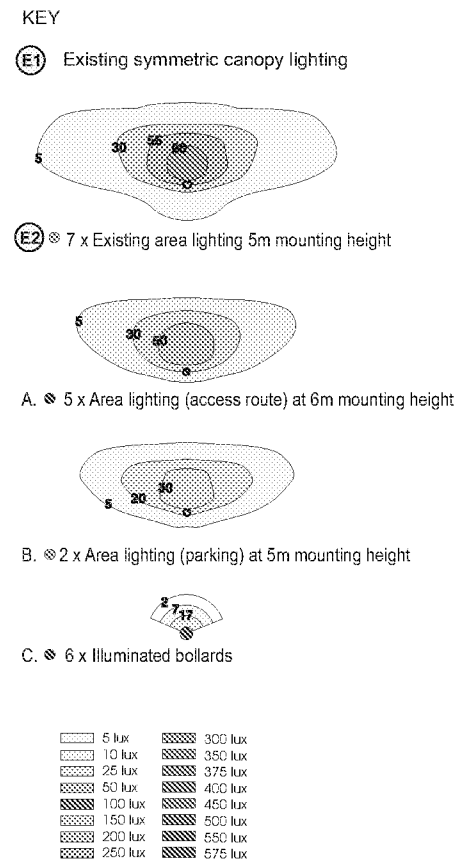


The lighting information provided on this drawing is for planning purposes only. The specified product manufacturer must be contacted for a comprehensive design and limited warranty information prior to product procurement. Emergency and Escape Lighting (not shown) is to be installed and compliant with BS5266-1 and The Regulatory Reform (Fire Safety) Order 2005 respectively.

TITLE: PROPOSED LIGHTING PLAN - CROSSBUSH

FILE REF: DM134

CLIENT: Jennings Design Ltd

THE GRAHAM WHITE LIGHTING CONSULTANCY
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GW
 LIGHTING CONSULTANCY



Lighting Assessment: New Drive Thru Coffee Shop Facility

Crossbush Service Station, A27/A284 interchange, Arundel. BN17 7QQ

(Please refer to drawing ref: DM134)

Existing Exterior Lighting

The existing lighting (E1 and E2) is indicated on drawing DM134.

New Exterior Lighting

Access Road Lighting (A) type Philips Lighting BGP 303 LED122/740 PSU I DM 42/60 (5no) at 6m mounting height and (B) parking area lighting type Philips Lighting BGP 303 LED 49/740 PSU I DM 42/60 (2no) at 5m mounting height are concentrated to provide minimum levels of light required for task lighting and pedestrian/traffic route safety. Control of beam direction (below 70 degrees) is provided by the LED beam control system enabling sharp cut off, avoiding glare, spill-light and night sky pollution.

Bollards (C) illuminated type Philips Lighting Coreline ref: BCP155 LED 100/WW PSU 220-240VA 7043, 135 deg. Warm White Asymmetrical Bollard 1m height (6no) complete with Ground Section Anchor (order code 38379400). To be located at approximately 6m intervals and set 600mm behind the kerb face on the opposite side to the Drive Thru Building. These illuminated bollards provide minimal proximity illumination for safety and security.

Impact on neighbouring property by the new scheme and compliance

The resulting illuminance contours for each luminaire location are shown on Drawing DM134.

Existing and proposed boundary treatment to adjacent public roads and property along with the benefit of new LED technology and good lighting design will provide a high degree of control to restrict any boundary spillage of light and eliminate nuisance to neighbouring residents and any wildlife habitats.

Graham White (Senior Designer) GWLC.

19/4/22