

LUMINAIRE LEGEND	
LUMINAIRE REF.	LUMINAIRE TYPE
	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP LOW GLARE SMART (5490lm, 36V, IP40, SMARTSCAN, 4000h) K218989
	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP LOW GLARE SMART (5470lm, 22W, IP40, SMARTSCAN, 4000h) K218989
	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO LOW GLARE SMART (5490lm, 36V, IP40, SMARTSCAN, 4000h) KE18987
	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO LOW GLARE SMART (5470lm, 22W, IP40, SMARTSCAN, 4000h) KE18988
	1570mm LINEAR SURFACE MOUNTED LED LUMINAIRE - THORLUX THORPROOF (3700lm, 22W, IP54, SMARTSCAN, 4000h) TP19775
	1570mm LINEAR SURFACE MOUNTED LED LUMINAIRE - THORLUX THORPROOF (4600lm, 30W, IP54, SMARTSCAN, 4000h) TP19773
	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP OPAL SMART (5330lm, 22W, IP40, SMARTSCAN, 4000h) K218980
	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP OPAL SMART (5250lm, 43W, IP40, SMARTSCAN, 4000h) K218982
	1200mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO OPAL SMART (5330lm, 22W, IP40, SMARTSCAN, 4000h) KE18948
	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO OPAL SMART (5250lm, 43W, IP40, SMARTSCAN, 4000h) KE18950
	320mmØ CIRCULAR SURFACE MOUNTED LED - THORLUX DOT OPAL (SMALL) (1910lm, 14W, IP40, SMARTSCAN, 4000h) DOT18628
	425mmØ CIRCULAR SURFACE MOUNTED LED - THORLUX DOT OPAL (LARGE) (2465lm, 17W, IP40, SMARTSCAN, 4000h) DOT16493
	SUSPENDED PENDANT LED LUMINAIRE - THORLUX DRUM PENDENT (522lm, 8W, IP20, 4000h) HP19285VW

LUMINAIRE LEGEND	
LUMINAIRE REF.	LUMINAIRE TYPE
	TYPICAL DESK LAMP - ARTEMIDE TEMPIO TABLE LAMP
	1516mm SURFACE/SUSPENDED LED LUMINAIRE - THORLUX H-BAR LOW GLARE SMART (2975lm, 30W, IP40, SMARTSCAN, 4000h) HB18987
	1516mm SURFACE/SUSPENDED LED LUMINAIRE - THORLUX H-BAR LOW GLARE SMART (1725lm, 17W, IP40, SMARTSCAN, 4000h) HB18986SS
	1516mm SURFACE/SUSPENDED LED LUMINAIRE - THORLUX H-BAR LOW GLARE SMART (4300lm, 45W, IP40, SMARTSCAN, 4000h) HB18988
	WALL MOUNTED LED EMERGENCY EXIT SIGNAGE WITH ARROW UPWARD - THORLUX LEXI (1.7W, IP40, SMARTSCAN)
	WALL MOUNTED LED EMERGENCY EXIT SIGNAGE WITH ARROW DOWNWARD - THORLUX LEXI (1.7W, IP40, SMARTSCAN)
	SURFACE MOUNTED LED EMERGENCY BULKHEAD 3HR DURATION, NON MAINTAINED - THORLUX MINI-8 (4W, IP65, SMARTSCAN)
	SUSPENDED CONTINUOUS TRUNKING FOR KANBY ZIP LUMINAIRE
	EXTERNAL WALL MOUNTED LUMINAIRE - THORLUX REALTA MICRO (550lm, 6W, IP66, SMARTSCAN, 4000h) WRL1660TL



NOTES:

THIS IS A DESIGN DRAWING NOT AN INSTALLATION DRAWING. DIMENSIONS SHOULD NOT BE SCALED. SITE DIMENSIONS TO BE CHECKED BEFORE PRODUCTION OF CRITICAL MANUFACTURING DRAWINGS. THE DRAWING IS COPYRIGHT AND NO PART MAY BE REPRODUCED WITHOUT WRITTEN CONSENT.

GENERAL LIGHTING NOTES

1.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL AND ELECTRICAL STAGE 2 REPORTS AND ALL RELEVANT LAYOUT DRAWINGS.

2.

FINAL POSITIONS OF ACCESSORIES TO BE AGREED ON SITE.

3.

FINAL QUANTITIES AND LOCATIONS OF LIGHTING CONTROL MODULES SHALL BE DETERMINED AND INCLUDED AS PART OF THE CONTRACTORS DESIGN.

4.

FINAL SETTING OUT OF CEILING MOUNTED SERVICES TO BE CONFIRMED BY ARCHITECT

5.

THE LIGHTING INSTALLATION SHALL BE ADDRESSABLE BACK TO A CENTRAL DATABASE DASHBOARD FOR FAULT FINDING, ENERGY CONSUMPTION AND HOURS OF USE.

6.

PLEASE REFER TO THE MEP SCOPING REPORT FOR DETAILS OF THE LIGHTING CONTROL, TO BE DEPLOYED ON THE BUILDING, IN SUMMARY

a.

THE LIGHTING CONTROL IN THE OFFICES, MEETING ROOMS, SHALL BE ABSENCE DETECTION WITH DAYLIGHT LINKED DIMMING. LIGHTS TO BE MANUALLY SWITCHED ON FROM ENTRANCE AND AUTOMATICALLY SWITCHED OFF AFTER PERIOD OF ABSENCE.

b.

THE LIGHTING CONTROL IN THE ACADEMICS AND POST GRAD AREAS SHALL BE ABSENCE DETECTION WITH DAYLIGHT LINKED DIMMING.

c.

AUTOMATIC PRESENCE DETECTION SHALL BE PROVIDED TO SWITCH LIGHTING IN LITERFORD ROOM, WCs, TEA POINTS, COMMON ROOM, SERVER ROOM AND CIRCULATION SPACES.

7.

ALL LUMINAIRE SHALL BE WHITE IN COLOUR - RAL 9010

8.

SUSPENDED PENDANT DRUM FITTINGS SHALL BE WIRED FROM THE SMARTSCAN HUB LOCAL TO EACH SPACE. THE SMARTSCAN HUBS SHALL BE MOUNTED ABOVE ACOUSTIC BAFFLES SO THEY ARE NOT VISIBLE.

LIGHTING CONTROL LEGEND



PART M COMPLIANT LIGHT SWITCH WITH THORLUX SMART SCAN WIRELESS SWITCH MODULE SS20054



RETRACTIVE LIGHT SWITCH WITH THORLUX SMART SCAN WIRELESS SWITCH MODULE SS20054



'X'g DENOTES NUMBER OF GANGS



SMARTSCAN HUB

Rev

C02

STAGE 4 ISSUE - UPDATED TO SUIT ARCHITECTS C-SHEETS

By: KO Chkd: DH Date: 08.11.24 App: AD

Rev

C01

STAGE 4 CONTRACT ISSUE

By: JN Chkd: DH Date: 16.08.24 App: AD

Status

A4

Description

STAGE 4A COMPLETED

Stage

4

Client

MANCHESTER

1824

The University of Manchester

Project

UNIVERSITY OF MANCHESTER RUTHERFORD BUILDING

Drawing

ELECTRICAL SERVICES
GENERAL & EMERGENCY LIGHTING
FIRST FLOOR
GENERAL ARRANGEMENT LAYOUT

CAD21 LTD

BUILDING SERVICES & ENERGY

CONSULTING ENGINEERS

NEWCASTLE ■ TEESSIDE ■ YORKSHIRE ■ NORTH WEST

Drawing Number

UOMRB-CAD-XX-01-DR-E-63001

Revision

C02

Scale

As indicated

Size

A1

Drawing Origins :

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