

HT-Light 48

LED lighting for the HygieniaTouch+ System in intensive farms.

1. GENERAL DESCRIPTION OF THE PRODUCT

HT-Light 48 is a rigid linear composition of LED diodes that emits high energy visible light.

HT-Light 48 is based on the property of semiconductors, called electroluminescence, whereby a semiconductor emits photons upon receiving a certain electrical voltage.

The energy of the photons emitted by the LEDs that make up **HT-Light 48** is sufficient to activate the **HygieniaTouch+ System**



2. INSTALLATION

Recommendations:

- The installation of **HT-Light 48** must be carried out by a professional electrician.
- **HT-Light 48** lights work at 24V Direct Current, and have a unit consumption of 26 W. The appropriate transformers, connectors and wiring must be installed, in accordance with local legislation, and considering the environmental conditions of the farm.
- The distribution of **HT-Light 48** must be carried out in accordance with the instructions indicated in the Protocol for Farms of the **HygieniaTouch+ System**. In general, a regular distribution of **HT-Light 48** lighting will be sought at a height between 2 and 3 meters above the floor, and spaced 5 meters from one to the other, and between 2 and 3 meters from the walls. The objective is to achieve regular lighting, with minimal shadows, and that it reaches all points of the farm that may be in contact with the animals, that is, susceptible to containing or spreading infections.
- **HT-Light 48** lighting must be installed in such a way that it is not susceptible to receive direct water jets during maintenance and cleaning of the farm.



- *RISK OF ELECTRIC SHOCK.*
- *DISCONNECT THE ELECTRICAL NETWORK BEFORE ITS INSTALLATION*
- *DO NOT DISASSEMBLE OR TAMPER WITH THE INTERIOR OF THE LUMINAIRE*
- *24 V DIRECT CURRENT POWER SUPPLY. RESPECT POLARITY*
- *THE SURFACE COULD BE HOT. CAUTION*

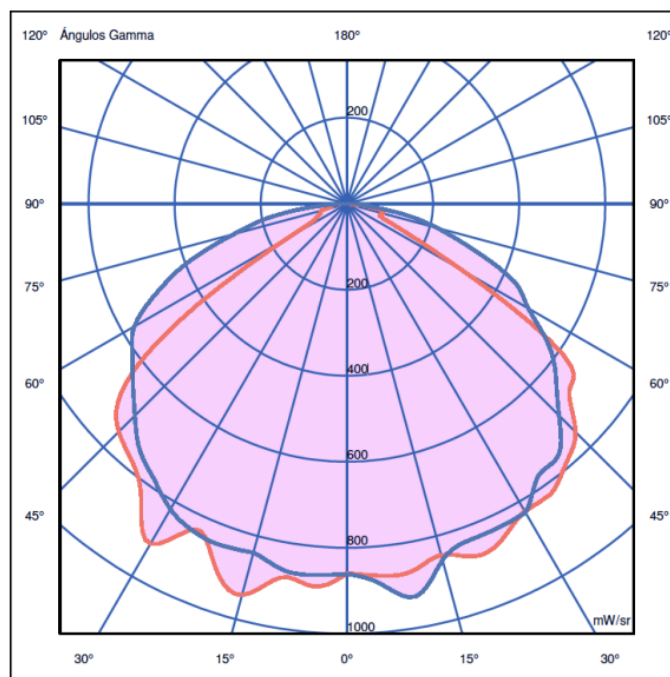


3. CHARACTERISTICS

H[m]	D[m]	Max mW/m ²	Med mW/m ²	Alpha=55.1°+57.5°	G=0.0 Máx no a G
1.00	3.01	890	192		
2.00	6.01	223	48		
3.00	9.02	99	21		
4.00	12.02	56	12		
5.00	15.03	36	8		

H[m]	D[m]	Max mW/m ²	Med mW/m ²	Beta=65.8°+61.3°	G=0.0 Máx no a G
1.00	4.05	890	192		
2.00	8.10	223	48		
3.00	12.15	99	21		
4.00	16.20	56	12		
5.00	20.26	36	8		

Power received as a function of distance to HT-Light 48



Light emission distribution of HT-Light 48



4. TECHNICAL INFORMATION

HT-Light 48 Rigid linear composition of LED diodes that emit in the range of high energy visible light (violet), and UVA-I, with the following characteristics:

- Length: 490 mm
- Rigid aluminum frame
- Protection IP 66
- Number of diodes: 6
- Two connection cables at one end, for installation in parallel
- Working voltage: 24 V DC
- Intensity: 1,2 A
- Direct Current (DC)
- Consumption: 26 Watts
- Maximum working temperature: 85 ° C
- Emission 5 Watt
- Angle of emission 120°
- Average life of LEDs: 50,000 hours
- Recommended effective life for use in the PureLayer System: 30,000 hours

Note: The recommended effective life should not be exceeded, even if the **HT-Light 48** lighting continues to work, since the intensity of light emissions in LED technology decreases over time, so lighting with more than 30,000 hours of operation would not be able to correctly activate the **HygieniaTouch+ System**.

5. PRESENTATION

HT-Light 48 is presented in boxes containing 27 units.

6. Disclaimer

All data provided in our technical information is based on our experience, technical knowledge and practice under certain working and testing conditions. The client must check consumption and the adaptation of the products under their working conditions, carrying out their own tests. IngeniaTouch can provide technical advice if required.

We guarantee the quality of the products in case of manufacturing defect, excluding subsequent claims. Our guarantee is limited to the value of the products purchased. The warranty will not apply in case of misuse, incorrect power, poor installation, handling, or repairs carried out by unauthorized or unqualified persons. This data sheet is valid until the issuance of a new version.



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