

PRODUCT DESCRIPTION

Lightplates are indirect light fixtures with fluorescent lamps of the T5 HE (16mm) type. The fixtures are fitted with an electronic starter with or without dimmer facility. The dimmer version can be operated with a button and no extra dimmer is needed.

SPECIFIC ADVANTAGES

The electronic starter combined with T5 lamps offers the following advantages:

- High performance for an installed power capacity (up to 100 lm/W).
- Minimum insertion dimensions due to compact size.
- Life span exceeds 20.000 hours.
- 35 % lower energy consumption and 45 % lower maintenance costs compared to T8 systems.
- Highest lighting quality without any occurrence of 'black-spots' throughout the installed length of lighting fixtures.
- User-friendly and safe installation by means of precabled plug-in connectors.

When connecting the light fixtures, follow the cable colours:

cable	code	colour
Neutral conductor	N	blue
Phase	L	red or brown or black
Earth conductor	⊕	yellow-green
Dim signal	D1, D2	white

Lamp types according to the following table:

armature type	description	lamps	lamp type	lamp socket	length	power	quantity
IL 550 S	one lamp standard	T5 HE	G5	550mm	14 W	1	
IL 550 D	one lamp + dimmer	T5 HE	G5	550mm	14 W	1	
IL 2230 S	two lamps standard	T5 HE	G5	1150mm	28 W	2	
IL 2230 D	two lamps + dimmer	T5 HE	G5	1150mm	28 W	2	

SECURITY INSTRUCTIONS



The manufacturer advises proper fitting of the lighting fixture armature. You are therefore kindly requested to follow the instructions below and to keep them. Before installing, maintaining or repairing, first switch off the electricity supply. If in any doubt, please call a professional electrician and abide by the local installation rules. Clean the light fixtures with a dry cloth or brush. Never use any abrasive material or any fluid.

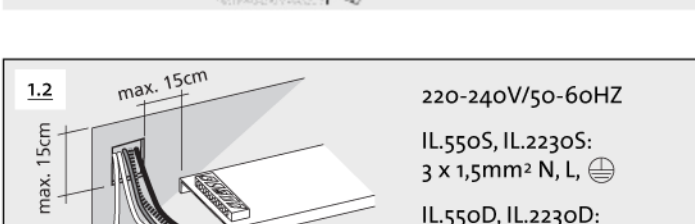
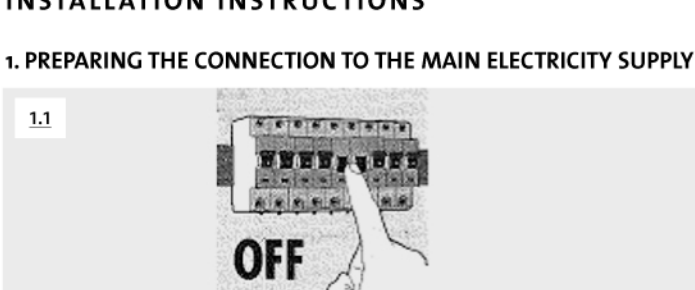
The maximum length you can install is determined by the authorized power capacity of the lighting circuit. With the dimmer version, a maximum of 25 elements can be placed in sequence. The installed power capacity features 27 W/m.

The following light shades are available:

shade	code
Daylight	865
Cool white	840
White	835
Warm white	830

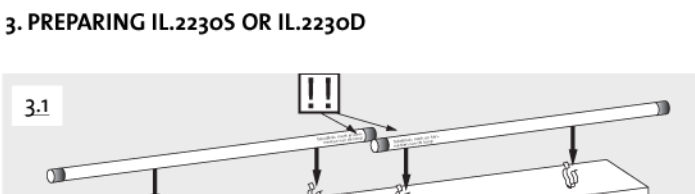
INSTALLATION INSTRUCTIONS

1. PREPARING THE CONNECTION TO THE MAIN ELECTRICITY SUPPLY

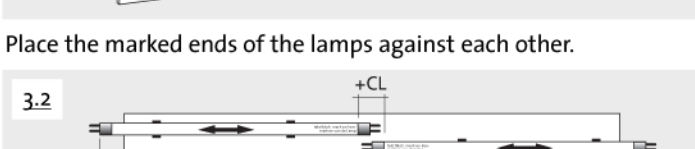


The lightplate is best connected at the end of the total length of the lighting fixtures installation.

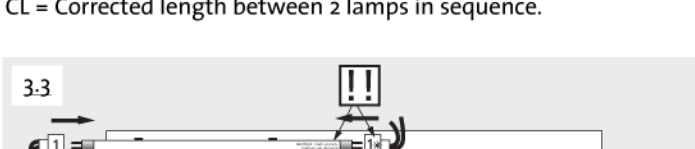
3. PREPARING IL.2230S OR IL.2230D



Place the marked ends of the lamps against each other.

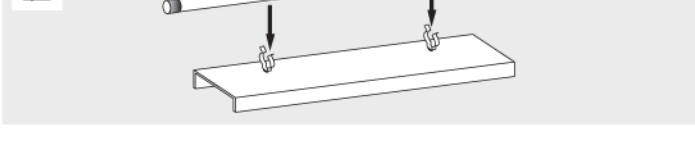


Make sure you have the same distance on the left and the right hand sides between the plate and the tube extremity. CL = Corrected length between 2 lamps in sequence.

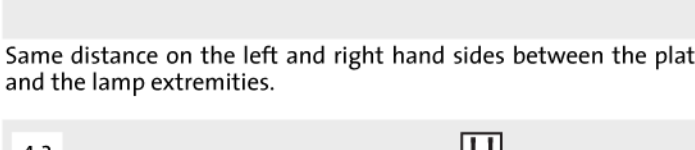


- Assemble lamp fitting on lamp extremity:
- Lamp fitting with the same number (1 of 2) onto the same lamp number.
- Lamp fitting with X symbol on the marked extremity of the lamp.

4. PREPARING IL.550S OR IL.550D



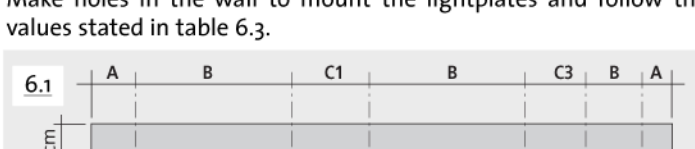
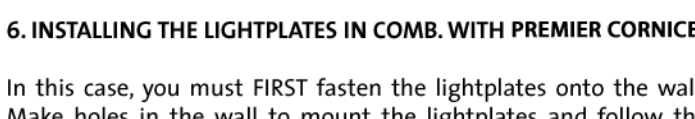
Same distance on the left and right hand sides between the plate and the lamp extremities.



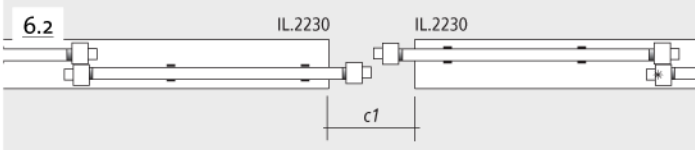
Assemble lamp fitting onto lamp extremities. Lamp fitting with X symbol with the marked lamp extremity.

6. INSTALLING THE LIGHTPLATES IN COMB. WITH PREMIER CORNICE

In this case, you must FIRST fasten the lightplates onto the wall! Make holes in the wall to mount the lightplates and follow the values stated in table 6.3.



6.3	IL.550 S/D	IL.2230 S/D
A	197 mm	55 mm
a	179 mm	150 mm
B	246 mm	1200 mm
b	476 mm	2000 mm
C1	IL2230 <-> IL2230	1030 + CL mm
c1		230 + CL mm
C2	IL550 <-> IL550	110 + CL mm
c2		74 + CL mm
C3	IL2230 <-> IL550	570 + CL mm
c3		152 + CL mm



Fasten lightplates into the bored holes. Install all the other lightplates according to table 6.3.

2. NUMBER OF LIGHTPLATES THAT NEED TO BE CONNECTED

The number of lightplates is determined by the length of the lighting surface. The length is measured starting out from a given corner:

- inside corner: total length - X (X = 40mm)
- outside corner: total length + X (C351 & C352: X = 60mm) (C900 & C901: X = 35mm)

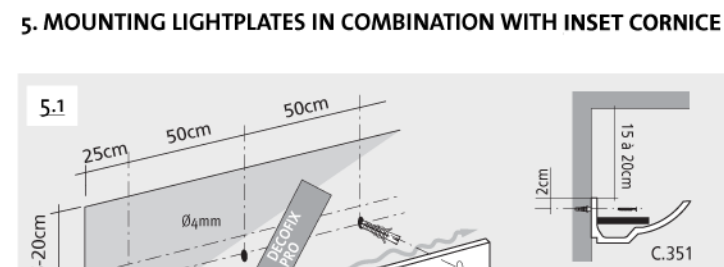
Once you have the corrected installation length, you can figure out the number of lightplates and which types you need from the chart on pages 18-19.



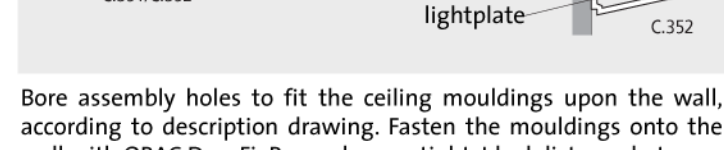
CL = corrected space between 2 lamps in sequence. max. ± 7cm. CL+ = opening. CL- = overlapping.

Please note that for IL.550D and IL.2230D (dimmbable versions): no more than 25 lightplates can be connected to the same power supply and be controlled by a momentary switch. If you need to install more than 25 lightplates, an extra connection point will have to be foreseen.

5. MOUNTING LIGHTPLATES IN COMBINATION WITH INSET CORNICE



Bore assembly holes to fit the ceiling mouldings upon the wall, according to description drawing. Fasten the mouldings onto the wall with ORAC DecoFixPro and screw tight. Ideal distance between top of the moulding and ceiling is 15 cm.



The lightplates can then be fitted inside the mouldings. Mount the first lightplate close to the power supply connecting point.



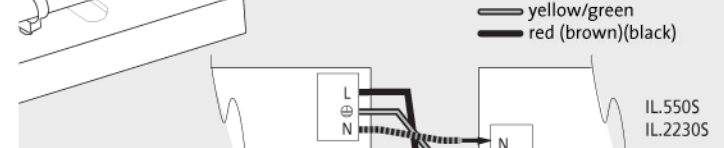
Then mount all the other lightplates according to table 6.3 page 4.

Connect the lightplates with the provided electrical wiring. Repeat the previous steps until the last lightplate is mounted (fig. 6.5).

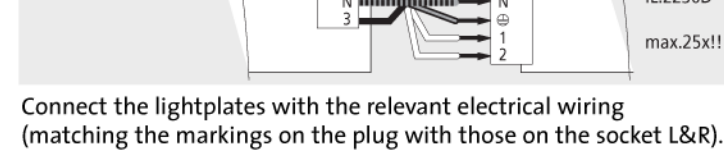
Install the last lightplate and connect it with the electrical wiring. Cut off any excess wiring from the extremities (fig. 6.6).



Connect the lightplates with the relevant electrical wiring (matching the markings on the plug with those on the socket L&R). Repeat the previous steps until the last lightplate is installed.



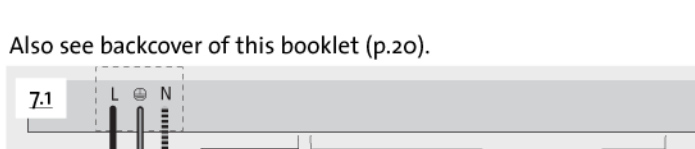
Install the last lightplate and connect it with the electrical wiring. Cut off any excess wiring from the extremities.



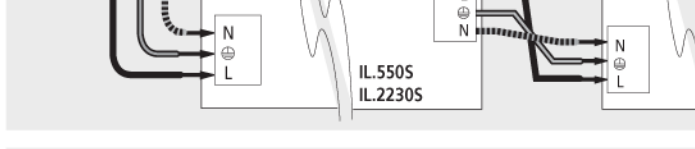
The cornices for indirect lighting (C.900 and C.901) are then glued to the wall with ORAC DecoFixPro (follow the general instructions for rigid mouldings). No need for any additional mechanical fastenings.

7. CONNECTION TO THE MAIN ELECTRICITY SUPPLY

Also see backcover of this booklet (p.20).



8. TEST



Every lightplate has been duly tested by the manufacturer to check its proper functioning. Switch the main electricity supply back on.

8.21

IL 550S, IL2230S: Switch on/off by using the light switch (see page 20).

8.22

IL550D, IL2230D: see page 20:

- Press the momentary switch + hold for 10 sec. = synchronisation of light intensity.
- Press the momentary switch -> OFF
- Press the momentary switch -> ON
- Press the momentary switch + hold = dimming light intensity 3% > 100%.

9. MAXIMUM LIFE SPAN

The lamps will reach their maximum life span if beforehand, they burn at 100% of their intensity for 100 hours.

In the case of dimmer lights, the lowest level should be kept at 10% (minimum level when lighting up is 3%).

10. PLACING A LIGHTPLATE VERTICALLY

To ensure optimum performance and lifespan, it is recommended to keep the printed part of the tube underneath.

Therefore, types IL.2230S and IL.2230D need to be modified. Only a professional electrician can perform the necessary changes by following the chart on the starter.

11. REPAIRS

If one or more lightplates is not working, you must call a professional electrician in.

12. GUARANTEE

Indirect Lighting should be placed by a professional electrician. The seller shall not be held liable for damages assessed after acceptance of the goods, except if the buyer establishes proof that the damage is due to a defect in the raw materials or to faulty workmanship.

In any case, the liability of the seller is limited to a period of one (1) year and, according to the seller's choice, to the replacement of the goods or a refund of the money paid for the concerned goods. In no event shall the seller be required to compensate any additional damage due to improper use, bad installation, improper maintenance or negligence by the buyer or any third party. In no event shall the seller be required to compensate any specific damage such as costs for the painting of mouldings or finishing of the interior decoration.