is adequately protected against corrosion, weather, vibration and other adverse factors.
8. No undue accumulation of dust and dirt on the luminaire
9. Electrical insulation is clean and dry

3. Insulation resistance test:

In case of insulation resistance test, this can be done with test(example: Megger®) at 500VDC between line and earth or neutral and earth.

Never between line and neutral !!!!!!!!!!!

4. Start up:

As soon as the power is switched on, the LEDs will ignite within seconds, the time can be influenced by the ambient temperature. **Never switch on the luminaire before installation is completed and insulation test performed.**


During production, the luminaire has had a dielectric test of 1850V.

5. Dismantling

When removing the luminaire, the same precautions apply as those observed when installing the luminaire.

6. Use:

The use of the luminaire does not require specific conditions for use other than mentioned in this manual.

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7. Inspection and Maintenance:

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. The luminaire cannot be opened for re-lamping etc. Maintenance as described in the standard EN/IEC 60079-17, is applicable (see EN/IEC 60079-17):

Equipment is appropriate to the EPL/Zone requirements of the location

1. Equipment circuit identification is available
2. Enclosure and glass parts are undamaged
3. There is no evidence of unauthorized modifications
4. There is no visible damage to cables
5. Earthing connections, including any supplementary earthing bonding connections are tight and conductors are of sufficient cross-section
6. Equipment is adequately protected against corrosion, weather, vibration and other adverse factors, No undue accumulation of dust and dirt
7. **The stainless steel cover plate may NOT be removed**

8. Standards IEC according certificate

- IEC 60079-0 : 2011 - IEC 60079-1 :2014

Standards EN according certificate

- EN 60079-0 : 2012/A11:2013 - EN 60079-1 :2014

9. Mounting of the luminaire:

- Remove the luminaire from the carton packing.
- Check if the luminaire is mechanically damaged.
- Install the luminaire to the construction