

Dellux TL105O-UUD Luminaire

The Dellux TL105O-UUD assembly is very simple and can be installed by a single person. The installation time is also reduced since there is no need to open the Luminaire enclosure for wire connections.

Our Luminaire enclosure is made of 316L solid stainless steel. Moreover, two temper seals are placed on each enclosure to ensure Luminaire integrity. Once the enclosure has been opened, the gaskets are not re-usable and Dellux can no longer guarantee the sealing and proper functioning of the Luminaire.

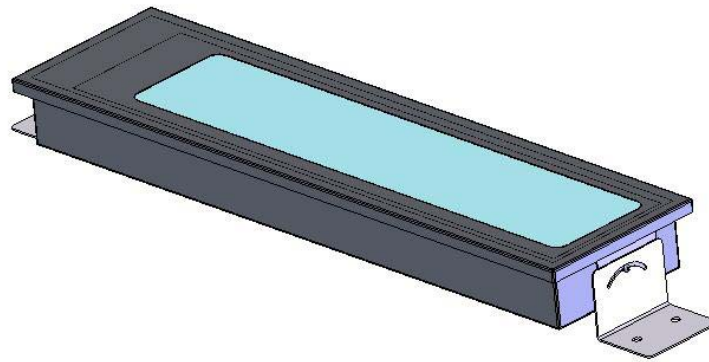


Figure 1 –View of Dellux TL105O-UUD ¹

1 Physical characteristics

Length	100	Cm
Width	30	Cm
Thickness (excluding brackets)	10	Cm
Weight	10	kg
Storage temperature (ambient)	-40 to 65	°C

Table 1 – TL105O-UUD Physical characteristics

¹ Excluding brackets might be welded on top of the luminaire to allow the installation on cable tray.

2 Material characteristics

Housing	Stainless steel (316L) according to EN 1.4404/SS 142348
Sealing Gasket	White silicone with adhesive
Glass	Tempered Glass Thickness: 3.4mm
Connector	IEC309 2P+T 230V 16A-IP67
Power cable	1.5m type H07BQ-F
PC-boards	Aluminum (metal core) Thickness: 1.5mm

Table 2 - TL1050-UUD Material characteristics

3 Electrical characteristics

Supply voltage	90 – 240	VAC
Average lamp power for daytime	155	W
Average lamp power for nighttime	75	W
Percentage of LED used at beginning of life during daytime	Day: 70	%
Operating temperature	-30 to 55	°C
Communication	Power line	-
Time to re-strike after power interruption	3-4 seconds	

Table 3 - TL1050-UUD electrical characteristics

4 Optical characteristics

Lamp lumen rating at full intensity (at beginning of life)	11'000 Lumens
Stabilized life-time lamp lumen rating (for daytime) ²	7750 Lumens
Time to reach 80% of max luminous flux switching	Less than 1 second
Rated life with Dellux light degradation compensation algorithm	>90000h before light degradation
Color	White : 5200-6500°K CCT

Table 4 - TL1050-UUD optical characteristics

² Dellux light degradation compensation algorithm for LED is used to maintain constant lumen.

5 Power Cable

Dellux T105O-UUD Luminaire uses a « powerline » communication system. This means that data travels on the powerline. Luminaires provided for the installation, have a 1.5 meters long cable type H07BQ-F, with IEC309 2P+T 230V 16A-IP67 connector.

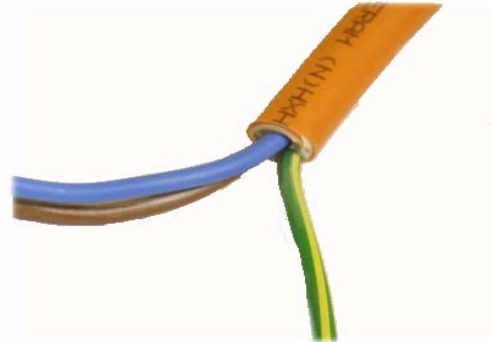


Figure 2 – 3-wires cable

	Color	Connection
1	Brown	L1 phase of the 230 VAC
2	Blue	Neutral of 230 VAC
3	Green	GND

Table 5– Dellux TL105O-UUD connections

6 Installation

Two brackets (made of 316L stainless steel) are welded on top of the luminaire to allow the installation. The luminaire will be installed without tilt for symmetrical lighting, on the existing cable trays.

