

Test your knowledge: Lighting

LIGHTING

Test your knowledge on lighting through this quiz with ten multiple choice questions.

Name: _____

Organization: _____

Date: _____

1. A device that distributes and filters the light emitted from one or more lamps is

- a. Control gear
- b. Lamp
- c. Luminaire
- d. Started

2. Ignitors are used for starting

- a. Fluorescent tube lights
- b. Compact fluorescent lights
- c. Sodium vapor lamps
- d. None of the above

3. The ratio of luminous output of a lamp to the power consumed by the lamp is

- a. Illuminance
- b. Lux
- c. Color rendering index (CRI)
- d. Luminous efficacy

4. The color rendering index (CRI) is measured in the scale of

- a. 1 – 100
- b. 1 – 100 %
- c. 100 – 1000
- d. None of the above

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5. The color rendering index of halogen lamps compared to low pressure sodium vapor lamps is

- a. Slightly lower
- b. Significantly lower
- c. Slightly higher
- d. Significantly higher

6. One lux is equal to

- a. One lumen per meter
- b. One lumen per m²
- c. One lumen per m³
- d. None of the above

7. The color rendering index (CRI) of an incandescent lamp is

- a. Fair when compared to a HPSV (high pressure sodium vapor) lamp
- b. Poor when compared to a LPSV (low pressure sodium vapor) lamp
- c. The same when compared to a HPMV (high pressure mercury vapor) lamp
- d. Excellent when compared to a fluorescent lamp

8. Which of the following light source has the lower life time

- a. Sodium vapor
- b. Mercury vapor
- c. Incandescent
- d. Halogen

9. If the voltage is reduced for gas discharge lamps, this will result in

- a. Reduced power consumption
- b. Increased power consumption
- c. Increased light levels
- d. No change in power consumption

10. The average rated life of a compact fluorescent lamp is

- a. 1,000 hours
- b. 5,000 hours
- c. 7,000 hours
- d. 10,000 hours

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ANSWERS				
1. c	2. c	3. d	4. a	5. d
6. b	7. d	8. c	9. a	10. d