

Symbol	Label	Arrangement	Description
14	A	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted on 3m column.
15	A (BM) Shielded	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted at 3m, fitted with the back spill shield.
16	B	BACK-TO-BACK	2 x 27.5w T5ALO 1 3700K optic lantern 1 module mounted on 3m column.
17	C	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted on 5m column, fitted with the front spill shield.
18	D (BM)	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted at 5m, fitted with back shield.
19	F	SINGLE	45W (9 Module) LED galileo Floodlight with ASP5W optic
20	G	SINGLE	15w LED Ray Lineas recessed into ceiling luminaire dimmed to 20% of the full output.



Dimensions are not to be scaled from this drawing.

Symbol	Label	Arrangement	Description	Qty	Unit	Notes
14	A	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted on 3m column.	1	EA	
15	A (BM) Shielded	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted at 3m, fitted with the back spill shield.	1	EA	
16	B	BACK-TO-BACK	2 x 27.5w T5ALO 1 3700K optic lantern 1 module mounted on 3m column.	1	EA	
17	C	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted on 5m column, fitted with the front spill shield.	1	EA	
18	D (BM)	SINGLE	27.5w T5ALO 1 3700K optic lantern 1 module mounted at 5m, fitted with back shield.	1	EA	
19	F	SINGLE	45W (9 Module) LED galileo Floodlight with ASP5W optic	1	EA	
20	G	SINGLE	15w LED Ray Lineas recessed into ceiling luminaire dimmed to 20% of the full output.	1	EA	



- Notes:**
- Please check suitability of locations for all lighting equipment before placing an order and installing.
 - Mounting heights specified by customer.
 - Please refer to the drawing for mounting heights and tilt angles.
 - Archways and Buckridge Building are falling to E3 environmental zone currently. With regards to Buckridge Building it will comply with E3 when Muga lights is off. With regards to the archways mounting heights and quantity of luminaires specified by customer, dimming the lights would be recommended as it is very close to E2 environmental zone.
 - Please refer to the the drawing with vertical grids to see impact of light for residents.

BREEAM

Bourne Estate (South) Regeneration

Category	Target	Actual	Status	Notes
Table 1 Compliance	Environmental zone E3	0.00%	Pass	
Daylight	15.00%	0.00%	Pass	
Electric Intensity (standalone)	25.00	3.00	Pass	Note: we have assessed on things will be left on foot curbs
Light Transmittance (standalone)	15	150	Fail	Active
Light Transmittance (standalone)	5	0	Pass	Note: we have assessed on things will be left on foot curbs
Building luminaires (standalone)	25			

The criteria for a design to achieve the ENE E3 credit have now changed. Designs are now required to achieve an average of 60 lumens per circuit watt. This affects the type of fitting and light source that can be used. Please ensure that this is considered when comparing this drawing to previous designs or designs by others. For more information contact our lighting design department or go to <http://ipg.co.uk/breem> (BREEAM is a trademark of BRE).

Revision	Date	Description

Kingfisher Lighting

HEA
Housing Environment Agency

IP
Integrated Project

BREEM
Building Research Establishment Environmental Assessment Method

Project Title: Bourne Estate (South) Regeneration
Muga catched EN

Scale: 1:250 at A0
Project No: 202337/LUM/S
Date: 21/3/2016
Drawing No: 202337/LUM/S

Lighting Designer: L.A.M. Architects