

Ref	Manufatura	Luminaire Schedule	Part Number
AD	LIGHTSOURCE	Square downlight diameter 150mm cRI80 3000K 28W 70 degree white bezel white baffle dali	TS1508302870WWDAX
A1D	LIGHTSOURCE	Square downlight diameter 150mm cRI80 4000K 28W 70 degree white bezel matt baffle dali	TS1508402870WMDAX
A2D	LIGHTSOURCE	Square downlight diameter 150mm cRI80 3000K 28W 70 degree white bezel matt baffle dali	TS1508302870WMDAX
A	LIGHTSOURCE	Square downlight diameter 150mm cRI80 3000K 28W 70 degree white bezel white baffle switched	TS1508302870WWSX
BE	LIGHTSOURCE	Square downlight diameter 150mm cRI80 3000K 15W 60 degree white bezel black baffle switched	TS1008301560WBSX
B1D	INTRALIGHTING	Nor RY HE IP20 4800 lm 8.36 W 250-1050 mA 36 V 840 IP20 white	14818022101
B2D	INTRALIGHTING	Square downlight diameter 100mm cRI80 4000K 15W 60 degree white bezel matt baffle dali	TS1008401560WMDAX
B3D	INTRALIGHTING	Square downlight diameter 100mm cRI80 3000K 15W 60 degree white bezel white baffle dali	TS1008301560WWDAX
C	INTRALIGHTING	Nor RY SOP 1050-2100 lm 9-19 W 350-750 mA 26 V 830 IP44 white white	148110212011
F	LINEAUGHT	Decade Double Emission Wall Light 26 W DC	83628W12
GC	LIGHTSOURCE	TRACK SPOT 28W CRI 90 4000K 45 DEGREES CASAMBI	RoxyK.9.40.28.45 B.B.C
G1C	LIGHTSOURCE	TRACK SPOT 28W CRI 90 3000K 45 DEGREES CASAMBI	RoxyK.9.30.28.45 B.B.C
G2	INTRALIGHTING	Trlx C/S 60° 43.669 lm 443 W 840 DALI Black (BK)	1TRX100811380
G3	INTRALIGHTING	Pipes T 100 DECO 3400 lm 28 W 840 DALI 60° black	13051242C02
H	INTRALIGHTING	Kalis C/S 65 SOP 4100 lm 44 W 830 L1405 mm DALI IP43 white	17251181051
J	AUGENTI	MATRIX High Power LED Modules 12W 1220mm 3000K 400mm DALI	2800R/WP50/AB
K	INTRALIGHTING	Line 47 R0134 330 lm 15 W 830 DALI black + susp 1.5m + black cup	16767281122
K1	INTRALIGHTING	Wave Round C/S SOP 6800 lm 69 W 830 D1350 mm DALI IP20 black	12610315302
L1	LINEAUGHT	Roboon 120 LEDsm LED Strip 4x16LED 0.6 Wm 24 V 3000K 3600 lumens 5 Meter Reel IP20 Low surface profile	98568
L2	LINEAUGHT	Roboon Basic 60 LEDsm LED Strip 300 topLED 24 W DC 24 V 4.8 W/m 540 Lum/m in low profile	98012
L3	LINEAUGHT	Roboon Basic 60 LEDsm 3000K IP20 73mm 24W in low profile	98556
M	INTRALIGHTING	Rail Road Black 3000K Dal 3600lm	L1237WD
PD	INTRALIGHTING	Pipes RVSQ RBF 700-1250 lm 5-9 W 150-275 mA 34 V 830 42° IP20 black DALI	1305QOFT1102
R1	INTRALIGHTING	Kalis C/S 65 SOP 3600 lm 33 W 840 L1405 mm DALI IP43 white SUSPENDED	17251191041
R2	INTRALIGHTING	Kalis C/S 65 SOP 3400 lm 33 W 830 L1405 mm DALI IP43 white SURFACE MOUNTED	17251181041
R3	INTRALIGHTING	Roboon Plus LED Strip 11 topLED 96 W DC 24 V 19.6 W/m 0 mm RGBW Surface Profile	99670
R4	INTRALIGHTING	Kalis WDI 65 SOP 3400 + 3500 lm 66 W 830 L1405 mm DALI IP44 white	1KA100842140
RWE	INTRALIGHTING	Kalis WDI 65 SOP 3400 + 3500 lm 66 W 830 L1405 mm DALI IP44 white	17291181041
S	INTRALIGHTING	Pipes S RH 100 DECO 2800 lm 22 W 840 FO 60° white + susp 1.5m + white cup	13053012C010111
S1	INTRALIGHTING	Lona C/S 400 h 100 DPR 2750 lm 25 W 840 FO IP43 white	18272422401
S2	INTRALIGHTING	Lona C/S 400 h 100 DPR 2600 lm 25 W 830 FO IP43 white 10M suspension	18272422301
T	INTRALIGHTING	Kalis W 55 SOP 4300 lm 43 W 830 L1778 mm DALI IP44 white	17381181011
T1	INTRALIGHTING	Kalis W 55 SOP 2950 lm 21 W 830 L845 mm DALI IP44 white	17381181021
T2	INTRALIGHTING	Kalis WDI 65 SOP 3300 + 3500 lm 66 W 840 L2059 mm DALI IP40 white	172911910K1
T3	INTRALIGHTING	Kalis WDI 65SOP 4800+ 5000 lm 90 W 840 L1872 mm DALI IP40 white	172911910J1
U2	STEON	Grader 2x21W LED - 4000K - 5210lm	30-232-052-401
V2	DW WINSOR	DW Windsor Saphora Wall 3000K Medium BeamDark Metallic Grey (DR10)	SEW 16 0700 A5 F D8 EM
V3	STEON	Steon Challenger 2x 17w 4000K 5400lm	30-111-470-405
Y1	INTRALIGHTING	Plea RVT 50A 220 lm 2 W 840 15° IP20 black	19328231002
EM1	MACKWELL	Recessed Emergency Luminaire Tempus DLT	9005967
EX	MACKWELL	Surface Mounted Emergency Exit Sign LED Ringed Design 3h, 2.3w, IP20, 230v, NiCd Battery	9006092
EXA	MACKWELL	Mackwell TEMPUS EXC2 emergency exit sign 230V/3.6V 1A NiCd battery 2.7h LED classed 3h 30min viewing dist	9006093
EXC	MACKWELL	Tempus EXB2 Wall mounted Luminaire IP65	9006133
EMT	MACKWELL	KYLUX TRACK POWER GEAR NIMH 3H Black	9006012
OD1	LINEAUGHT	Kalam Upights 196-264 V array,LED 13 W DC - 14.5 W AC CR1 80	81943W60
OD2	LINEAUGHT	Envelope, W Wall Recessed Path-marker 24 V topLED 7 W 3000K Asymmetric change to 4000K	81291W07
OD4	LINEAUGHT	Orma, C Downlight array,LED 8 W 3000K Medium Flood 24v 1655	81232W30
OD5	LINEAUGHT	Gardener Projections 190-250 V array,LED 8 W DC - 9 W AC	97272N60
OD6	LINEAUGHT	Orma, J Upights array,LED 8 W DC 220 mA CRI 80	80588N60
OD7	LINEAUGHT	Puro, 1 Bolland & Pote 196-264 V topLED 21 W DC - 23 W AC CRI 80	64700N00
OD8	DW WINSOR	Milano Halo 16LED-3x C3 300mA UMSUG 42 0064 0000 100	MIL HA PE 30 C3 300 DB N
OD10	STEON	Challenger 66 LED 2x 36W 4000K	30-112-570-405
OD11	STEON	Challenger 66 LED 1x 17W 4000K	30-101-470-405
OD12	LINEAUGHT	Monia, W Lines 80-265 V topLED 13 W DC - 14.2 W AC CRI 80	93689W07
OD13	LINEAUGHT	Portik, R Ceiling Lights 196-264 V array,LED 33 W DC - 36 W AC	81887N60
OD14	LINEAUGHT	Peak Bolland & Pote 100-240 V array,LED 8.5 W DC - 11 W AC	64792N07
OD18	LINEAUGHT	Perslap DALI Projections 100-277 V array,LED 30 W DC - 33 W AC CRI 80	81544W60
X1E	DW WINSOR	GrandWall Lights 196-264 V 1 array,LED 6.5 W DC - 8 W AC	83615W12
X2E	LINEAUGHT	Quarden 145 Downlights 196-264 V array,LED 13 W DC - 14.1 W AC CRI 80 - With remote Driver and Emergency Gear	ETC0000025896

- Main Telecom incomer
- Black DALI lighting track
- LED ropelight with opal diffuser concealed in recess
- Twin switched 13 Amp socket outlet rated to IP65
- Single 5 Amp socket outlet for table lamp controlled by wall mounted switch, brushed stainless steel finish
- 240v Contactor for external lighting control
- 1 Way lighting switch (n indicates no of gang) brushed stainless steel
- 2 Way lighting switch (n indicates no of gang) brushed stainless steel
- Intermediate lighting switch (n indicates no of gang) brushed stainless steel
- Hand/Off/Auto switch for external lighting
- Wall mounted switch c/w neon indicator. (Must have live & neutral)
- Keyswitches beside Dist.Boards for testing local emergency lighting
- PIR override keyswitch
- Pullcord
- Dimmer switch
- Fused,switched spur outlet fuse size as indicated
- Emergency lighting keyswitch
- Lighting dimmer pack/router. Dimmer units to be matched to type of loads i.e. Inductive, HF Ballast, Capacitive or Adaptive
- Emergency Lighting Static Inverter
- 100mm PVC Duct
- 3 Watt LED open area recessed non-maintained emergency downlight c/w 3hr battery and green charge indicator

- 360° Ceiling mounted presence detector to control common area lighting as Ex-Or silver series lightspot, MS2021PF to control lighting & mechanical extract
- Digital keypad for lighting control
- External lighting timedock
- Distribution Board ref. as indicated
- Main ESB incomer including mainswitch and metering

Emergency light moved to the LHS wall due to clash with door

NOTES:-

1.00 GENERAL NOTES:

- 1.01

The main contractor shall be responsible for employing a qualified and competent electrical sub-contractor to carry out the electrical services installation as indicated on this drawing, and for ensuring that the installation is complete in every respect.
- 1.02

All equipment, wiring accessories, etc. shall be as detailed on the schedule of materials.
- 1.03

The complete electrical installation shall be carried out in accordance with the main contractors overall programme.
- 1.04

The entire electrical works shall be carried out in full compliance with the latest edition of the ETCI wiring regulations and to the satisfaction of the engineer.
- 1.05

All cable routes shall be agreed with the engineer/client on site.
- 1.06

The electrical sub-contractor shall be responsible for the inspection and testing of the completed installation. 2 No copies of the appropriate test certification, "As Installed" drawings, H & S. info, to be enclosed in O & M. manuals", and issued on the day of handover for approval by the engineer. A copy of the complete manuals shall be handed over on compact disc.
- 1.07

All items of equipment to be suitably labelled, and circuit charts provided upon completion of the works.

2.00 GENERAL LIGHTING NOTES:

- 2.01

Luminaire positions shown are approximate only, exact positions are to be agreed with the Client & Architect on site.
- 2.02

All socket outlets, lighting switches and other electrical accessories if on exact opposite sides of the same wall must be staggered so that no back-to-back instances occur.
- 2.03

Upon completion the electrical contractor shall provide a set of inspection, testing and commissioning certificates for the electrical services installation
- 2.04

--- Denotes luminaires wired on the same circuit
- 2.05

--- Denotes luminaires controlled by the same switch
- 2.06

Refer to Schedule of Luminaires for details of luminaires
- 2.07

The emergency lighting installation shall be in accordance with **L.S. 3217**.
- 2.08

Luminaires with the suffix 'e' denotes the fitting is complete with a 3 hour battery pack & inverter.
- 2.09

External lighting shall be wired from a separate distribution board & shall be controlled by a photocell, timeclock & Hand/Off/Auto switch.
- 2.10

Revised Lighting design has been developed by the electrical contractors supplier Lightsource.

H	Lighting PIR added to Toilet Corridor	JD	MB	29.08.23
G	Emergency Lighting Updated as highlighted	JD	MB	05.07.23
F	Emergency Lighting Updated as highlighted	JD	MB	08.06.23
E	Staircore 1 - Lighting updated	JD	MB	21.03.23
D	Recessed perimeter LED Lighting omitted	JD	MB	21.06.22
C	Updated to reflect Contractors lighting proposal	JD	PMcA	24.03.22
B	Revisions clouded as agreed with Architect	GP	TMcP	23.06.21
A	Legend changed to reflect lighting updates	GP	TMcP	28.04.21
REV	DESCRIPTION	DRN	CKD	DATE

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MONAGHAN COUNTY COUNCIL	
PROJECT	
MONAGHAN, COMMUNITY PEACE CAMPUS	
PROJECT No.	DRAWING No.
3164	E02H
DRAWING TITLE	
LEVEL GENERAL & EMERGENCY LIGHTING INSTALLATION	

DATE	SCALE	DRAWN	CHECKED
JUL '20	1:100	GP	MB