

UNIVERSITY COLLEGE LONDON

University of London

EXAMINATION FOR INTERNAL STUDENTS

For the following qualifications:-

M.Sc.

ESGL2: Lighting Sources

COURSE CODE : ENVSGL02

DATE : 27-Aug-03

TIME : 10.00

TIME ALLOWED : 2 hours 0 minutes

03-N15-4-20

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TURN OVER

UNIVERSITY OF LONDON

MSc DEGREE IN BUILT ENVIRONMENT 2003
for Internal Students of University College London

L02: Lighting sources (*retake*)

Answer **TWO** questions.

All questions carry equal marks. Use annotated sketches.

1. In an extended discussion, identify the problems in achieving energy savings with daylight-linked control systems in commercial buildings.

2. Compare the generation of light in lamps based on incandescence and those based on discharge in a gas.

3. The trustees of a national art collection have asked you to assess the daylighting and sunlighting regime in a new design of a top-lit gallery. Outline the measurement procedures that you would follow to address this question using a variable luminance artificial sky/sun.

4. In a survey of the range of luminaire types currently available, show how their design has exploited the operating and performance characteristics of common lamps.

END OF PAPER