

**INTERPRETATION IC 90.1-2019-16 OF
ANSI/ASHRAE/IES STANDARD 90.1-2019
Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings**

Date Approved: June 6, 2024

Request from: Harold Jepsen, Legrand, 463 Millcreek Road, Pleasant Grove, UT 84062.

Reference: This request for interpretation refers to ANSI/ASHRAE/IES Standard 90.1-2019, Section 9.1.4, regarding lighting equipment wattage for calculating lighting power.

Background: There is lighting equipment currently available on the market where the lighting output level is field adjustable, thereby changing the wattage used by the lighting equipment. As the lighting output can be changed during and after installation, the wattage of the lighting equipment could be increased or decreased post installation. These field adjustable luminaires do not require a specialized tool or knowledge to change the lighting output.

Section 9.1.4 Interior and Exterior Luminaire Wattage determines the criteria to calculate the lighting power of lighting equipment for compliance with the lighting power requirements. There has been some question as to what wattage can or should be used with these changeable output luminaires. Is it permissible to use the wattage setting as designed for a project and as expected that luminaires to be set to at installation? Or, is the manufacturer's labeled maximum, as stated in 9.1.4 (a), the wattage that must be used since the lighting equipment remains adjustable in the field for different wattages post installation?

Interpretation: The lighting power wattage used to calculate the lighting power of field adjustable output luminaires is the manufacturers' labeled maximum wattage at the highest output setting of the luminaire and as stated in Section 9.1.4 (a).

Question: Is this interpretation correct?

Answer: Yes