

COM-ORDER FOR INFORMATION
IN ACCORDANCE WITH THE REQUIREMENTS NORMALLY
ASSOCIATED WITH THE TYPES OF WORK DETAIL
NOTED THE FOLLOWING:
CONSTRUCTION
MAINTENANCE/CLEANING
DECOMMISSION/DEMOLITION
FURTHER INFORMATION CAN BE FOUND ON
DESIGNER RISK ASSESSMENT NUMBER
IT IS ADVISED THAT ALL WORKS WILL BE CARRIED
OUT BY A CONTRACTOR COMPETENT UNDER COM
2018 WORKING TO AN APPROVED SERVICE
STANDARD

- Notes
- DO NOT SCALE THIS DRAWING.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

LUMINAIRE SCHEDULE						
Symbol	Label	Qty	Catalog Number	Description	Lamp	Watts
	G2	24	THORLUX Starbeam Large 96 LED Forward Throw GA2	Column Mounted @ 10m 0° Tilt	1 x 27,470 Lumens 4,000K Colour Temp CR80 135 Lm/W	203
	G2B	15	THORLUX Starbeam Large 96 LED Forward Throw GA2 (PH12952)	Column Mounted @ 10m 0° Tilt	1 x 26,070 Lumens 4,000K Colour Temp CR80 128 Lm/W	203
	J1.2	2	THORLUX Starbeam Small 48 LED Roadway GR5	Column Mounted @ 10m 0° Tilt	2 x 19,035 Lumens 4,000K Colour Temp CR80 146 Lm/W	260
	J1B	1	THORLUX Starbeam Large 96 LED Roadway GR5 (PH12958)	Column Mounted @ 10m 5° Tilt C.w Rear Baffle	1 x 18,040 Lumens 4,000K Colour Temp CR80 137 Lm/W	131
	J2B	31	THORLUX Starbeam Large 96 LED Roadway GR5 (PH12958)	Column Mounted @ 10m 5° Tilt C.w Rear Baffle	1 x 27,340 Lumens 4,000K Colour Temp CR80 130 Lm/W	203
	G2	11	THORLUX Juno D 30-PLY [JUN18532]	Column Mounted @ 10m 0° Tilt	1 x 31,920 Lumens 4,000K Colour Temp CR80 120 Lm/W	265
	G3	5	THORLUX Juno D 30-PLY [JUN18533]	Column Mounted @ 10m 0° Tilt	1 x 39,940 Lumens 4,000K Colour Temp CR80 114 Lm/W	360
	R2	1	THORLUX Juno D 30-PLY [JUN18535]	Column Mounted @ 10m 0° Tilt	1 x 16,280 Lumens 4,000K Colour Temp CR80 133 Lm/W	144
	G1.w	2	THORLUX Starbeam Small 48 LED Forward Throw GA2	Wall Mounted @ 6m 0° Bracket Tilt	1 x 17,435 Lumens 4,000K Colour Temp CR80 133 Lm/W	131
	G2.w	16	THORLUX Starbeam Large 96 LED Forward Throw GA2	Wall Mounted @ 10m 0° Bracket Tilt	1 x 27,470 Lumens 4,000K Colour Temp CR80 131 Lm/W	203
	S.w	71	THORLUX Starbeam Small 48 LED Forward Throw GA2	Wall Mounted @ 5m 0° Bracket Tilt	1 x 2,835 lumens 4,000K Colour Temp CR80	23
	T.w	2	THORLUX Realis Bulbhead SmartScan	Wall Mounted @ 4m 0° Bracket Tilt	1 x 1,300 lumens 4,000K Colour Temp CR80	8
	U.w	27	THORLUX Realis Bulbhead SmartScan	Wall Mounted @ 5m 0° Bracket Tilt	1 x 2,700 lumens 4,000K Colour Temp CR80	22
	U2.w	2	THORLUX Realis Bulbhead	Wall Mounted @ 5m 0° Bracket Tilt	1 x 4,850 lumens 4,000K Colour Temp CR80	38
	ZR	1	THORLUX Aspect 3 ZR-Lens	Column Mounted @ 6m 0° Bracket Tilt	1 x 10,130 lumens 5,700K Colour Temp CR80	95
	ZL	1	THORLUX Aspect 3 ZL-Lens	Column Mounted @ 6m 0° Bracket Tilt	1 x 10,130 lumens 5,700K Colour Temp CR80	95
	ZR.w	2	THORLUX Aspect 3 ZR-Lens	Wall Mounted @ 6m 0° Bracket Tilt	1 x 10,130 lumens 5,700K Colour Temp CR80	95
	ZL.w	2	THORLUX Aspect 3 ZL-Lens	Wall Mounted @ 6m 0° Bracket Tilt	1 x 10,130 lumens 5,700K Colour Temp CR80	95
	X1	4	THORLUX Passway Bollard Area Optic FW189134PW199 19	1m Bollard with FlexBase	1 x 1,450 Lumens 4,000K Colour Temp CR80	21
	Z1	11	THORLUX Thornproof (TP19773)	Surface Mounted Height TDC by Contractor	1 x 5,035 Lumens 4,000K Colour Temp CR80 139 Lm/W	36
	Em-Ex	24	THORLUX Lasc-IG (Final Exit)	Surface Mounted Above Final Exit Door	2W LED	2
	V1	32	THORLUX Vantage VT17216	Surface Mounted @ 4m	1 x 5,060 Lumens 4,000K Colour Temp CR80	61

STATISTICS				
Description	Symbol	Avg	Min	Min/Avg
BUILDING ENTRANCE [500:40]	+	64 lux	55 lux	0.86
BUILDING PERIMETER [100:25]	+	27 lux	7 lux	0.26
BUS DEPOT [1000:40]	+	105 lux	50 lux	0.48
CAR PARKING [200:40]	+	20 lux	8 lux	0.40
CYCLE STORE [200:40]	+	147 lux	94 lux	0.64
EXTERNAL BREAKOUT SPACE [1000:40]	+	100 lux	59 lux	0.59
EXTERNAL BREAKOUT SPACE [1000:40]	+	100 lux	59 lux	0.59
GATEHOUSE [1000:40]	+	106 lux	89 lux	0.84
HGV ENTRY/EXIT ROAD [1000:40]	+	102 lux	42 lux	0.41
HGV HOLDING AREA [500:40]	+	77 lux	46 lux	0.62
HGV LOADING BAYS [1000:40]	+	53 lux	22 lux	0.42
HGV SERVICE YARD [250:40]	+	26 lux	11 lux	0.42
PLANT AREA 1 [1000:40]	+	157 lux	131 lux	0.83
PLANT AREA 2 [1000:40]	+	127 lux	87 lux	0.69
SITE WALKWAY [100:25]	+	45 lux	12 lux	0.27

POWER DENSITY STATISTICS		
Name	# Luminaires	Total Watts
External Electrical Loading	263	28501.0 W

T4	02.06.21	ISSUED FOR TENDER	ABN
T3	16.11.20	ISSUED FOR TENDER	ABN
T2	16.10.20	ISSUED FOR TENDER	ABN
T1	16.09.20	ISSUED FOR TENDER	ABN
Rev	Date	Amendments	Appr'd
Client			



Project PLP - KNOWSLEY

Title EXTERNAL LIGHTING LAYOUT

Drawing No 20-010-EX-001 Rev. T4

Status TENDER
Scale 1:750 @A0
Date FEB 2020
Designed by ABN
Drawn by JG



Maple House, Woodlands Business Park, Lifford Wood West, Milton Keynes, MK14 6GS T 01908 500099