

CERAMIC METAL HALIDE LAMP

ABSTRACT

In a ceramic metal halide lamp comprising a discharge vessel for containing light emitting material and a translucent outer bulb for accommodating the discharge vessel, wherein a sleeve is provided between the discharge vessel and the outer bulb, and assuming that a rated lamp power is P [W], a radius of an inner surface of the outer bulb being R_3 [mm], a distance between an outer surface of the discharge vessel and an inner surface of the sleeve being t_1 [mm], and a distance between an outer surface of the sleeve and the inner surface of the outer bulb being t_2 [mm], the following equations are satisfied.

$$(R_3/P) \leq 0.06 \text{ [mm/W]}$$

$$1.0 \leq t_2/t_1 \leq 2.0$$

FIG 1A