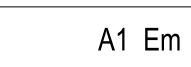
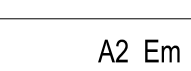
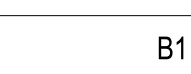
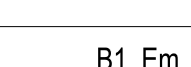
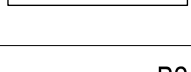
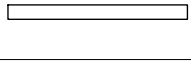
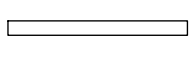
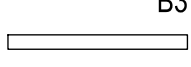
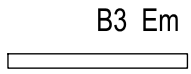
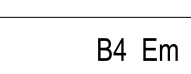
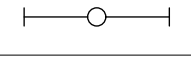
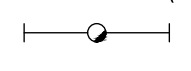
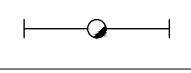
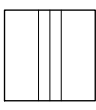
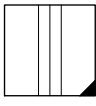
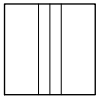
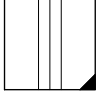


ITEM OR SYMBOL	DESCRIPTION	MANUFACTURER	PART/CAT REF.	QTY	REMARKS
 A1	NOT USED				
 A1 Em	NOT USED				
 A2	SUSPENDED 1200mm LONG LINEAR LED , DIRECT ONLY WITH MICROPRISM OPTICS & DALI GEAR - WHITE BODY	COMPLETE LIGHTING SERVICES LTD. (TEL: 01256 811600)	ASTRO 1140 LINALITE RANGE (42W - 3770 LUMEN)		WIRE SUSPENDED.
 A2 Em	AS A2 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1140 LINALITE RANGE (42W - 3770 LUMEN) + EM		WIRE SUSPENDED.
 B1	SURFACE NOM. 1500 LINEAR LED WITH MICROPRISM OPTICS, NON-DIMMABLE - WHITE BODY	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1420 LINALITE RANGE (43W - 4154 LUMEN)		
 B1 Em	AS B1 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1420 LINALITE RANGE (43W - 4154 LUMEN) + EM		
 B2	SURFACE NOM. 1500 LINEAR LED WITH MICROPRISM OPTICS, DALI GEAR - WHITE BODY	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1420 LINALITE RANGE (53W - 4841 LUMEN)		
 B2 Em	AS B2 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1420 LINALITE RANGE (53W - 4841 LUMEN) + EM		
 B3	SURFACE NOM. 1200 LINEAR LED WITH MICROPRISM OPTICS, DALI GEAR - WHITE BODY	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1140 LINALITE RANGE (42W - 3770 LUMEN)		
 B3 Em	AS B3 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1140 LINALITE RANGE (42W - 3770 LUMEN) + EM		
 B4	3.6m LONG SURFACE CONTINUOUS LINEAR LED WITH MICROPRISM OPTICS & DALI GEAR - WHITE BODY	COMPLETE LIGHTING SERVICES LTD.	ASTRO LINALITE RANGE (42W - 3770 LUMENS PER NOMINAL 1200mm LENGTH SEGMENT)		THROUGH WIRED. MAX. LUMEN OUTPUT TO PRESET - REFER TO SPECIFICATION
 B4 Em	AS B4 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION WITHIN LUMINAIRE SEGMENT(S) AS INDICATED ON LIGHTING DRAWING	COMPLETE LIGHTING SERVICES LTD.	ASTRO LINALITE RANGE (42W - 3770 LUMENS PER NOMINAL 1200mm LENGTH SEGMENT) + EM		THROUGH WIRED. MAX. LUMEN OUTPUT TO PRESET - REFER TO SPECIFICATION
 B5	SURFACE NOM. 1200 LINEAR LED WITH MICROPRISM OPTICS, STANDARD GEAR - WHITE BODY	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1140 LINALITE RANGE (42W - 3770 LUMEN)		
 B5 Em	AS B5 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	COMPLETE LIGHTING SERVICES LTD.	ASTRO 1140 LINALITE RANGE (42W - 3770 LUMEN) + EM		
 D1	SURFACE 1200 mm LINEAR, OPAL DIFFUSER, 26W LED, 3340 LUMEN	DEXTRA LIGHTING LTD. (TEL: 01747 858100)	'ECOPAK' RANGE PART: EPK L38 C84		
 D1(E)	SURFACE 1200 mm LINEAR, OPAL DIFFUSER, 26W LED, 3340 LUMEN WITH INTEGRAL 3-HOUR EM FUNCTION	DEXTRA LIGHTING LTD.	'ECOPAK' RANGE PART: EPK L38 C84 EM3		
 D2	SURFACE 1500 mm LINEAR, OPAL DIFFUSER, 35.5W LED, 4689 LUMEN	DEXTRA LIGHTING LTD.	'ECOPAK' RANGE PART: EPK L54 C84		
 D2(E)	SURFACE 1500 mm LINEAR, OPAL DIFFUSER, 35.5W LED, 4689 LUMEN WITH INTEGRAL 3-HOUR EM FUNCTION	DEXTRA LIGHTING LTD.	'ECOPAK' RANGE PART: EPK L54 C84 EM3		
 F1	SUSPENDED 800 mm DIA., OPAL DIFFUSER, 120W LED, 1200 LUMEN, INDIRECT / DIRECT, WITH SEPARATE DALI FOR INDIRECT / DIRECT	COMPLETE LIGHTING SERVICES LTD.	RINA 100 RN2 RANGE - WHITE BODY		SPECIFY WITH SINGLE POINT WIRE 3m (MAX.) SUSPENSION KIT (P).
 F1 Em	AS F1 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	COMPLETE LIGHTING SERVICES LTD.	RINA 100 RN2 RANGE - WHITE BODY		SPECIFY WITH SINGLE POINT WIRE 3m (MAX.) SUSPENSION KIT (P) & INTEGRAL EM FUNCTION

ITEM OR SYMBOL	DESCRIPTION	MANUFACTURER	PART/CAT REF.	QTY	REMARKS
 G1	RECESSED 600x600 MODULAR 32W LED, MICRO PRISM OPTIC, 3600 LUMEN, DALI BALLAST, DIRECT / INDIRECT FITTING	COMPLETE LIGHTING SERVICES LTD.	CLS 184 SERIES PART: 184.004 / T+DALI		
 G1 (E)	RECESSED 600x600 MODULAR AS REF G1 ABOVE WITH 3-HOUR EM PACK	COMPLETE LIGHTING SERVICES LTD.	CLS 184 SERIES PART: 184.004 / T+DALI / EMD1		
 G2	NOT USED				
 G2 (E)	NOT USED				
 J1	230 mm DIA. RECESSED 23W LED DOWN LIGHTER SEALED TO IP44	COMPLETE LIGHTING SERVICES LTD.	HAWTHORN PART HDLPC23-4000K		
 J1 Em	230 mm DIA. RECESSED 23W LED DOWN LIGHTER SEALED TO IP44 WITH INTEGRAL 3 HOUR EM & REMOTE BATTERY PACK	COMPLETE LIGHTING SERVICES LTD.	HAWTHORN PART HDLPC23-4000K / EM3		
 J2	130 mm DIA. RECESSED 19W LED DOWN LIGHTER WITH MULTI-FACETED REFLECTOR & DALI GEAR	COMPLETE LIGHTING SERVICES LTD.	CLS 96 SERIES PART: 96.006 / ECO - WHITE BEZEL		
 K1	337 x 148 x 81 mm WALL MOUNTED 6W LED SEALED TO IP66 - ASYMMETRIC DISTRIBUTION - 812 LUMEN	KINGFISHER LIGHTING LTD. (TEL. 01623 415900)	SEMITA URBAN PART SEMUFL08D		
 K1 (E)	AS K1 ABOVE BUT WITH INTEGRAL 3-HOUR EM FUNCTION	KINGFISHER LIGHTING LTD.	SEMITA URBAN PART SEMUFL08D EM3		
 L1	PLANTED 1000mmH LED BOLLARD LUMINAIRE, 20W, 1339 LUMEN, BLACK ALUMINIUM BODY, FRESNEL DIFFUSER	ASD LIGHTING LTD. (TEL: 01709 374898)	'LITEHOUSE' RANGE PART: LHR/B1AF4LED50J		
 R1	PLANTED COLUMN LUMINAIRE (29W SEALED OPTIC LED, 2997 LUMEN ON 5m BLACK FINISHED GALVANISED COLUMN)	ASD LIGHTING LTD.	ASD MICRO HIGHWAY DIAMOND HWD2/B4K1270-FO PLUS 5m HEIGHT COLUMN		
 R2	PLANTED COLUMN LUMINAIRE (37W SEALED OPTIC LED, 3858 LUMEN ON 5m BLACK FINISHED GALVANISED COLUMN)	ASD LIGHTING LTD.	ASD MICRO HIGHWAY DIAMOND HWD2/B4K1670-FO PLUS 5m HEIGHT COLUMN		
 PIR	ROOM OCCUPANCY SENSOR (RECESSED CEILING, 85 mm DIA. - ADJUSTABLE HEAD)	LEGRAND / CP ELECTRONICS (TEL. 0333 900 0671)	PART: MWS3A-2CH-PRM		(FOR NON DALI BALLASTS); 2 CHANNEL DEVICE FOR SEPARATE EXTRACT FAN & LIGHTING CONTROL FOR USE IN WC APPLICATIONS
 PIR	ROOM OCCUPANCY SENSOR (RECESSED CEILING, 85 mm DIA. - ADJUSTABLE HEAD)	LEGRAND / CP ELECTRONICS	PART: MWS3A-DD		DALI / DSI DIMMING (20 BALLASTS MAX WITHOUT LCM)
 LCM	LIGHTING CONTROL MODULE (LCM) - PLUGGABLE DALI - 64 ADDRESSES	LEGRAND / CP ELECTRONICS	RAPID RANGE PART: EBR-LCM-DALIG64		
 PC	EXTERNAL LIGHTING PHOTOCELL (WITH REMOTE PROGRAMMABLE TWILIGHT SWITCH PLUS CONTACTOR)	SCHNEIDER (MERLIN GERIN)	15483 IC2000+		OR EQUAL AND APPROVED. EXACT LOCATION OF EXTERNAL SENSOR TBC ON-SITE, REFER TO NOTE 1.
(E) or 'Em'	SUFFIX (E) OR 'Em' ADJACENT TO A LUMINAIRE REFERENCE DENOTES EMERGENCY LIGHT FUNCTION				

General Notes

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER TENDER & CONTRACT DOCUMENTATION ISSUED FOR THIS PROJECT.
2. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE & SHALL BE CHECKED & VERIFIED ON SITE BEFORE CONSTRUCTION. FOR WALL SETTING OUT DIMENSIONS REFER TO ARCHITECTS DRAWINGS.
3. THE INSTALLATION SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROJECT TENDER DRAWINGS, PARTICULAR REQUIREMENTS & STANDARD SPECIFICATIONS & THE CURRENT EDITION OF THE WIRING REGULATIONS (BS7671).
4. FINAL POSITION OF ALL EQUIPMENT SHALL BE AGREED ON SITE WITH THE ENGINEER PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL CO-ORDINATE THE WORKS WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT.
6. WHERE ANY OF THE EXISTING INSTALLATION DETAILED TO BE RE-USED IS FOUND TO BE OF A DUBIOUS STANDARD, CLARIFYING INSTRUCTIONS SHALL BE SOUGHT FROM THE PROJECT ENGINEER.
7. THE CONTRACTOR SHALL LIAISE & CO-ORDINATE WITH ALL SPECIALIST CONTRACTORS EMPLOYED FOR THE WORKS.
8. ISOLATE, REMOVE & PROTECT ANY SERVICES TO ALLOW DEMOLITION WORKS TO TAKE PLACE IN ACCORDANCE WITH THE SCOPE OF WORKS.
9. ALL ITEMS OF EQUIPMENT TO BE REMOVED & NOT RE-USED, SHALL BE OFFERED TO THE CLIENT'S REPRESENTATIVE & IF NOT REQUIRED, CONFIRMATION FOR THEIR DISPOSAL SHALL BE OBTAINED FROM THE PROJECT ENGINEER.
10. THE CONTRACTOR SHALL ENSURE THE ACOUSTIC INTEGRITY & FIRE RATING OF WALLS & PARTITIONS, IS MAINTAINED WHERE SERVICES ARE REQUIRED TO PASS THROUGH.

NOTE: IF THIS TEXT IS NOT RED PLEASE PRINT / REQUEST A COLOUR COPY OF THIS DRAWING

DRAWING NOTES

1. EXTERNAL LUMINAIRE CONTROLLED VIA EXTERNAL PHOTOCCELL & A LIGHTING PROGRAMMER WITH SEPARATE DIN RAIL CONTACTOR. PROGRAMMER & CONTACTOR TO BE INSTALLED WITHIN A SUITABLE ENCLOSURE AT A HEIGHT ADJACENT TO THE DISTRIBUTION BOARD TO PERMIT EASE OF ACCESS. EDITED / SIMPLIFIED PROGRAMMING INSTRUCTIONS TO BE INSTALLED ADJACENT WITHIN A WALL MOUNTED NOBO FRAME. REFER TO SPECIFICATION.

CONTRACT

Rev	Description	Date	By
T1	ISSUED FOR TENDER	18.03.24	BGB
C1	ISSUED FOR CONTRACT	17.06.24	BGB

HCC Property Services,
Three Minsters House,
76 High Street, Winchester SO23 8UL
tel: (01962) 847801



PROJECT NAME
PARK LANE PRIMARY SCHOOL
TILEHURST ROAD, READING
(REFURBISHMENT & ALTERATIONS)

SHEET NAME

ELECTRICAL ENGINEERING SERVICES

LUMINAIRE LEGEND

SCALE

NTS

DRAWN

CAD

HKD APRW

BGB

DRAWING No. _____

project code - originator - volume - level - type - role - number version

E05323-ACC-00-DR-E-8901

C

SUITABILITY

code	description
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