
The below answer sheet is for your own self-assessment.
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INVIGORATING INFRASTRUCTURE WITH DYNAMIC LIGHTING



1) What is meant by the term 'dynamic lighting' and how does it differ from traditional lighting?

The term dynamic lighting refers to solutions that allow for adjustment of parameters like intensity, colour, direction, and distribution to create different effects and enable the curation of content and experience. In contrast, traditional lighting refers to static lighting arrangements in which conditions are fixed and cannot be easily altered after installation.

2) In what sorts of projects is this sort of dynamic lighting typically used?

Traditionally, dynamic lighting has been found in entertainment venues (theatres, stadiums, experience centres), museums and art galleries. More recently, it has also been installed in hospitality and retail applications; outdoor spaces; and workplace environments.

3) Name two benefits of dynamic lighting

Answers include any two of the following:

- Visual impact
- Flexibility and adaptive lighting response
- Personalisation and user comfort
- Enhanced experiences and content curation
- Improved safety and functionality
- Sustainability
- Financial return

4) Is dynamic lighting becoming more commonplace?

Yes, dynamic lighting has become more popular. The reasons for this include:

- Technological advancements
- Enhanced user experience and behavioural education
- Personalization and improved behavioural understanding
- Improved cost-effectiveness

5) Is dynamic lighting mainly used in new projects or can it just as easily used to reinvigorate existing sites?

Dynamic lighting is used in new projects and also to reinvigorate existing sites. While implementing dynamic lighting in new construction projects may offer more flexibility it is possible to retrofit existing assets with dynamic lighting systems.

6) What are the regulations associated with the use of dynamic lighting in infrastructure projects?

Dependent on country, region, and specific application, the regulations include:

- Building codes and standards
- Product Manufacturing standards and certification
- Electrical codes and regulations
- Environmental standards and recommendations
- Light pollution and dark sky regulations
- Design-Life requirements