

VNW00002

Equipment:	Ref:	Date:
MUGA ONLY	VAR-VES-XX-XX-TS-E-0019 REV C01	21.08.25
Drawing Ref:	Schedule Ref:	
VAR-VES-ZZ-ZZ-DR-E-9600 C03	N/A	

The Information Enclosed Within This Technical Submission Is Issued for:				
Tender	Information	Comment	Procurement	Construction
☐	☐	☐	☒	☒

Issued to (where applicable):					
Main Contractor	Client	M&E Consultant	O&M Technical Author	Architect.....	Other.....
☒	☐	☒	☐	☒	☐

Information provided encompasses the following elements (where applicable)					
Building Work Requirements	Drainage Requirements	Electrical Requirements	Mechanical Requirements	BMS Requirements	Asset Register / Maintenance Required
☒	☐	☒	☒	☒	☐
Sample	Install Info	Co-ordination Info	O&M Info	Acoustic Info	Other BCO/Fire
☐	☒	☒	☒	☐	☐

Technical Submission:
Introduction:

Technical submission MUGA Pitch Lighting

Please provide your comments on the following proposals:

Confirm acceptance the attached document

Documents 'Enclosed':

 Varley St Externals - MUGA only
 AAZT6SYM1_2025-08-21 Data sheet
 6MO1A 28347-1 Column Data sheet

Compliance/VE statement(s):

The equipment proposed above is compliant with the requirements of the specification.

Notes:

1. Please be advised that in the absence of a response by the 'due date' stated below, it is our intention to proceed with the ordering/installation of the materials/equipment/systems in accordance with the enclosed technical details/quotation(s)/drawings/catalogue pages/sample(s).
2. We believe that we have provided sufficient information for you to fully appraise our proposal(s), however, should you require anything further or would like to meet to discuss/review the enclosed details then please contact us.

Response required by: URGENT

Raised By: Karl Voss

Response: (Please Feel Free To Mark Up Drawings With Any Comments)

A) No Comments

☐

B) Minor Comments

☐

C) Major Comments

☒

D) Rejected

☐
Response Date:
Completed By:
Signed:

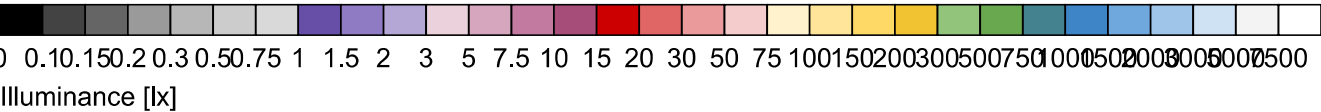
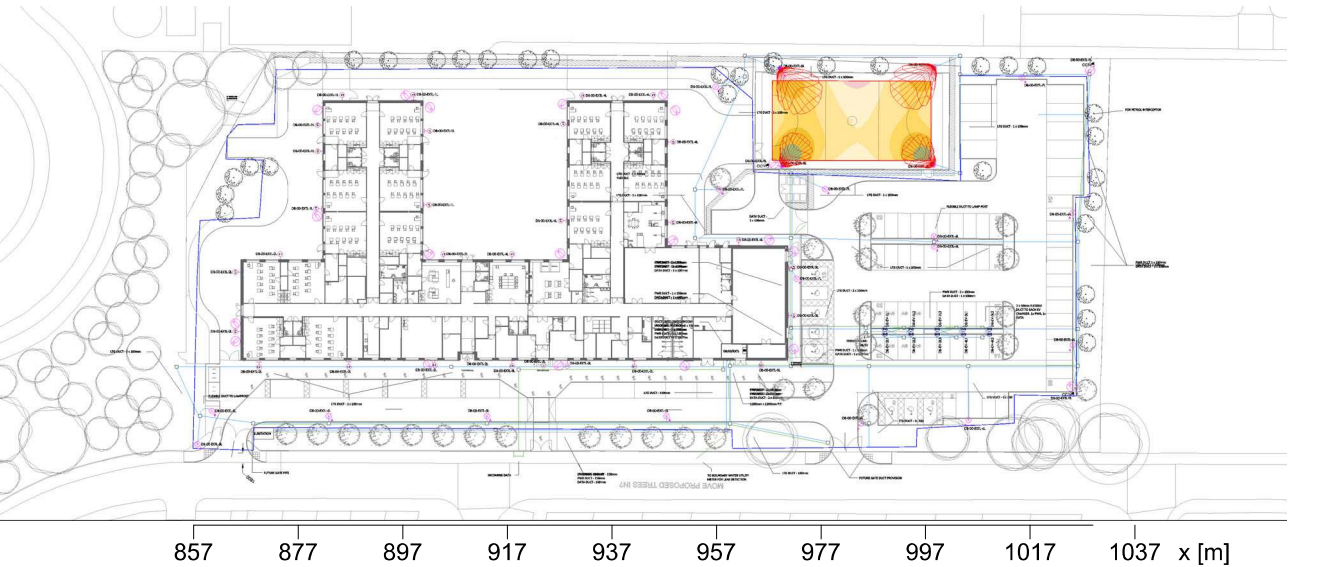
Object :
Installation : External Lighting
Project number : Varley St School
Date : 18.09.2024



2 MUGA Pitch

2.1 Summary, MUGA Pitch

2.1.1 Result overview, MUGA Pitch



General

Calculation algorithm used : Average indirect fraction
Height of evaluation surface : 0.30 m
Maintenance factor : 0.80

Total luminous flux : 226046.406 lm
Total power : 1280 W
Total power per area (11349.83 m²) : 0.11 W/m²

Illuminance

Average illuminance : $\bar{E}_m$: 157 lx
Minimum illuminance : E_{min} : 72 lx
Maximum illuminance : E_{max} : 367 lx
Uniformity U_0 : $E_{min}/\bar{E}_m$: 1:2.17 (0.46)
Diversity U_d : E_{min}/E_{max} : 1:5.07 (0.2)

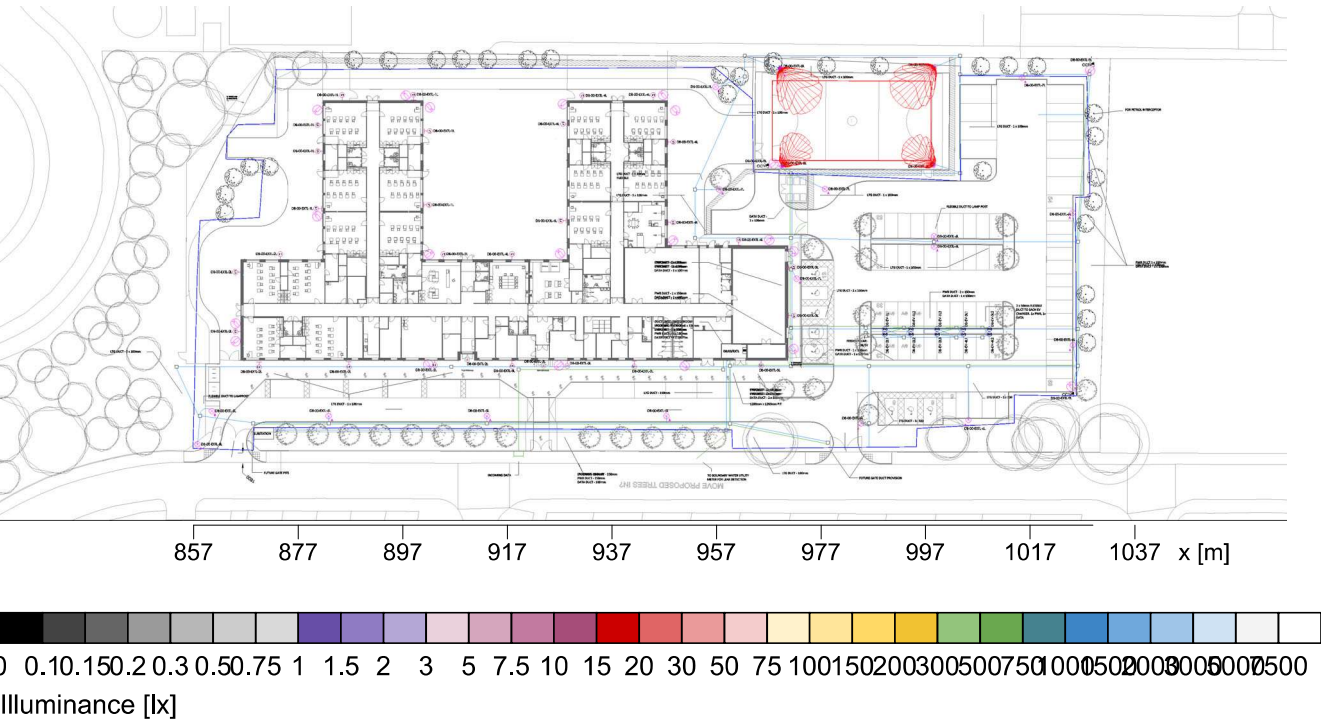
Type No.\Make

7 4 x **ANSELL**
Order No. : AAZT6/ASY/1 (320W 4000K)
Luminaire name : FLOODLIGHTS - Aztec Floodlight Asymetric 4000K
Equipment : 1 x LED 320 W / 56511.6 lm
MOUNTED AT 5M AFFL

Object :
Installation : External Lighting
Project number : Varley St School
Date : 18.09.2024



2.1 Summary, MUGA Pitch
2.1.2 Result overview, Evaluation area 1



General
Calculation algorithm used
Maintenance factor
Average indirect fraction
0.80
Luminaire luminous flux
0.00 lm

Type No.\Make

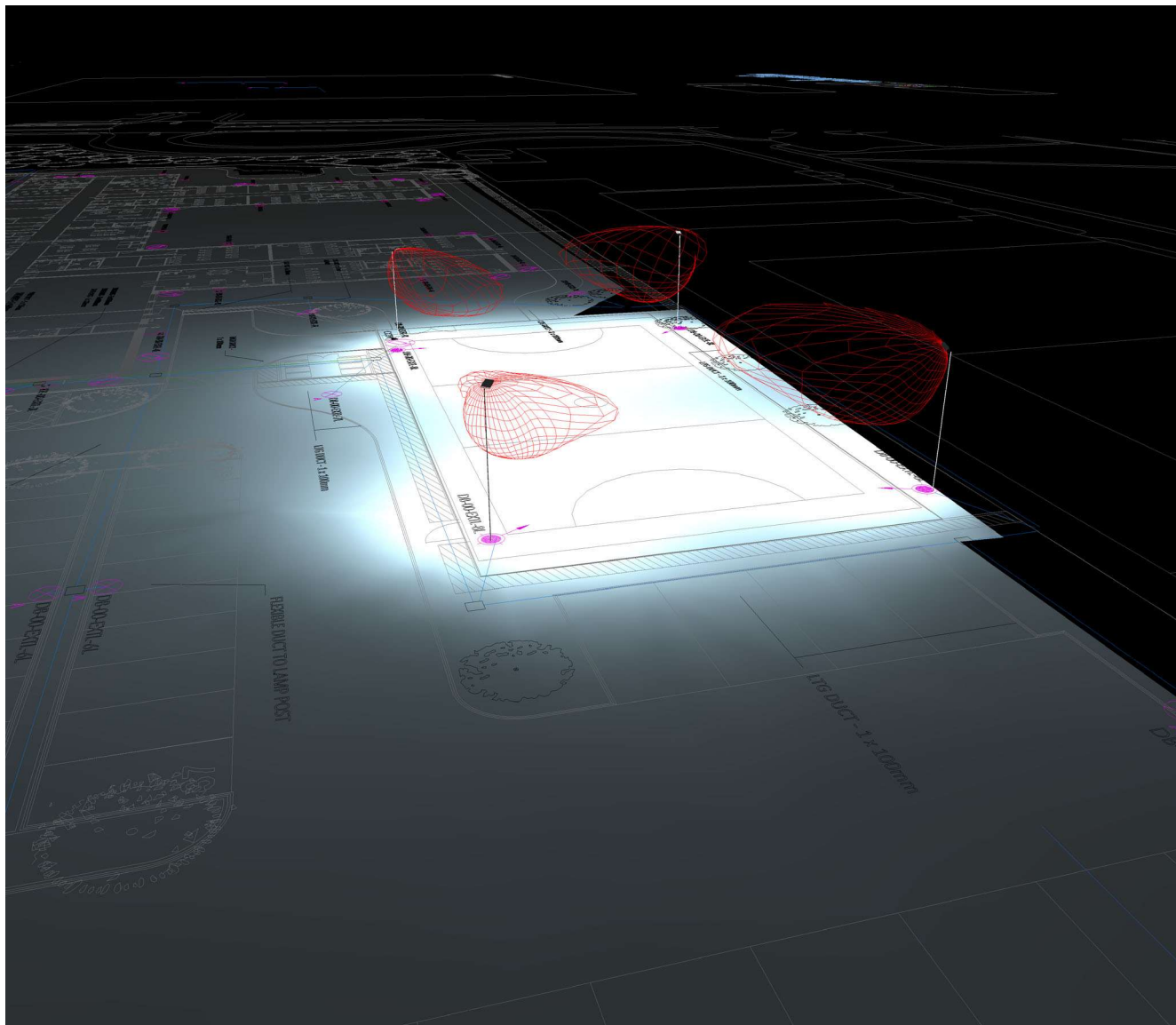
7 4 x **ANSELL**
Order No. : AAZT6/ASY/1 (320W 4000K)
Luminaire name : FLOODLIGHTS - Aztec Floodlight Asymmetric 4000K
Equipment : 1 x LED 320 W / 56511.6 lm
MOUNTED AT AT 5M AFFL

Object :
Installation : External Lighting
Project number : Varley St School
Date : 18.09.2024

2 MUGA Pitch

2.2 Calculation results, MUGA Pitch

2.2.1 3D luminance, View 1

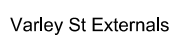


Luminance in the scene

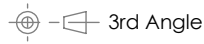
Minimum: : 0 cd/m²
Maximum: : 54.3 cd/m²

The logo for UKLD Lighting Design features the letters 'UKLD' in a large, bold, black sans-serif font. The 'U' has a small orange square above its top left corner. The 'K' has a small orange square above its top right corner. The 'L' has a small orange square above its top right corner. The 'D' has a small orange square above its top right corner. The words 'LIGHTING DESIGN' are written in a smaller, orange, sans-serif font, positioned between the 'K' and the 'D'.

2.2.2 3D pseudo colours, View 1 (E)



Technical Information



Design

BSEN40, PD6547: 2004+A1: 2009 (No sign)

Load class B

Deflection class 3

Head load See Table

Finish

Galvanised to BSEN 1461:2009 and painted Black

Welding

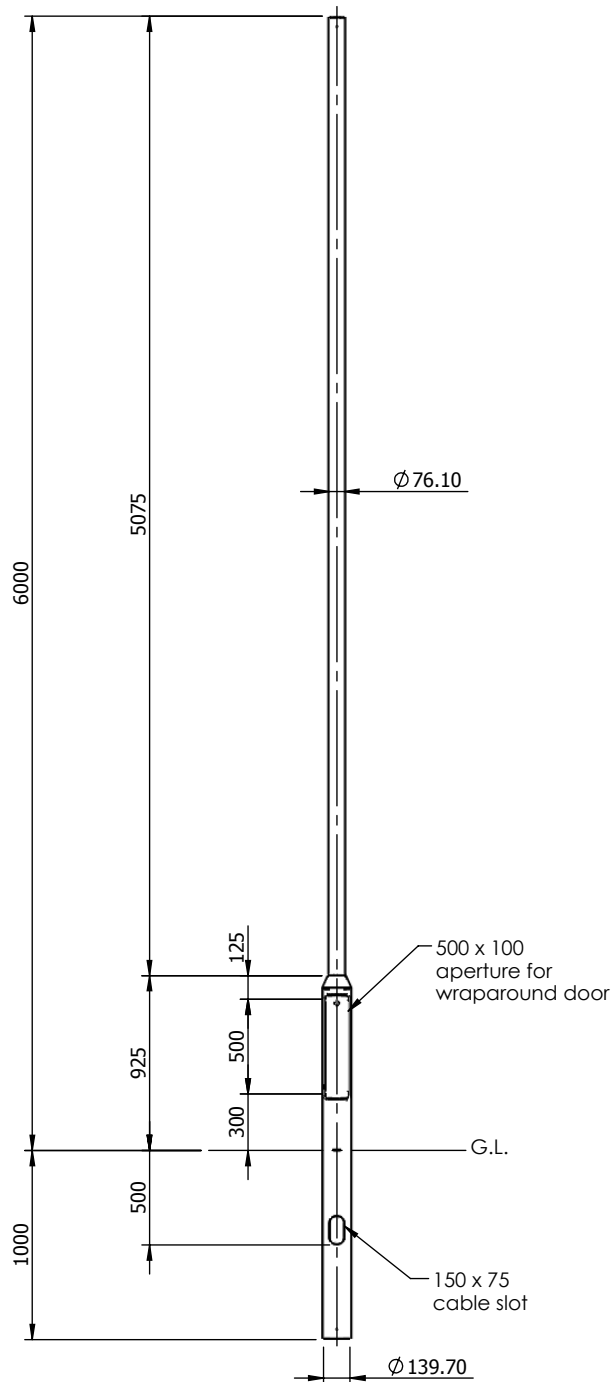
In accordance with BSEN1011

Procedures to BSEN ISO 15614-1:2004

Welders qualified to BSEN 287-1:2011

* Maximum design head load based on wind loading region with orientation of bracket/ luminaire(s) being on same plane as door

MUGA COLUMN



Maximum Loading including Bracket		
Wind Loading Region	Terrain Category	Weight/Area
Extra Light	II	55kg/0.48m ²
	III	60kg/0.63m ²
Light	II	40kg/0.42m ²
	III	60kg/0.53m ²
Medium	II	38kg/0.38m ²
	III	50kg/0.49m ²
Heavy	II	35kg/0.34m ²
	III	45kg/0.44m ²
Extra Heavy	II	30kg/0.25m ²
	III	34kg/0.33m ²

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BEI | lighting
lighting from the ground up

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Notes

All dimensions in millimetres unless stated otherwise.

When Multiple views are shown 3rd Angle Projection is assumed.

Revisions		
Rev.	Description	Date
1	Loading Table Added	21/11/13

Title

6 Metre Tubular Post Top Column

002575

Drg No. 28347-1

Scale:1:40

Sheet 1 of 1

Drawn By: MJB

Chk'd: MB

Ref. 6M01A

Contract:

Customer: BEI

Date: 21/11/2013



MUGA FLOODLIGHT



Application	Commercial, Industrial, Retail
Specification	Performance

Aztec

Aztec 6 320W Symmetric Floodlight

Code: AAZT6/SYM/1



PRODUCT FEATURES

- High performance die-cast aluminium LED floodlight suitable for industrial, commercial and coastal applications
- High output, high efficiency asymmetric lens technology for anti-light pollution (asymmetric versions only)
- Integral photocell with 2 x lux settings and (deleted 'on-') off options
- 10KV surge protection on 120W to 320W, 6KV surge protection on 20W to 80W
- Marine grade construction ideal for coastal and adverse weather, swimming pool and chemical plant applications
- CCT selectable between 3000K, 4000K and 5000K
- Fast fit lever terminals ensure easy and speedy loop-in, loop installation
- Pre-installed breathable gland prevents internal moisture accumulation

GENERAL INFORMATION

Wattage	320W
Lumens Delivered	58000lm (4000K)
Lm/W	180lm/W
Beam Angle	110
CRI	70
CCT	3000/4000/5000
Input	220-240V
Operating Temp	-30°C - 45°C
SDCM	5
UGR	31
Product Weight without Packaging	7.63 kg

TECHNICAL INFORMATION

Light Source	LED
Colour / Finish	Black
IP Rating	IP66
IK Rating	IK08
Class Protection	1
Internal / External	External
Surface / Recessed / Suspended	Surface
Lumen Depreciation	L80 100,000h
Warranty (Years)	7
CE Mark	Yes
Height	80 mm



Application	Commercial, Industrial, Retail
Specification	Performance

Aztec

Aztec 6 320W Symmetric Floodlight

Code: AAZT6/SYM/1

