

Project Knowledge – Car Park 7 Lighting Upgrade by University of Warwick



BEFORE:

- 180 Traditional SON Lamps
- 19.7 kW Uncontrolled Constant Load
- £17,700 / year running costs

AFTER:

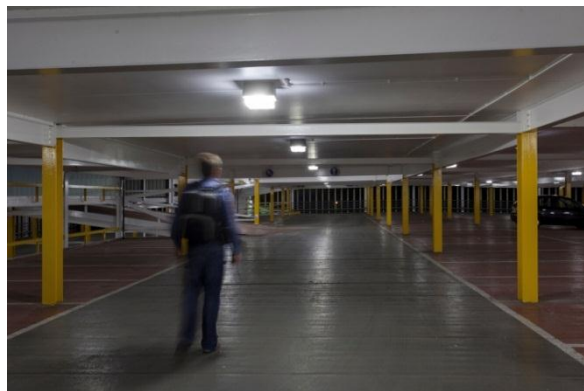
- Project cost - £77,308
- Load reduced by 77% to 4.6 kW av.
- £15,677.59 and 80 tCO₂ saving / year
- Payback 4.93 years
- To be rolled out to all Campus Multi-Storey Car Parks - Target Completion, all areas Autumn 2012.



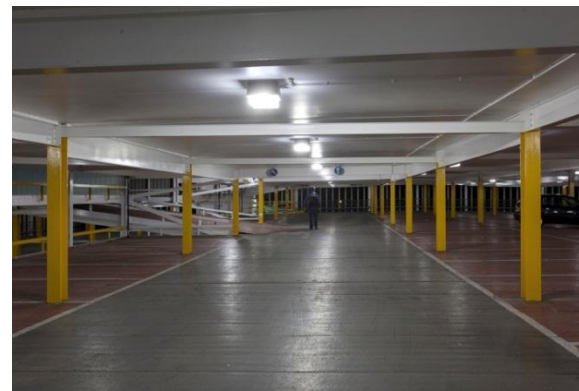
[Project completion – May 2012](#)

Project Knowledge – Car Park 7 Lighting Upgrade by University of Warwick

Dimmed to 10%:



Triggered to 100%:



- University Security require 24 hour Lighting in Multi-Storey Car Parks.
- Re-used all existing Holophane Base Plates.
- New lenses fitted to every Luminaire.
- New Philips “Fortimo” 56 W LED light installed in place of 100 W (ex. losses) SON.
- New Ex-Or “Batten-Fit” PIR Sensors installed on every internal fitting.
- New Philips Lumi-Step Lighting Controls Fitted to Rooftop Luminaires
- Ceilings and Down-stand Girders re-painted to further improve lux levels. (By co-ordination with separate Department [Cost Excluded])

Client – Warwick University
Email – A.Thomas@warwick.ac.uk

Client contact – Andrew Thomas