

Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site, if in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.

Notes

- 1.00 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PERFORMANCE SPECIFICATION AND ALL OTHER ASSOCIATED DRAWINGS LISTED ON THE BMD DRAWING ISSUE SHEETS. ALL OTHER RELEVANT STATUTORY AND LEGISLATIVE DOCUMENTS SHALL ALSO BE REFERRED TO.
- 2.00 THIS DRAWING SHALL BE USED BY THE CONTRACTOR AS A BASIS FOR THE DESIGN DEVELOPMENT OF THE MECHANICAL AND ELECTRICAL ENGINEERING SERVICES WITHIN THE BUILDING. IN ACCORDANCE WITH THE REQUIREMENTS OF THE DOCUMENTATION LISTED IN NOTE 1 ABOVE AND THE ARCHITECTS' / STRUCTURAL ENGINEERS DESIGN DRAWINGS.
- 3.00 THE POSITIONS AND NUMBERS OF THE EQUIPMENT ARE INDICATIVE ONLY AND ARE SUBJECT TO THE DETAIL DESIGN (TO BE CARRIED OUT BY THE CONTRACTOR).
- 4.00 FOR LEGEND OF SYMBOLS REFER TO BWB DRAWING RJB-BWB-XX-XX-DR-E-2001.
- 5.00 CO-ORDINATION BETWEEN OTHER SERVICES INSTALLATIONS AND STRUCTURAL ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 6.00 THE CONTRACTOR SHALL MAKE NECESSARY ALLOWANCES IN ORDER TO COMPLY WITH THE BREXAM REQUIREMENTS AS DETAILED IN THE ACCOMPANYING ELECTRICAL TENDER SPECIFICATION.

Qty	Range	Light Source	Lamp Lumens	Circuit Watts	Lm/W	LOR	Luminaire Lumens	ULOR	Upward Lum.	RA	ART Hour Per Day	CO ₂ Calculation for year	
												CO ₂ (Tonnes)	Kwh/year
5	Italo 1	SOS - 850mA 4 Module	32080	93	111.61	100.0%	51900	0.0%	0	70	12	0.47	2036.70
12	Viva City PRO	60w LED FW70	8760	60	146.00	100.0%	105120	0.0%	0	70	12	0.73	3153.60
4	Viva City PRO	40w LED FL50	6080	40	152.00	100.0%	24320	0.0%	0	70	12	0.16	700.80
6	Zactis	250w LED FW70	34250	250	137.00	100.0%	205000	0.0%	0	60	12	1.52	6570.00
10	Zactis	160w LED FW70	21500	160	137.00	100.0%	215000	0.0%	0	60	12	1.62	7008.00
12	Semita Urban	24w LED FL Optic	3000	24	125.00	100.0%	36000	0.0%	0	70	12	0.29	1261.44
24	Semita Urban	11.7w LED OC Optic	1570	11	141.44	100.0%	37680	0.0%	0	70	12	0.27	1166.88

Total Installation Lumens	679720.00	Total ULR	0.00%
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Table 1 compliance

Environmental zone	E3		
Sky Glow	Target	Achieved	Status
	5.00%	0.00%	Pass
Source Intensity (candelas)			
Pre curfew	10,000		Pass
Post curfew	1,000		Pass
Light Trespass into windows (Lux)			
Pre curfew	10		Pass
Post curfew	2		Pass
Building Luminance (cd/m²)	10		

Compliance Status:		
Pre 04	Reduction of night time light pollution	Pass
Ene 03	Energy efficient external lighting	Pass
Hea 01	Internal and external lighting levels	Pass



P3	24.02.23	Tender Issue	Latest site plan incorporated and external lighting amended to suit	GEM DA
P2	17.02.23	Tender Issue		GEM DA
P1	07.04.21	Issued for Information		GCL DA
Rev	Date	Details of issue / revision		Dwn / Rev

Issues & Revisions

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Client: **Gregory Property Group**

Project Title: **Proposed Industrial Development
Dearne Valley Parkway
Barnsley**

Drawing Title: **Electrical Services
Proposed External Lighting
Lux Plot
Site Plan**

Drawn: G. C. Leeming
BWB Ref: LDA2634
Date: 07.04.21
Scale: A40: 1:500

Reviewed: D. Alastair

Drawing Status: **TENDER**

Project - Originator - Zone - Level - Type - Role - Number
RJB-BWB-00-XX-DR-E-2302

Status: **D2**
Rev: **P3**