

Radiant heating cassettes

low-temperature

Electric heaters



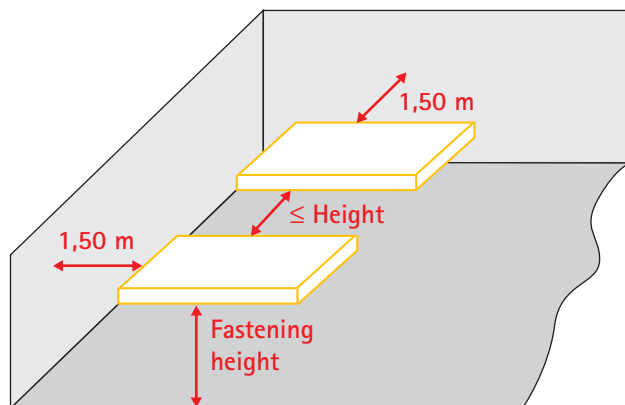
Ratings and dimensions

Power (W)	Voltage (V)	Weight (kg)	Height (mm)	Depth (mm)	Width (mm)
300	230	5,2	35	593	593
600	230	10,5	35	1193	593

CE - Classe I - IP 44



Accessory
Room Thermostat (IP 30)





Radiant heating cassettes

- **Initial principle:**

Design output is calculated in the same manner for low- and medium-temperature cassettes.

The power necessary for heating a room is equal to the losses increased by 10% to 20%.

- The minimum number of cassettes to be installed is determined by using the following principle:

$$\text{Number of cassettes} \geq \frac{\text{Room surface area in m}^2}{\text{Fastening height in m}^2}$$

- Two rules must be followed when positioning the cassettes:

- > The space between each cassette must be less than the value of the fastening height. The cassettes must be fitted at least 1.50 m from the outer walls (to limit heat loss).
- > The cassettes must be fitted horizontally to ensure a high level of comfort. Any inclination of the cassettes can significantly reduce the effectiveness of the radiant heating and create thermal discomfort.

- Cassettes are chosen on the basis of the following calculation:

$$\text{Unit output of the cassette (W)} = \frac{\text{Output to install (W)}}{\text{Number of cassettes}}$$

The unit output of the cassette must be consistent with the installation height and therefore with the type of heat-emitting device chosen (low-temperature or medium-temperature).

The cassettes must be combined with a control and programming system.