

Llangatwg Community School

Luminaire Schedule

TROUP
BYWATERS
+ ANDERS

JOB:	Llangatwg Community School
JOB NO.:	WA0347
TITLE:	Luminaire Schedule
DOCUMENT NUMBER:	26CC07-TBA-61-XX-L-E-6301
STATUS:	Stage 3
DATE:	29/05/2025

This document has been authorised by:

Rob Moore
2025.05.30 13:16:15 +01'00'

Kevin Searle
Partner

REV	DCC no.	Comments	Date	Author	Checked
P01		Stage 3 Issue	25/04/2025	JP	KS
P02		Stage 3 - External lighting update	29/05/2025	JP	KS

“This report is confidential and personal to the party for whom it was prepared. No liability is accepted for any third party use of this report”

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
A		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn IQ Wave Modular Recessed LED Luminaire IP44 50000h L90 at 25°C 30W 3200 Lumens 107 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 97 mm
A1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn IQ Wave Modular Recessed LED Luminaire IP44 50000h L90 at 25°C 40W 4250 Lumens 106 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 97 mm
A2		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn IQ Beam Modular Recessed LED Luminaire IP20 50000h L90 at 25°C 30.3W 3800 Lumens 125 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 60 mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
A3		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Moduline Modular Recessed LED Luminaire IP20 50000h L90 at 25°C 29.8 W 4400 Lumens 148 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 33 mm
A4		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Moduline Modular Recessed LED Luminaire IP20 50000h L90 at 25°C 33.8 W 5000 Lumens 148 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 33 mm
A5		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Moduline Modular Recessed LED Luminaire IP20 50000h L90 at 25°C 22.3 W 3200 Lumens 143 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 33 mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
B		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Aquaforce Pro Surface Mounted Linear LED Luminaire IP66 100000h L80 at 25°C 28W 4350 Lumens 155 Luminaire lumens per circuit/Watt 4000 Kelvin 80 1600 x 92 x 90 mm
B1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Aquaforce Pro Surface Mounted Linear LED Luminaire IP66 100000h L80 at 25°C 47.9W 6370 Lumens 132 Luminaire lumens per circuit/Watt 4000 Kelvin 80 1600 x 92 x 90 mm
C		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Chalice Pro Recessed Downlighter IP54 50000h L90 at 25°C 11.6W 1460 Lumens 126 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø223 x 96 mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
C1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Chalice Pro Recessed Downlighter IP54 50000h L90 at 25°C 14.7W 1990 Lumens 135 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø223 x 96 mm
C2		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Chalice Pro (IP65) Recessed Downlighter IP65 50000h L90 at 25°C 14.5W 1990 Lumens 137 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø223 x 96 mm
C3		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Chalice Pro Recessed Downlighter IP65 50000h L90 at 25°C 13.8W 1540 Lumens 112 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø119 x 75 mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
D		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Pro 2 LED Recessed Modular LED Luminaire IP40 50000h L90 at 25°C 29.1W 3800 lumens 131 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 12 mm
D1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Circular Surface mounted LED Luminaire IP44 50000h L70 at 25°C 33W 2649 lumens 80 Luminaire lumens per circuit/Watt 4000 Kelvin 80 400 x 55mm
D2		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Circular Surface mounted LED Luminaire IP44 50000h L70 at 25°C 42W 3374 lumens 80 Luminaire lumens per circuit/Watt 4000 Kelvin 80 500 x 55mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
D3		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Omega Pro 2 LED Recessed Modular LED Luminaire IP40 50000h L90 at 25°C 36W 4450 lumens 124 Luminaire lumens per circuit/Watt 4000 Kelvin 80 597 x 597 x 12 mm
EA		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Voyager Star – Area Optic (Recessed) Recessed Emergency LED (Area Optic) IP20 - 4W 130 lumens 33 Luminaire lumens per circuit/Watt 6500 Kelvin - Ø51 x 94 mm
EA1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Voyager Star – Area Optic (Surface mounted) Surface mount Emergency LED (Area Optic) IP40 - 4W 130 lumens 33 Luminaire lumens per circuit/Watt 6500 Kelvin - 146 x 146 x 34 mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
EB		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Voyager Star – Route Optic (Recessed) Recessed Emergency LED (Route Optic) IP20 - 4W 200 lumens - 6500 Kelvin - Ø85 x 34 mm
EC		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Voyager Twinspot Recessed Emergency LED (Area Optic) IP2X - 3.2W 600 lumens 188 Luminaire lumens per circuit/Watt - - 87 x 280 x 300 mm
EX1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Voyager Solid (Self-Test) Emergency LED Bulkhead Exit Sign IP65 - 2.4W - - 4000 Kelvin - 280 x 130 x 70 mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
EX2		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Voyager Style (Self-Test) Emergency LED Suspended Exit Sign (Double Sided Running Man Legend) IP40 - 7W - - 4000 Kelvin - 265 x 37 x 57 mm
F		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Zumtobel Clean II Recessed Modular LED Luminaire IP65 50000h L90 at 25°C 29.3W 4590 lumens 157 Luminaire lumens per circuit/Watt 4000 Kelvin 80 598 x 598 x 105 mm
FL		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn LED Fit Surface mounted external LED Luminaire IP66, IK07 50000h L70 at 25°C 45W 4300 lumens 96 Luminaire lumens per circuit/Watt 3000 Kelvin 80 181 x 236 x 48mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

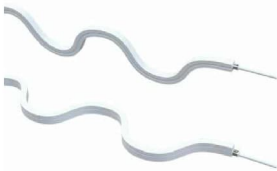
Luminaire Ref	Luminaire Image	Luminaire Specification	
G		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Novaline Style Surface mounted LED Luminaire IP54, IK08 50000h L80 at 25°C 17.6W 2500 lumens 142 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø 397 x 69mm
H		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Zumbtobel Ondaria II Suspended luminaire IP20 50000h L90 at 25°C 118.1W 15760 lumens 133 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø1150 x 85mm
H1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Zumbtobel Ondaria II Suspended luminaire IP20 50000h L90 at 25°C 30.8W 4010 lumens 130 Luminaire lumens per circuit/Watt 4000 Kelvin 80 Ø590 x 85mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
L		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Zumbtobel Craft II Recessed modular LED IP20 100000h L85 at 25°C 98.7W 17460 lumens 177 Luminaire lumens per circuit/Watt 4000 Kelvin 80 518 x 414 x 109mm
MF		Manufacturer: Luminaire: Mystrid Flex length / profile / colour temperature to be configure based on custom requirement.	Thorn Mystrid flex
N		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Zumbtobel Slotlight Wall mount (direct / indirect) modular LED IP20 100000h L95 at 25°C 23.4W 3180 lumens 138 Luminaire lumens per circuit/Watt 4000 Kelvin 80 1024 x 72 x 82mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
N1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Zumbobel Slotlight Wall mount (direct / indirect) modular LED IP20 100000h L95 at 25°C 19.2W 2470 lumens 129 Luminaire lumens per circuit/Watt 4000 Kelvin 80 1500 x 72 x 82mm
P1		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Punch (LRO) Suspended luminaire IP20 70000h L80 at 25°C 29.7W 3705 lumens 125 Luminaire lumens per circuit/Watt 4000 Kelvin 80 1525 x 162 x 50mm
P2		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Equaline Suspended luminaire IP40 50000h L90 at 25°C 26.7W 2540 lumens 95 Luminaire lumens per circuit/Watt 4000 Kelvin 80 1500 x 72 x 88mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
P3		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Equaline Suspended luminaire IP40 50000h L90 at 25°C 53W 5080 lumens 96 Luminaire lumens per circuit/Watt 4000 Kelvin 80 3000 x 72 x 88mm
Q		Manufacturer: Luminaire:	TBD by Interior architect Architectural pendant - TBD
EXA		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Isaro Pro (6m column – folding type - single bracket) LED Narrow Road Lighting Luminaire, on 6 Metre Column IP66 100000h L95 at 25°C 51.1W 7165 lumens 140 Luminaire lumens per circuit/Watt 3000 Kelvin 80 571 x 224 x 114mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
EXB		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Isaro Pro (6m column – folding type - twin bracket) LED Narrow Road Lighting Luminaire IP66 100000h L95 at 25°C 51.1W 7165 lumens 140 Luminaire lumens per circuit/Watt 3000 Kelvin 80 571 x 224 x 114mm
EXC		Manufacturer: Luminaire: Illuminant: Ingress protection: Lifetime: Total power: Total lumens: LL/CW: Colour temperature: CRI: Dimensions:	Thorn Piazza 2 LED Bulkhead LED Luminaire IP65/ IK10 rated L70 60000h 25°C 15.1W 1815 lumens 120 Luminaire lumens per circuit/Watt 3000K 80 381 x 196 x 305 mm
EXD		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Plurio (4m column - single bracket) LED Luminaire (extra wide comfort distribution) IP66, IK08 100000h L95 at 25°C 36W 3921 lumens 109 Luminaire lumens per circuit/Watt 3000 Kelvin 70 Ø564 x 567mm

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

Prepared By	J. Pearce
Checked By	K.Searle

SCHEDULE OF LUMINAIRES

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Luminaire Ref	Luminaire Image	Luminaire Specification	
EXF		Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Total Lumens: LL/CW: Colour Temperature: CRI: Dimensions:	Thorn Plurio (4m column - single bracket) LED Luminaire (radially symmetric distribution) IP66, IK08 100000h L95 at 25°C 36W 4064 lumens 113 Luminaire lumens per circuit/Watt 3000 Kelvin 70 Ø564 x 567mm
EXF1		Specialist Provider / Installer: Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Colour Temperature: CRI:	South West Sports Grounds (Rob Jones: m 01633 880493 email rob@swsogl.co.uk) Philips Asymmetric Opti Vision LED Flood Light Twin surface mounted external LED Luminaire IP66, IK07 50000h L70 at 25°C 2470W per floodlight 3000 Kelvin 80
EXF2		Specialist Provider / Installer: Manufacturer: Luminaire: Illuminant: Ingress Protection: Lifetime: Total Power: Colour Temperature: CRI:	South West Sports Grounds (Rob Jones: m 01633 880493 email rob@swsogl.co.uk) Philips Asymmetric Opti Vision LED Flood Light Twin surface mounted external LED Luminaire IP66, IK07 50000h L70 at 25°C 1650W per floodlight 3000 Kelvin 80

Project Number	WA0347
Project Title	Llangatwg Community School
Service	Electrical

SCHEDULE OF LUMINAIRES

Prepared By	J. Pearce
Checked By	K.Searle

Document Reference	Design Stage	Revision	Date
26CC07-TBA-61-XX-L-E-6301	Stage 3	P01	25/04/2025
26CC07-TBA-61-XX-L-E-6301	Stage 3 – External lighting update	P02	29/05/2025

Notes

1. Manufacturers shown in schedule are the types used for calculations. Any alternative luminaires offered shall have equal photometric output and physical dimensions. Detailed calculations will also need to be provided by the appointed Contractor.
2. Luminaires installed within plasterboard ceilings shall be complete with proprietary support wedges.
3. All luminaires shall be DALI dimmable.
4. Dedicated emergency luminaires and standard luminaires suffixed with an “-/E” annotation on the drawings, shall be c/w with integral, 3-hour, self-test/addressable emergency inverter battery packs, linked to an automated self-test and monitoring system.