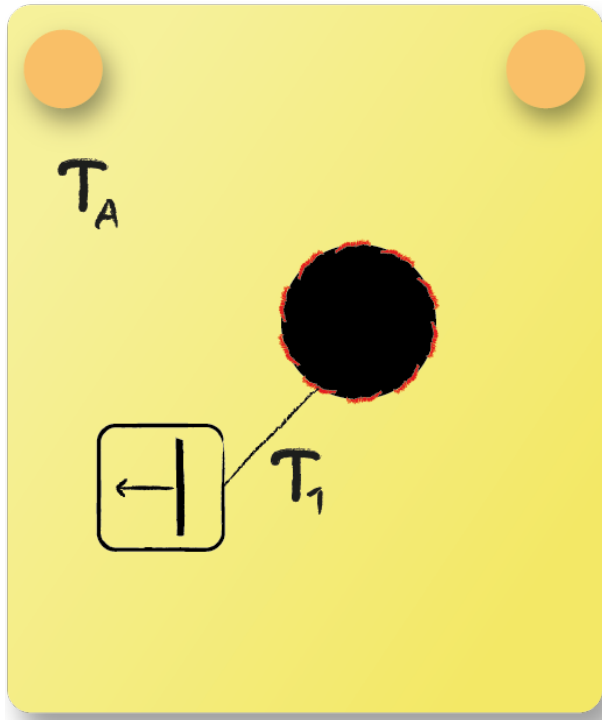


## Surface Brightness: Task 2



The image shows a black body.

1



$$\dot{Q}_1 = \sigma \cdot A_1 \cdot T_1^4$$

2



Any type of reflection and transmission is not existent in a black body. Its surface brightness therefore only contains black body radiation, which is not directly dependent on the ambient temperature