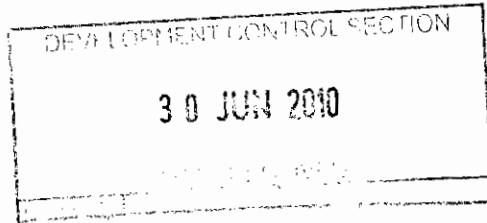


Abacus®

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com



F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
8	HL250D15	HL250 MAST 15M (2 PIECE SHAFT) GALV "Base hinged raising and lowering mast 15 metres mounting height ref: HL25015, complete with flange plate at ground level, base compartment fitted with treated baseboard, earthing screw and flexible conduit between the fixed and lowering sections. Finished hot dipped galvanised to ISO 1461.		
8	FA003G	F/BOLT ASS G/BLT+ C/BRACE TYPE 3 Foundation bolts and cross brace for type 3 foundation assembly.		
8	FC023	FOUNDATION TEMPLATE TYPE 3 Wooden template for type 3 foundation.		
8	HL250BOX/SUPPLY	HL250 BOX (1785X375X308) GALV Galvanised steel control gear box for use with loose gear and for use with the HL250 Mast range.		
2	HL33015	15M HL330 MAST COMPLETE WITH BRACKET POT Base hinged raising and lowering mast 15 metres mounting height complete with a flange		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		plate at ground level. Finished galvanised to ISO 1461.		
2	FA/HL330	FOUNDATION BOLT ASSY HL330 Foundation bolts and cross brace suitable for HL330 mast.		
2	FC/HL330	FOUNDATION TEMPLATE FOR HL330 MAST Wooden template for HL330 foundation.		
2	HL/330/BOX/A998	HL 330 BOX 1500X800X250 WITH FULL B/BD.		
2	SB2	SPORTS LIGHTING BRACKET 2 FLOODS TAP M20 Abacus twin floodlight bracket. Finished galvanised to ISO 1461.		
6	SB4	SPORTS LIGHTING BRACKET 4 FLOODS TAP M20 Abacus four way floodlight bracket, 2 on top & 2 suspended. Finished galvanised to ISO 1461.		
2	SB6	SPORTS BKT 6 FLOODS TAP M20 HL330 ONLY		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		Abacus six way floodlight bracket, 4 on top & 2 suspended. Finished galvanised to ISO 1461.		
40	AL5760	CHALLENGER 1 60DEG FLOODLIGHT RANGE With the following specification:- Gear Supplied: - Ballast, Ignitor & Capacitor; Gear Option: - Loose Gear Supplied; Lamp Supplied: - Yes; Lamp Type: - Osram 2kW; AL5760 Model No: - AL5765; Supply Route: - UK;		
6	HL250S12	HL250 MAST 12M GALV *Base hinged raising and lowering mast 12 metres mounting height ref: HL250S12, complete with flange plate at ground level, base compartment fitted with treated baseboard, earthing screw and flexible conduit between the fixed and lowering sections. Finished hot dipped galvanised to ISO 1461.		
6	FA003G	F/BOLT ASS G/BLT+ C/BRACE TYPE 3 Foundation bolts and cross brace for type 3 foundation assembly.		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
6	FC023	FOUNDATION TEMPLATE TYPE 3 Wooden template for type 3 foundation.		
6	HL250BOX/SUPPLY	HL250 BOX (1785X375X308) GALV Galvanised steel control gear box for use with loose gear and for use with the HL250 Mast range.		
4	SB2	SPORTS LIGHTING BRACKET 2 FLOODS TAP M20 Abacus twin floodlight bracket. Finished galvanised to ISO 1461.		
2	SB4	SPORTS LIGHTING BRACKET 4 FLOODS TAP M20 Abacus four way floodlight bracket, 2 on top & 2 suspended. Finished galvanised to ISO 1461.		
2	CUSTOM-BRACKET	CLAMP ON BRACKET Clamp on bracket to take one floodlight @ 6m		
2	TB060	6M STANDARD COLUMN 140/76 GALV 6 metre root mounted tubular steel column, designed in accordance with EN40. Finished galvanised to ISO 1461.		

Abacus®

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
2	CUSTOM-OTHER	CUBICLE		
2	FL4/1	1 LANT BKT TAP M20 GALV 127 POT Abacus single floodlight bracket. Finished galvanised to ISO 1461.		
16	GRB075KP	M10 X 10 SKT K/PNT G/SCREW S/S		
4	AL5210	ABACUS AL5210 SERIES FLOODLIGHT With the following specification:- Gear Supplied: - Loose Gear Components; Lamp Supplied: - Yes; Lamp Type: - Metal Halide; AL5210 Model No: - AL5216; Supply Voltage: - 240V 50hz; Lamp Wattage: - 1000W;		
16	AL5760	CHALLENGER 1 60DEG FLOODLIGHT RANGE With the following specification:- Gear Supplied: - Ballast, Ignitor & Capacitor; Gear Option: - Loose Gear Supplied; Lamp Supplied: - Yes; Lamp Type: - Osram 2kW; AL5760 Model No: - AL5765; Supply Route: - UK;		
5	TB08.AM1	8M ROOT MTD COL ORION SPIGOT GALV 8 metre root mounted tubular steel column, design in		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+ 44) 01623 511111
Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		accordance with EN40, c/w spigot for AL4000 range lantern. Finish galvanised to ISO 1461.		
5	AL4000	AL4000 SERIES LANTERN RANGE With the following specification:- Colour: - RAL9003; DECOR BAND FOR AL4000 - .; Flex Option: - No flex supplied.; Ignitor Type: - Cut Out Ignitor; Lamp Type - 400w Metal Halide; Gear Option: - Lamp and Gear Supplied; Language Option for AL4000: - English instructions; AL4000 Model No: - AL4001; Trim Colour: - WHITE (STANDARD); Supply Voltage: - 240V 50hz; Mounting Type: - Post Top;		
1	999CAR	DELIVERY CHARGES Delivery to site charges		
8	ERECT250	HL250 MAST INSTALLATION To erect HL250 masts onto prepared foundations previously carried out BY OTHERS. Plant access required to each mast location.		
2	ERECT330	HL330 MAST INSTALLATION To erect HL330 masts onto prepared foundations previously carried out BY		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		OTHERS Plant access required to each mast location.		
40	892ERE	ERECTION-FIT & WIRE FLOODLIGHTS To fit and aim floodlights to the lighting brackets. Price includes for the supply and installation of flexible cable between the floodlights and the mast base.		
10	896ERE	FIT PROTECTION GEAR/EQUIPMENT To supply and install electrical protection equipment and install remote floodlight control gear within the mast control box. Price includes for carrying out cable connections.		
1	DISCUBS	DISTRIBUTION CUBICLE INSTALLATION To supply and install a sheet steel distribution cubicle complete with IP65 Rated door seals. The cubicle is to house a triple pole distribution board complete with suitably sized breakers for the protection of the outgoing circuits to the lighting masts. The cubicle is to be located adjacent to the floodlit area mounted on a concrete plinth constructed BY OTHERS.		
1	893ERE	ERECTION-PITCH CABLING WORK To supply and install SWA feeder cables from the pitch side cubicle out to the lighting mast locations. The		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+ 44) 01623 511111
Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		cables are to be laid within OPEN TRENCHES previously excavated BY OTHERS prior to attendance on site by Abacus operatives. Cable laying and mast erection to be carried out during the same visit to site.		
1	897ERE	FIT SWITCH GEAR/EQUIPMENT To carry out mains electrical connections at the mains supply location. Price assumes that there is sufficient space and capacity within the mains room for our use. A FULL ELECTRICAL SITE SURVEY IS REQUIRED PRIOR TO THIS ITEM BEING A FIXED PRICE ITEM.		
1	893ERE/1	ERECTION-MAINS CABLING WORK To supply and install SWA feeder cables from the pitch side cubicle back to the mains supply location. The cables are to be laid within OPEN TRENCHES previously excavated BY OTHERS prior to attendance on site by Abacus operatives. Cable laying and mast erection to be carried out during the same visit to site.		
1	SWITCHING1	SWITCH EQUIPMENT INSTALLATION To Supply and install key-operated switches within a control box mounted on the side of the pitch side cubicle. The switches are to allow for Reduced level switching for the hockey pitch and		

Abacus®

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		on/off switching for the muga Switching control for the floodlights		
6	ERECT250	HL250 MAST INSTALLATION To erect HL250 masts onto prepared foundations previously carried out BY OTHERS/constructed by Abacus operatives* . Plant access required to each mast location. * DELETE AS NECESSARY		
20	892ERE	ERECTION-FIT & WIRE FLOODLIGHTS To fit and aim floodlights to the lighting brackets. Price includes for the supply and installation of flexible cable between the floodlights and the mast base.		
6	896ERE	FIT PROTECTION GEAR/EQUIPMENT To supply and install electrical protection equipment and install remote floodlight control gear within the mast control box. Price includes for carrying out cable connections.		
1	893ERE	ERECTION-PITCH CABLING WORK To supply and install SWA feeder cables from the pitch side cubicle out to the lighting mast locations. The cables are to be laid within OPEN TRENCHES previously excavated BY OTHERS prior to attendance on site by Abacus operatives. Cable laying and mast erection to be carried out during the same visit to site.		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+ 44) 01623 511111
Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
1	DISCUBS	DISTRIBUTION CUBICLE INSTALLATION To supply and install a sheet steel distribution cubicle complete with IP65 Rated door seals. The cubicle is to house a triple pole distribution board complete with suitably sized breakers for the protection of the outgoing circuits to the lighting masts. The cubicle is to be located adjacent to the floodlit area mounted on a concrete plinth constructed BY OTHERS.		
1	893ERE/1	ERECTION-MAINS CABLING WORK To supply and install SWA feeder cables from the pitch side cubicle back to the mains supply location. The cables are to be laid within OPEN TRENCHES previously excavated BY OTHERS prior to attendance on site by Abacus operatives. Cable laying and mast erection to be carried out during the same visit to site.		
1	897ERE	FIT SWITCH GEAR/EQUIPMENT To carry out mains electrical connections at the mains supply location. Price assumes that there is sufficient space and capacity within the mains room for our use. A FULL ELECTRICAL SITE SURVEY IS REQUIRED PRIOR		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		TO THIS ITEM BEING A FIXED PRICE ITEM.		
1	SWITCHING1	SWITCH EQUIPMENT INSTALLATION To Supply and install key-operated switches within a control box mounted on the side of the pitch side cubicle. The switches are to allow for ON/OFF switching for each tennis court block Switching control for the floodlights		
2	886ERE	ERECTION COLUMNS To attend site and carry out the erection of a 6 metre root mounted lighting mast. The mast is to be erected into a foundation pocket previously constructed BY OTHERS prior to attendance on site by Abacus operatives. Access and suitable hard standing required for plant adjacent to each lighting mast location.		
2	896ERE	FIT PROTECTION GEAR/EQUIPMENT To supply and install electrical protection equipment and install remote floodlight control gear within the mast control box. Price includes for carrying out cable connections.		
5	886ERE	ERECTION COLUMNS To attend site and carry out the erection of a 8metre root mounted lighting mast. The mast is to be erected into a foundation pocket previously constructed BY OTHERS prior to attendance on site by Abacus		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		operatives. Access and suitable hard standing required for plant adjacent to each lighting mast location.		
5	892ERE	ERECTION-FIT & WIRE LANTERNS To fit and aim ORION lanterns. Price includes for the supply and installation of flexible cable between the floodlights and the mast base.		
5	896ERE	FIT PROTECTION GEAR/EQUIPMENT To supply and install electrical protection equipment and install remote floodlight control gear within the mast control box. Price includes for carrying out cable connections.		
1	893ERE	ERECTION-PITCH CABLING WORK To supply and install SWA feeder cables from the pitch side cubicle out to the lighting mast locations. The cables are to be laid within OPEN TRENCHES previously excavated BY OTHERS prior to attendance on site by Abacus operatives. Cable laying and mast erection to be carried out during the same visit to site.		
1	SWITCHING1	SWITCH EQUIPMENT INSTALLATION To Supply and install time clock switching within the af Works Club Building. The switches are to allow for Switching control for the floodlights		
1	LIGHT-COMM	COMMISSIONING OF LIGHTING		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
 Sutton-in-Ashfield, Nottinghamshire
 NG17 5FT England
 Tel: (+ 44) 01623 511111
 Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
 Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
 Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		To attend site and carry out a lighting illumination check to commission the system. Price is based upon the lighting commissioning to be carried out during the same visit to site. If a separate visit is required, additional charges will be allocated.		
1	ELE-COMM	ELECTRICAL TEST & CERTIFICATION OF SYSTEM To carry out final electrical testing and commissioning. Price is based upon the electrical testing and commissioning being carried out during the same visit to site.		
1	880ERE	PRE CONTRACT & CONTRACT PRELIMS All Pre-contract and Contract Period Preliminary Costs PLEASE NOTE THIS QUOTATION ASSUMES APPROPRIATE IS TO BE PROVIDED WITHIN THE A F WORKS SOCIAL CLUB BUILDING ADJACENT TO THE MAIN ENTRANCE		
5	894ERE	INSTALLATION OF EGRESS LIGHTING To supply and install electrical items to allow for one floodlight to remain on for ** minutes after the main floodlights have extinguished to allow for safe egress for the pitch users.		
1	SWITCHING1	EXTRA OVER Extra over to provide switching within		

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+ 44) 01623 511111
Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Qty	Item No.	Description	Unit Price	Ext. Price
		the reception		

██████████ ███ ██████████

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+ 44) 01623 511111
Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

Abacus can offer a comprehensive maintenance programme for your facility, protecting your long term investment, ensuring continued optimum performance and giving you peace of mind over both electrical and structural aspects. For more information please contact the Abacus Maintenance team on maintenance@abacuslighting.com or 01623 518256

OUR PRICE ASSUMES AN ADEQUATE ELECTRICAL MAINS SUPPLY IS AVAILABLE

Extra over: Abacus electrically operated counterbalance unit suitable for the above mast. This may be purchased outright or hired on a daily basis. £ [REDACTED]

Should you wish to place a purchase order against this quotation please state the quote number on correspondence.

VAT will be charged extra at the applicable rate.

Our normal delivery for this product is 4 - 6 weeks (or to meet your reasonable requirements) from receipt of an official order, approval of drawings, or receipt of all necessary information, whichever is the latter. This delivery period will be held for 30 days, thereafter it will depend on our workload at the time of the order, and we reserve the right to amend this figure.

The prices shown in this quotation will be firm for acceptance for 30 days after which we reserve the right to re-quote.

The above prices quoted are strictly nett and our terms are 28 days from date of invoice.
See our terms and conditions of sale on last page.

All lanterns must be aimed utilising the AL5760 aiming device. If it is found that Abacus is requested to attend site and re-aim lanterns then a charge will be agreed prior to any work by Abacus being undertaken.

We recommend that planned maintenance of the counterbalance unit is carried out. These can be returned to our works for checking and testing at a recommended minimum interval of 2 years. Price on application.

Due to the unpredictability of copper prices we are unable to hold our price for the cabling element of the works for any longer than 14 days. Therefore we would ask that you request an updated quotation prior to placement of order.

Restriction of Hazardous Waste Directive July 06 (RoHS)

Abacus Lighting Limited products comply fully with the RoHS Directive.

We as a Company are certified to the ISO14001:2004 Environmental Management Standard.

Abacus[®]

Leaders in lighting

ABACUS LIGHTING LIMITED
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+ 44) 01623 511111
Fax: (+ 44) 01623 552133

Web: www.abacuslighting.com
Email: sales@abacuslighting.com

F.A.O Mr. Frank Fitzgerald
Arcadis AYH PLC

Re: UKS6559 A F Works Athletic Club

Quotation No.: 6006503

Please refer to this quotation number on any further correspondence.

WEEE Directive - Abacus Lighting Limited is a member of Lumicom, the compliance scheme for the Lighting Industry. Our membership number is WEE/KE0073UQ.

GENERAL CONDITIONS OF SALE (UK)

DEFINITIONS

'the Company' 'us' and 'we' means Abacus Lighting Limited

'the Customer' and 'you' means the person or company who enters into contract with the Company

SUPPLY ONLY CONTRACTS

1 All Quotations, Orders received and Acceptances are subject to the BEAMA Conditions of Sale either (A) January 1991 edition in respect of United Kingdom Sales or (AE) February 1993 edition in respect of Export CIF, CFR, CPT and CIP, as amended below

2 Add to Clause 3 (ACCEPTANCE) of Conditions of Sale (A) and to Clause 4 (ACCEPTANCE) of Conditions of Sale (AE and AEC), the following

1 All Quotations, Orders received and Acceptances are subject to the Company's right to change prices ruling at the date of despatch of the goods

2 All prices are based on the cost of materials, labour and transport, and conforming with Statutory requirements applying at the date of the quotation; if between that date and the date on which the goods are despatched, changes occur in those costs, then the prices charged shall be amended to provide for such change

3 Amend Clause 9 (LIABILITY FOR DELAY) of Conditions of Sale (A) and Clause 11 (LIABILITY FOR DELAY) of Conditions of Sale (AE) and (AEC)

1 such that the first paragraph ends " disputes, force majeure or by any cause beyond our reasonable control."

2 Complete the second paragraph of the same clauses " liquidated damages at a rate of 1/2 per cent up to a maximum of 8 per cent of that portion of the price "

4 Add to Clause 11 (DELIVERY) of Conditions of Sale (A)

1 Delivery will be made to the address supplied by the Customer.

2 Carriage at payable by the Customer on all orders unless otherwise agreed in writing for delivery in one consignment to one address by the Company's transport when in the relevant area

5 Replace Clause 13 (TERMS OF PAYMENT) of Conditions of Sale (A)

1 The Company may issue invoices for the goods at the date the goods in whole or in part are ready for despatch or at any other time at the discretion of the Company

2 Payment is to be made within 28 days after the invoice date - 3% interest per month or part thereof will be charged on overdue accounts from the expiry of the said 28 days (or other agreed period) to the date of payment by the Customer

3 No retentions are to be withheld by the Customer unless otherwise agreed

4 Returnable packing cases and timber supports will be charged for if not returned carriage paid within one month

5 Any quantity discount offered relates to one consignment to one address

6 Goods supplied on a 'Sale or Return' basis will be credited in full if received back in good condition within 30 days or other agreed period. The Customer shall pay carriage both ways and any erection and/or dismantling costs. Should the Customer fail to so return the goods they will be deemed sold and invoiced by the Company

6 Replace Clause 13 (TERMS OF PAYMENT) of Conditions of Sale (AE) and (AEC).

1 Payment is to be made within 28 days after the invoice date OR
- for FOB, on presentation of shipping documents in UK, or
- for FCA, upon receipt of notice in writing that the goods have been delivered to the named place, whichever is the earlier.

2 3% interest per month or part thereof will be charged on overdue amounts up to the date of payment

3 If we are unable for want of your instruction to deliver the goods when ready, the goods will be invoiced and notice issued to you that the goods are ready for despatch

7 Add to Clause 14 (STORAGE) of Conditions of Sale (A), (AE) and (AEC) in last line to read

and all charges for storage or demurrage shall be payable by you at 5% of the contract price per month or part thereof. If you do not take delivery and the goods remain in our store for a period exceeding 12 months, we may in our absolute discretion dispose of the goods and account to you for any net proceeds

8 Delete the words "for which we have disclaimed responsibility in writing" from the first paragraph of Clause 15 (DEFECTS AFTER DELIVERY) of Conditions of Sale (A), (AE) and (AEC) and insert the following at end

1 The Customer agrees to examine and satisfy himself as to the quality of the goods. The Company accepts no liability in respect of defects found in the goods unless notified in writing by the Customer within three days of delivery of the goods

2 The Company's liability in respect of defects in specified products manufactured by others is limited to such benefits as the Company may be contractually entitled to from its supplier. The Company shall be under no liability for fitting or installing any replacements of such specified products.

3 Whether or not specified products manufactured by others, the Company shall be under no liability for supplying and/or fitting replacement lamps and/or other components the normal operating life of which may be less than the defects liability period.

Insert new sentence at end of the second paragraph of clause 15 "For the avoidance of doubt this exclusion from liability applies to all direct and consequential costs and losses including those relating to the cancellation, abandonment and/or rearrangement of events, sports fixtures and the like."

9 Delete Clause 18 (PATENTS) of Conditions of Contract (A), (AE) and (AEC)

10 Amend Clause 17 (LIMIT OF CONTRACTOR'S LIABILITY WHILST ON SITE) of Conditions of Sale (A), (AE) and (AEC) so that the end of paragraph (a) reads
" , , whichever is the lesser, and " and in last sentence read " , lost" after the word damage

11 Delete Clause 19 (ARBITRATION) of Conditions of Sale (A), (AE) and (AEC) and any reference thereto in Clause 20

12 RETURN OF GOODS. Save in the case of defective or damaged goods, goods accepted in accordance with the contract cannot be returned without the prior written consent of the Company. The value of any goods returned to the Company without such consent will not be credited to the Customer who shall be liable for any costs incurred in disposing of the goods

SUPPLY AND ERECT CONTRACTS

13 All Quotations, Orders received and Acceptances are subject to the BEAMA Conditions of Supply, Erection & Commission (S+ E) January 1991 edition as amended below

14 Amend Clause 4 DRAWINGS in last sentence to read

"Within a reasonable time (or such other time as we may notify) after receiving such drawings, you shall signify your approval or otherwise"

15 Add to Clause 8 (SITE FACILITIES) new Clause 8(g) "It is always the obligation of the Customer to ensure that an adequate and dedicated power supply available for use at the required time is provided in close proximity to the Plant."

16 Delete the second sentence of Clause 14 (DELIVERY) and insert the following

If by reason of your instructions or lack of instructions we are unable to deliver the Plant when ready we shall be entitled to store the Plant either at our own works or elsewhere, at a charge to you of 5% of the value of the Plant per month or part thereof which shall be added to the Contract Price and paid accordingly, and for the purposes of Clause 20 (Terms of Payment) the Plant shall be deemed to have been delivered. After any such inability to deliver all or part of the Plant for a period exceeding 12 months, we may in our absolute discretion dispose of the Plant and account to you for any net proceeds.

17 Complete Clause 15 (LIABILITY FOR DELAY) so that the second sentence reads,

"The time for such completion shall be extended by a reasonable period if delay in such completion is caused by industrial dispute, force majeure, or by any cause beyond our reasonable control"

Complete the same clause as follows

" liquidated damages at a rate of 1/2 per cent up to a maximum of 5 per cent of that portion of the Contract Price "

18 Delete Clause 16 (PASSING TITLE AND RISK)

17 Amend Clause 17 (LIMITATION OF CONTRACTOR'S LIABILITY WHILST ON SITE) so that the end of paragraph (a) reads

" , , whichever is the lesser, and "

20 Amend Clause 16 so as to name DEFECTS LIABILITY and delete the words " , for which we have disclaimed responsibility in writing within a reasonable time after receipt of your instructions" and amend so that part of the first sentence of the second paragraph reads

" any particular purpose of the Plant and, save for the clause and Clause 17 (Limitation of Contractor's Liability Whilst on Site) "

2 and add to the same clause

The Company's liability in respect of defects in specified products manufactured by others is limited to such benefits as the Company may be contractually entitled to from its supplier. The Company shall be under no liability for fitting or installing any replacements of such specified products.

3 Whether or not specified products manufactured by others, the Company shall be under no liability for supplying and/or fitting replacement lamps and/or other components the normal operating life of which may be less than the defects liability period

21 Amend the first line of Clause 20 (TERMS OF PAYMENT) so it reads "Payment shall be made by you as follows", delete paragraphs (a), (e) and insert

(a) The Company may issue invoices for interim payments on account at its discretion. The final invoice shall be issued after taking over. Payment is due on the invoice date, whether interim or final

(b) The final date for payment is 28 days after the due date - 3% interest per month or part thereof will be chargeable on overdue accounts from the expiry of the said 28 days (or other agreed period) to the date of payment by the Customer. Any withholding notice will be served at least 14 days before the final date for payment

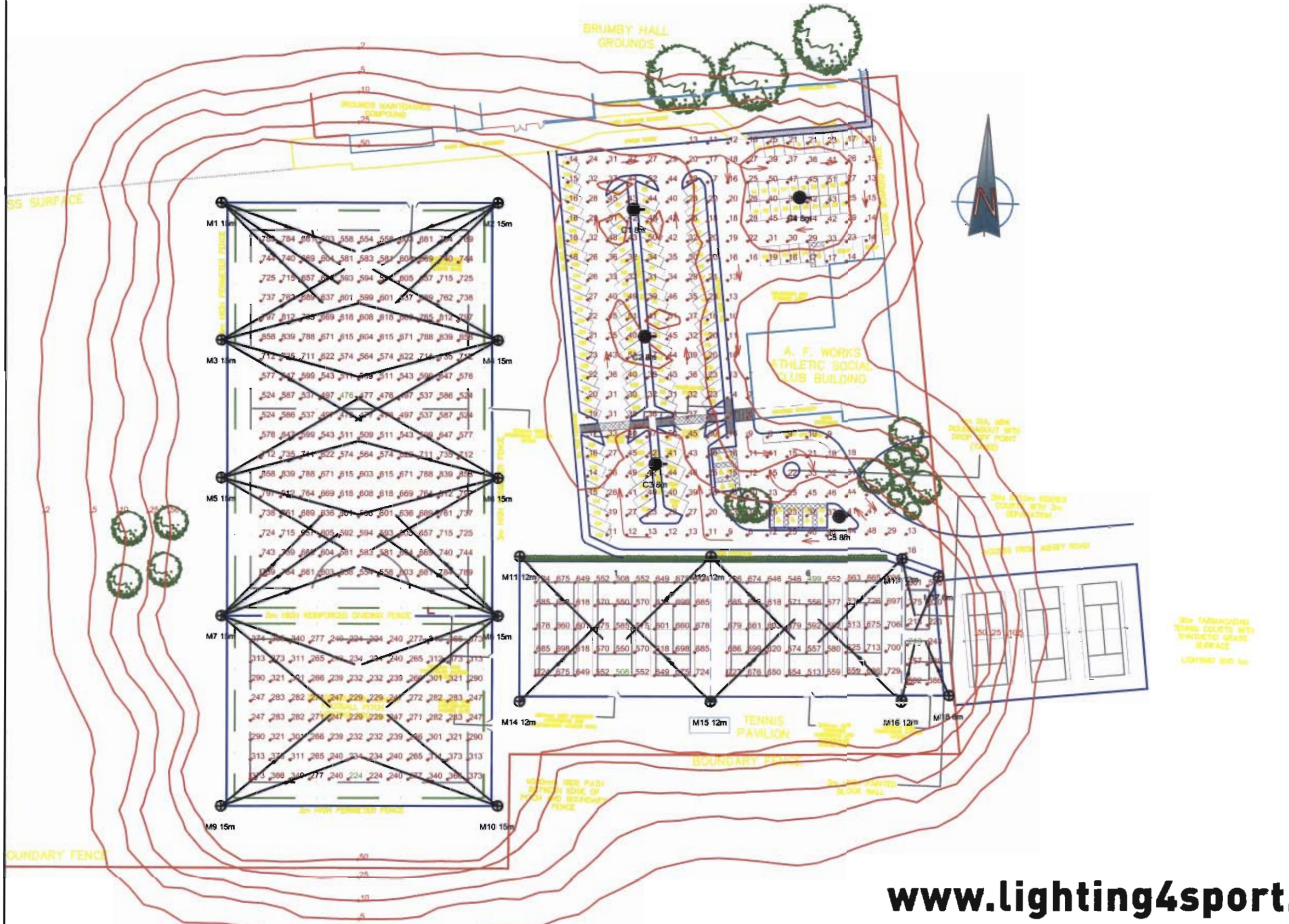
(c) No retentions are to be withheld by the Customer unless otherwise agreed in writing

22 Delete Clause 21 (PATENTS)

23 Delete Clause 22 (ARBITRATION) and reference thereto in Clause 23

BOTH SUPPLY ONLY AND SUPPLY AND ERECT CONTRACTS

24 RISK AND TITLE. The risk in the goods, materials and/or Plant shall pass to the Customer on delivery but the ownership of the same shall remain with the Company until all payments owed to us, including any balances existing at relevant times, are settled. Until then, the Customer shall hold the goods, materials and/or Plant as bailee and shall insure them against loss or damage and store them in such a way that they can be identified as the Company's property and shall keep them separate from the Customer's own property and property of any other person. In the event of non payment the Customer grants the Company an irrevocable licence to affix any premises where its goods, materials and/or Plant are stored in order to repossess them unless they have been subject to prior resale in which case the Company shall be entitled to the proceeds of resale in the hands of the Customer or any Liquidator, Receiver, Administrator or Trustee in Bankruptcy of the Customer. GOODS SPECIFIED. All goods will be supplied as specified, subject to availability. Where specified materials are not available we reserve the right to substitute other materials without notice. SUSPENSION. In the event the Customer fails to pay an invoice in full within the period prescribed for payment under this or any other contract between the parties, the Company reserves the right, subject to 3 days notice, to suspend the delivery of goods or the performance of work (as the case may be) under this contract, until payment is made. The Company similarly reserves the right, subject to 3 days notice, to suspend delivery or performance should the commercially obtainable credit rating of the Customer reduce or any other event occur or information be obtained from which we might reasonably infer that the Customer's creditworthiness is lower than at the date of this agreement. Any costs incurred by the Company in relation to any suspension will be payable by the Customer. TOWN PLANNING. It is always the obligation of the Customer to ensure that any Town Planning permission is obtained for goods, materials or Plant (as the case may be) to be used in the required installed position(s), together with any other statutorily required consents, permission and approvals. The Customer will be liable to the Company for any costs arising from the Customer's lack of compliance. DESIGN. The legal standard required for all our design work will be with due skill and care.



FLOODLIGHTING EQUIPMENT:
 10 x 15m MASTS (M1-M10)
 EACH CARRYING THE FOLLOWING FLOODLIGHTS:
 M1, M2..... 3 x AL5765/2KW/HCI-TS2000WNL
 M3, M4, M5, M6..... 3 x AL5764/2KW/HCI-TS2000WNL
 M7, M8..... 5 x AL5765/2KW/HCI-TS2000WNL
 M9, M10..... 1 x AL5765/2KW/HCI-TS2000WNL

6 x 12m MASTS (M11-M16)
 EACH CARRYING THE FOLLOWING FLOODLIGHTS:
 M11, M14..... 2 x AL5765/2KW/HCI-TS2000WNL
 M12, M15..... 2 x AL5765/2KW/HCI-TS2000WNL
 M13, M16..... 2 x AL5765/2KW/HCI-TS2000WNL
 1 x AL5216/1000W/BI MOUNTED @ 6M

2 x 6m MASTS (M17-M18)
 EACH CARRYING THE FOLLOWING FLOODLIGHTS:
 M17, M18..... 2 x AL5216/1000W/BI

5 x 8m COLUMNS (C1-C5)
 EACH CARRYING THE FOLLOWING LANTERNS:
 C1, C3..... 1 x AL4011/400W/SON-T

LAMPS (OSRAM):
 2KW HCI-TS2000WNL (230 000 INITIAL Lm)
 1000W/BI (230 000 INITIAL Lm)
 400W/SON-T (55 000 INITIAL Lm)

ILLUMINANCE LEVELS:
HOCKEY PITCH:
 INITIAL (100 Hrs)
 E.I.ave = 653 LUX

MAINTAINED (4000 Hrs)
 E.m.ave = 503 LUX

UNIFORMITY
 Emin/Eave = 0.73

FOOTBALL PITCH:
 INITIAL (100 Hrs)
 E.I.ave = 282 LUX

MAINTAINED (4000 Hrs)
 E.m.ave = LUX

UNIFORMITY
 Emin/Eave = 0.79

TENNIS COURTS:
COURTS 1:
 INITIAL (100 Hrs)
 E.I.ave = 631 LUX

MAINTAINED (4000 Hrs)
 E.m.ave = 505 LUX

UNIFORMITY
 Emin/Eave = 0.80

COURTS 2:
 INITIAL (100 Hrs)
 E.I.ave = 645 LUX

MAINTAINED (4000 Hrs)
 E.m.ave = 516 LUX

UNIFORMITY
 Emin/Eave = 0.79

SMALL COURTS:
 INITIAL (100 Hrs)
 E.I.ave = 321 LUX

MAINTAINED (4000 Hrs)
 E.m.ave = 247 LUX

UNIFORMITY
 Emin/Eave = 0.66

CAR PARK:
 INITIAL (100 Hrs)
 E.I.ave = 28 LUX

MAINTAINED (4000 Hrs)
 E.m.ave = 22 LUX

UNIFORMITY
 Emin/Eave = 0.25

GRID VALUES IN LUX
 GRID INTERVAL = 5m
 CONTOUR VALUES IN LUX
 CONTOURS 2.5, 10, 25, 50 LUX

MAINTENANCE FACTOR = 0.80
 BASED UPON:
 DIRT DEPRECIATION FACTOR = 7%
 CLEANING INTERVAL = 12 MONTHS
 LOCATION = MEDIUM POLLUTION
 BULK LAMP REPLACEMENT AT 4000 Hrs
 SPOT LAMP REPLACEMENT UNDERTAKEN

www.lighting4sport.com



Lighting Project: A F WORKS ATHLETIC CLUB Title: EXTERNAL FLOODLIGHTING	
Design Ref: UKS6559/2	Revision(s) From Previous Design:
Design By: JOE WITTON	
Date: 10/06/2010	Scale: 1:750 @ A2
ABACUS LIGHTING LTD. Sutton-in-Ashfield, Nottinghamshire NG17 5FT England Tel: (+44) 01623 511111 Fax: (+44) 01623 552133 Email: light@abacuslighting.com Home page: www.lighting4sport.com	
All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.	