

Into Lighting Ltd
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Project: Outernet
Project No: 14024
Location: London

Lighting Specification Document

Revision: A

Revisions

A - LED Tape references changed to suit latest details

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Project Outernet
 Project number 14024

Luminaire details

INTO reference	A		
Description	Surface mounted fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	90	mm	
Height	225	mm	
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	Lift Lobby to all floors & Corridors to Mezz and Basement		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSFLL60.224D25-H - 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	700mA
Wattage	25W
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

Guide fitting image



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Luminaire details

INTO reference	A1		
Description	Surface mounted fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	90	mm	
Height	225	mm	
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	GF Stair landing & Corridor to Mezz		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSFLL35.224D25-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	700mA
Wattage	25W
Beam angle (degree)	35
Colour Kelvin	2700
CRI	90

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Luminaire details

INTO reference	B
Description	Track mounted adjustable downlight
IP rating (if applicable)	N/A
Dimensions:	
Diameter	60 mm
Height	200 mm

Control gear (1)	Qty 1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			

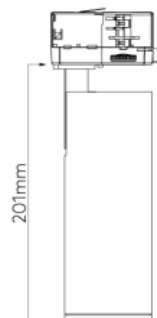
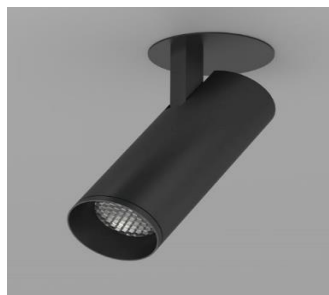
Accessories (if applicable)	Qty 1	Honeycombe	Qty	Qty
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Colour / Material	Black
Location	GF, Mezz & Basement illumination
Notes	N/A

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSASL45.224C12T5-H
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	45
Colour Kelvin	2700
CRI	90

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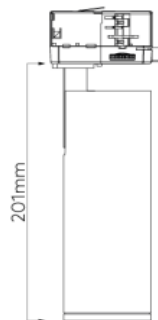
Luminaire details

INTO reference	B1		
Description	Track mounted adjustable downlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	60 mm		
Height	200 mm		
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	
Colour / Material	Black		
Location	Mezz & Basement Bar and Midfloor illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSASL35.224C12T5-H
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	35
Colour Kelvin	2700
CRI	90

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Luminaire details

INTO reference	B2
Description	Track mounted adjustable downlight
IP rating (if applicable)	N/A
Dimensions:	
Diameter	60 mm
Height	200 mm

Control gear (1)	Qty		
Control gear (2)	1	Integral electronic transformer	Dimmable: DALI
Notes			Dimmable:

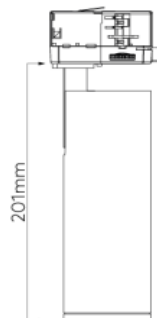
Accessories (if applicable)	Qty		Qty		Qty
	1	Honeycombe			

Colour / Material	Black
Location	Basement Keg illumination
Notes	N/A

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSASL60.224C12T5-H
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

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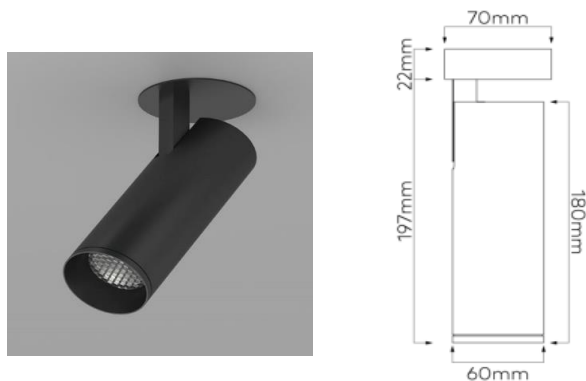
Luminaire details

INTO reference	C		
Description	Surface mounted adjustable spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	60 mm		
Height	220 mm		
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	Main staircase landing illumination / Music Venue stair illumination		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSASL60.224C12S-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

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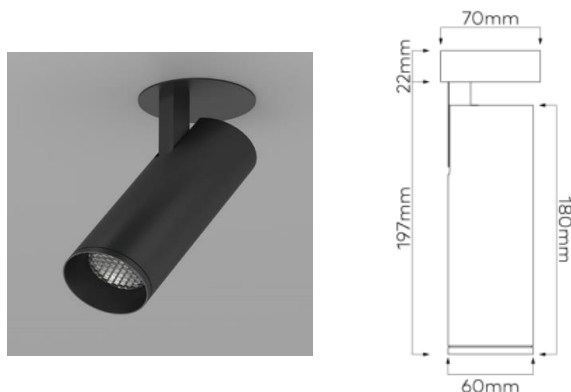
Luminaire details

INTO reference	C1		
Description	Surface mounted adjustable spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	60 mm		
Height	220 mm		
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	GF Forge General illumination - mounted to beams		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSASL35.224C12S-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	35
Colour Kelvin	2700
CRI	90

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Luminaire details

INTO reference	D		
Description	Surface mounted adjustable spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	60	mm	
Height	153	mm	
	Qty		
Control gear (1)			Dimmable: MAINS TRAILING
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1 Snap on Honeycombe	1 Snap on 60degree lens	1 Besa box lid
Colour / Material	Black		
Location	GF / LGF Bar illumination		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	GU10
Current / Voltage	350mA
Wattage	240V
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

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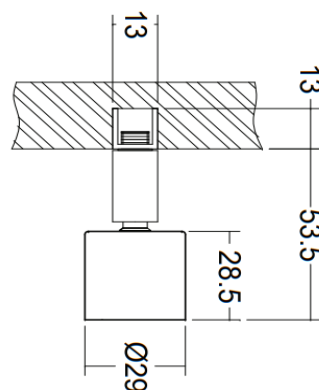
Luminaire details

INTO reference	F		
Description	U Channel mounted adjustable miniature spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	29 mm		
Height	53.5 mm		
	Qty		
Control gear (1)	1 Remote LED Driver		Dimmable: DALI
Control gear (2)			Dimmable:
Notes	Wired in Series		
	Qty	Qty	Qty
Accessories (if applicable)	1 13x13mm U channel		
Colour / Material	Black		
Location	GF Gantry - Bar top illumination		
Notes	Delivered fixed into U channel cut to size for gantry detail		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	700mA
Wattage	2.4W
Beam angle (degree)	31
Colour Kelvin	2200
CRI	90

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Luminaire details

INTO reference G
 Description Surface mounted adjustable spotlight
 IP rating (if applicable) N/A

Dimensions:

Diameter 60 mm
 Height 119 mm
 Projection 117 mm

Qty
 Control gear (1) 2 Remote LED Driver (runs 1-3 fittings)
 Control gear (2)
 Notes

Dimmable: DALI

Dimmable:

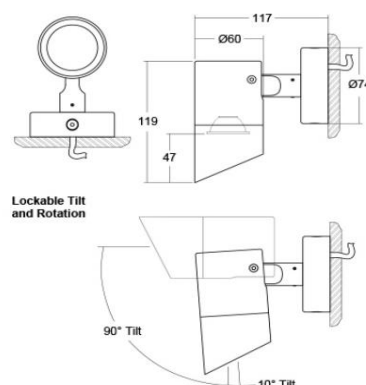
Accessories (if applicable) Qty Qty Qty
 1 Cowl

Colour / Material Black
 Location GF Forge Ceiling illuminaiton
 Notes Wired in Series

Lamp details

Manufacturer (if applicable) N/A
 Product ref (if applicable) N/A
 Lamp type LED
 Lampholder N/A
 Current / Voltage 700mA
 Wattage 10W
 Beam angle (degree) 54
 Colour Kelvin 2200
 CRI 90

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Luminaire details

INTO reference	J
Description	Suspended linear LED tube fitting x 29
IP rating (if applicable)	N/A
Dimensions:	
Diameter	50 mm
Length	1550 mm

	Qty		
Control gear (1)	10	Remote LED Driver (runs 1-3 fittings)	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			

	Qty	Qty	Qty
Accessories (if applicable)	1	1m horizontal suspension kit	
Colour / Material		Chrome / Opal	
Location		Mezz WCs / B1 WCs	
Notes			

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	240V
Wattage	35W
Beam angle (degree)	N/A
Colour Kelvin	3000
CRI	90

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Luminaire details

INTO reference	LED3.01		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 0	Detail dimensions: EXISTING LED - DRIVERS ONLY
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	4	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	4	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty	Qty	Qty
Accessories (if applicable)			
Colour / Material	N/A		
Location	Existing LED to Atrium detail		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	N/A
Lampholder	N/A
Current / Voltage	N/A
Wattage	N/A
Beam angle (degree)	N/A
Colour Kelvin	N/A
CRI	N/A

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Luminaire details

INTO reference	LED3.02		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 7950mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4
		2m Profile mount	Qty
			4
		2m Profile diffuser	
Colour / Material	N/A		
Location	Front Bar nosing illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.03		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 1 x 5470mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	3	2m Profile base	Qty
			3 2m Profile mount
			Qty
			3 2m Profile diffuser
Colour / Material	N/A		
Location	Front Bar working light illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.05		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 1 x 5200mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	3	2m Profile base	Qty 3 2m Profile mount
			Qty 3 2m Profile diffuser
Colour / Material	N/A		
Location	Music Venue DJ Booth Nosing		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.06		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 6850mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4 2m Profile mount
			Qty
			4 2m Profile diffuser
Colour / Material	N/A		
Location	Dive Bar nosing illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.07		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 1 x 4700mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	3	2m Profile base	Qty
			3 2m Profile mount
			Qty
			3 2m Profile diffuser
Colour / Material	N/A		
Location	Dive Bar working light illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.10		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 7500mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4
		2m Profile mount	Qty
			4
		2m Profile diffuser	
Colour / Material	N/A		
Location	Music Venue Bar nosing illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.11		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 1 x 6500mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	3	2m Profile base	Qty
			3 2m Profile mount
			Qty
			3 2m Profile diffuser
Colour / Material	N/A		
Location	Music Venue Bar working illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.12		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 3	Detail dimensions: Approx 1 x 14000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	7	2m Profile base	Qty
			7 2m Profile mount
			Qty
			7 2m Profile diffuser
Colour / Material	N/A		
Location	Music Venue Bar shelving illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
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Luminaire details

INTO reference	LED3.13		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 1 x 10000mm / 2 x 2000mm / 5 x 1500mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	10	2m Profile base	10 2m Profile mount
	Qty		
Colour / Material	N/A		
Location	Music Venue step illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.16		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 7	Detail dimensions: Approx 1 x 35000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	4	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	4	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	18	2m Profile base	18 2m Profile mount
	Qty		
Colour / Material	N/A		
Location	Ballustrade drink shelf illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.18		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 1 x 2250mm / 1 x 7900mm / 1 x 5600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	8	2m Profile base	Qty
			8 2m Profile mount
			Qty
			8 2m Profile diffuser
Colour / Material	N/A		
Location	Cocktail Bar nosing illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.19		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 10,600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	6	2m Profile base	Qty
			6 2m Profile mount
			6 2m Profile diffuser
Colour / Material	N/A		
Location	Cocktail Bar working illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.20		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 3	Detail dimensions: Approx 1 x 2800mm / 1 x 9000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	3	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	3	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	7	2m Profile base	Qty
			7 2m Profile mount
			Qty
			7 2m Profile diffuser
Colour / Material	N/A		
Location	Cocktail Bar Bottlestep illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.22		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 2700mm / 1 x 1800mm / 1 x 1600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4 2m Profile mount
			Qty
			4 2m Profile diffuser
Colour / Material	N/A		
Location	VIP Lounge Bar Working illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.23		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 3	Detail dimensions: Approx 3 x 5000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	9	2m Profile base	Qty
			9 2m Profile mount
			Qty
			9 2m Profile diffuser
Colour / Material	N/A		
Location	VIP Lounge Bar Shelving illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.26		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 1 x 16600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	9	2m Profile base	Qty
			9 2m Profile mount
			Qty
			9 2m Profile diffuser
Colour / Material	N/A		
Location	Interactive Bar working illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.27		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 10600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	6	2m Profile base	Qty
			6 2m Profile mount
			Qty
			6 2m Profile diffuser
Colour / Material	N/A		
Location	Keg Bar nosing illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.28		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 10600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	6	2m Profile base	Qty
			6 2m Profile mount
			6 2m Profile diffuser
Colour / Material	N/A		
Location	Keg Bar working illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.29		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 2 x 9700mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	10	2m Profile base	10 2m Profile mount
	Qty		
Colour / Material	N/A		
Location	Keg Bar bottlestep illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.30		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 4 x 1550mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4
		2m Profile mount	Qty
			4
		2m Profile diffuser	
Colour / Material	N/A		
Location	VIP WC Mirror illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.31		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 1 x 1550mm / 4 x 400mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	2	2m Profile base	Qty
			2 2m Profile mount
			Qty
			2 2m Profile diffuser
Colour / Material	N/A		
Location	Green room shelving illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.32		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 4 x 1300mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4
		2m Profile mount	Qty
			4
		2m Profile diffuser	
Colour / Material	N/A		
Location	Performers WC Mirror illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.33		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 1	Detail dimensions: Approx 1 x 1550mm / 4 x 400mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	2	2m Profile base	Qty
			2 2m Profile mount
			Qty
			2 2m Profile diffuser
Colour / Material	N/A		
Location	Performers Lounge shelving illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.34		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 7700mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	4	2m Profile base	Qty
			4
		2m Profile mount	Qty
			4
		2m Profile diffuser	
Colour / Material	N/A		
Location	VIP Lounge Bar nosing illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.35		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 8	Detail dimensions: Approx 6 x 6100mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	6	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	6	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	19	2m Profile base	Qty 19 2m Profile mount
	Qty		
Colour / Material	N/A		
Location	Mainstaircase Glass wall LED details		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.40		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 7	Detail dimensions: Approx 1 x 35000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	4	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	4	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	18	2m Profile base	Qty
			18 2m Profile mount
			18 2m Profile diffuser
Colour / Material	N/A		
Location	Ballustrade illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.41		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 9600mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	1	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	1	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	5	2m Profile base	Qty
			5 2m Profile mount
			Qty
			5 2m Profile diffuser
Colour / Material	N/A		
Location	Tech Booth Exterior illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED3.42		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 1 x 19,000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	9	2m Profile base	Qty
			9
		2m Profile mount	Qty
			9
		2m Profile diffuser	
Colour / Material	N/A		
Location	VIP Lounge Banquette seating		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED4.01		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 8	Detail dimensions: Approx 3 x 2800mm / 3 x 9000mm
Profile height	9	mm	
Profile width	18	mm	
	Qty		
Control gear (1)	4	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	4	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	18	2m Profile base	Qty
			18 2m Profile mount
			18 2m Profile diffuser
Colour / Material	N/A		
Location	Cocktail Bar Shelving illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED4.02		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 2 x 9700mm
Profile height	9	mm	
Profile width	18	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	10	2m Profile base	10 2m Profile mount
	Qty		
Colour / Material	N/A		
Location	Keg Bar Bar Shelving Uplight		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED4.03		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 2 x 9700mm
Profile height	9	mm	
Profile width	18	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty	Qty	Qty
Accessories (if applicable)	10 2m Profile base	10 2m Profile mount	10 2m Profile diffuser
Colour / Material	N/A		
Location	Keg Bar Bar Shelving Downlight		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED4.04		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 2 x 9700mm
Profile height	9	mm	
Profile width	18	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty	Qty	Qty
Accessories (if applicable)	10 2m Profile base	10 2m Profile mount	10 2m Profile diffuser
Colour / Material	N/A		
Location	Keg Bar Bar Shelving Rear light		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2000K
CRI	90

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Luminaire details

INTO reference	LED5.01		
Description	Suspended mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	10000 mm x 2	Detail dimensions: Approx 2x 10,00mm	
	Qty		
Control gear (1)	2 Remote 24V 150W PSU		Dimmable: N/A
Control gear (2)	2 Remote 24V 192W Driver		Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty	Qty	Qty
Accessories (if applicable)			
Colour / Material	N/A		
Location	Rope Light illumination suspended from Froge Beams		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	9W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	N/A
CRI	N/A

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Luminaire details

INTO reference	LED6.01		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 1 x 5700mm / 1 x 4000mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	5	2m Profile base	Qty
			5 2m Profile mount
			Qty
			5 2m Profile diffuser
Colour / Material	N/A		
Location	Mezz WC Handryer illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2700K
CRI	90

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Project Outernet
 Project number 14024

Luminaire details

INTO reference	LED6.02		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 6	Detail dimensions: Approx 4 x 4500mm / 2 x 3200mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	3	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	3	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	16	2m Profile base	Qty
			16 2m Profile mount
			16 2m Profile diffuser
Colour / Material	N/A		
Location	Mezz WC Trough illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2700K
CRI	90

Guide fitting image



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Luminaire details

INTO reference	LED6.03		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 2	Detail dimensions: Approx 2x 3200mm / 1 x 1800mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	2	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	2	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty	Qty	Qty
Accessories (if applicable)	2	2m Profile base	2 2m Profile mount
			2 2m Profile diffuser
Colour / Material	N/A		
Location	B1 WC Hand dryer illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2700K
CRI	90

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Luminaire details

INTO reference	LED6.04		
Description	Surface mounted linear LED tape		
IP rating (if applicable)	IP65		
Dimensions:			
LED tape reel length	5000	mm x 4	Detail dimensions: Approx 4 x 3150mm / 2 x 1750mm
Profile height	20	mm	
Profile width	20	mm	
	Qty		
Control gear (1)	3	Remote 24V 150W PSU	Dimmable: N/A
Control gear (2)	3	Remote 24V 192W Driver	Dimmable: DALI
Notes	Please refer to appendix 01		
	Qty		
Accessories (if applicable)	10	2m Profile base	10 2m Profile mount
	Qty		
Colour / Material	N/A		
Location	B1 WC Trough illumination		
Notes	N/A		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	24V
Wattage	13.2W per metre LED
Beam angle (degree)	N/A
Colour Kelvin	2700K
CRI	90

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Project Outernet
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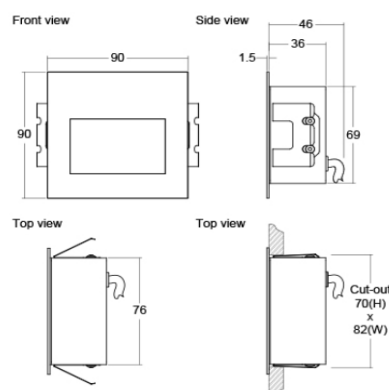
Luminaire details

INTO reference	R		
Description	Recessed step light		
IP rating (if applicable)	N/A		
Dimensions:			
Cut out	70x82 mm		
Depth	46 mm		
Bezel	90x90 mm		
	Qty		
Control gear (1)	2 Remote LED Driver (runs 1-4 fittings)		Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)			
Colour / Material	Black		
Location	Mezz standing area step illumination		
Notes	Wired in Series		

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	500mA
Wattage	7W
Beam angle (degree)	N/A
Colour Kelvin	2200
CRI	90

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Project Outernet
 Project number 14024

Luminaire details

INTO reference	N		
Description	Suspended fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	60	mm	
Height	180	mm	
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
			1 1000mm flex
Colour / Material	Black		
Location	Mezz / B1 Green Room illumination		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSSSL60.224C12S-L180-W10-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
 Project number 14024

Luminaire details

INTO reference P
 Description IP44 Recessed Plaster in fixed downlight
 IP rating (if applicable) N/A

Dimensions:

Cut out 81 mm
 Depth 95 mm
 Bezel 85 mm

Qty
 Control gear (1) 1 External LED Driver
 Control gear (2)
 Notes

Dimmable: DALI

Dimmable:

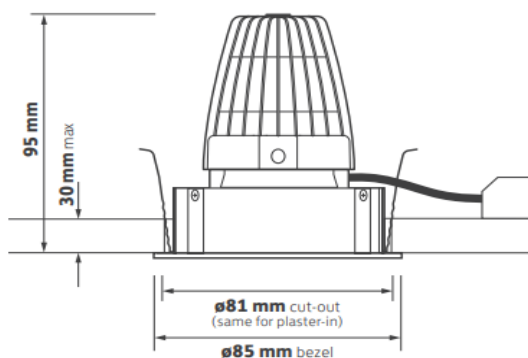
Accessories (if applicable) Qty Qty Qty

Colour / Material **Black Baffle**
 Location WC Cubicles / DDA / Green Room WCs / Green Room Shower illumination
 Notes

Lamp details

Manufacturer (if applicable) N/A
 Product ref (if applicable) N/A
 Lamp type LED
 Lampholder N/A
 Current / Voltage 240V
 Wattage 8W
 Beam angle (degree) 40
 Colour Kelvin 2700
 CRI 90

Guide fitting image



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Project Outernet
 Project number 14024

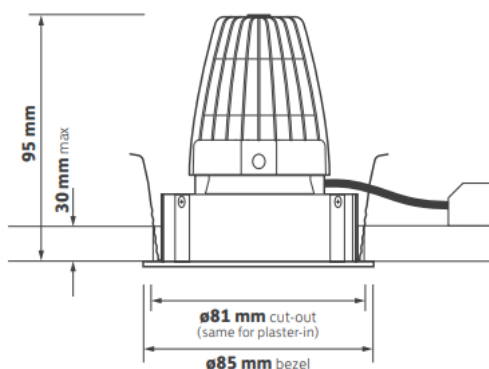
Luminaire details

INTO reference	Pem		
Description	IP44 Recessed Plaster in fixed downlight		
IP rating (if applicable)	N/A		
Dimensions:			
Cut out	81	mm	
Depth	95	mm	
Bezel	85	mm	
	Qty		
Control gear (1)	1	External LED Driver	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	DALI self test	
		Emergency conversion	
Colour / Material	Black Baffle		
Location	WC Cubicles / DDA illumination		
Notes			

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	240V
Wattage	8W
Beam angle (degree)	40
Colour Kelvin	2700
CRI	90

Guide fitting image



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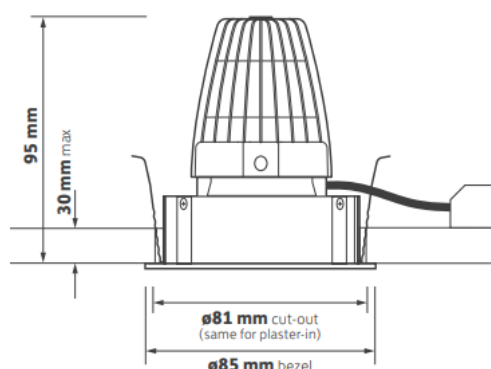
Luminaire details

INTO reference	P1		
Description	IP44 Recessed Plaster in fixed downlight		
IP rating (if applicable)	N/A		
Dimensions:			
Cut out	81	mm	
Depth	95	mm	
Bezel	85	mm	
	Qty		
Control gear (1)	1	External LED Driver	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)			
Colour / Material	Black Baffle		
Location	Mezz Green Room Shower illumination		
Notes			

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	240V
Wattage	8W
Beam angle (degree)	40
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
 Project number 14024

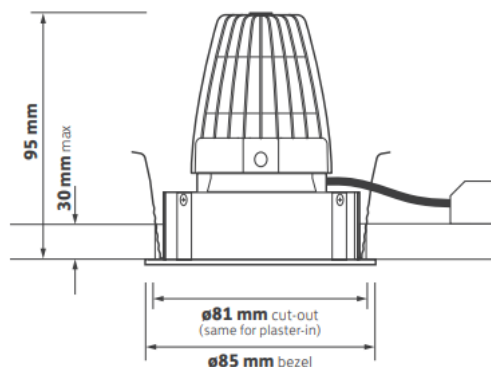
Luminaire details

INTO reference	P1 ^{em}		
Description	IP44 Recessed Plaster in fixed downlight		
IP rating (if applicable)	N/A		
Dimensions:			
Cut out	81	mm	
Depth	95	mm	
Bezel	85	mm	
	Qty		
Control gear (1)	1	External LED Driver	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	DALI self test	
		Emergency conversion	
Colour / Material	Black Baffle		
Location	Green Room Shower illumination		
Notes			

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	N/A
Current / Voltage	240V
Wattage	8W
Beam angle (degree)	40
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
 Project number 14024

Luminaire details

INTO reference	R		
Description	Surface mounted fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	90	mm	
Height	150	mm	
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	WC Urinal illumination		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSFSL10.224C12-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	25W
Beam angle (degree)	10
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
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Luminaire details

INTO reference	R2		
Description	Surface mounted fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	90	mm	
Height	150	mm	
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	B1 Green room corridor illumination		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSFSL45.224C12-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	25W
Beam angle (degree)	45
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
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Luminaire details

INTO reference	R3		
Description	Surface mounted fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	90	mm	
Height	150	mm	
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: DALI
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Bespoke 50mm centre holes for conduit fixing
Colour / Material	Black		
Location	Mezz WC Stair landing / B1 WC Corridor illumination		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Lightkit
Product ref (if applicable)	ATSFSL60.224C12-H- 50MMFCH
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	25W
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
 Project number 14024

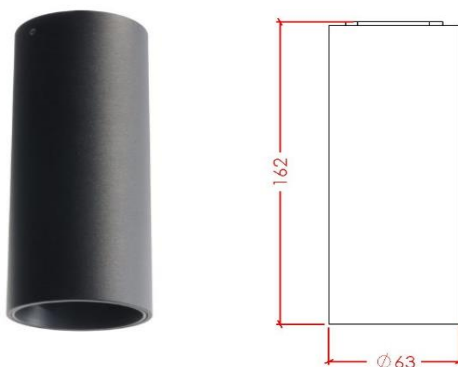
Luminaire details

INTO reference	S		
Description	Surface mounted fixed spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	63 mm		
Height	162 mm		
	Qty		
Control gear (1)	1	Integral electronic transformer	Dimmable: MAINS
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1	Honeycombe	1 Besa box lid
Colour / Material	Black		
Location	Mezz / B1 Green Room offices		
Notes	Surface mounted to conduit		

Lamp details

Manufacturer (if applicable)	Enigma
Product ref (if applicable)	CS-00011-BB-12-927-34-LTE+HC
Lamp type	LED
Lampholder	N/A
Current / Voltage	350mA
Wattage	12W
Beam angle (degree)	34
Colour Kelvin	2700
CRI	90

Guide fitting image



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Project Outernet
 Project number 14024

Luminaire details

INTO reference	V		
Description	Spike mounted adjustable spotlight		
IP rating (if applicable)	N/A		
Dimensions:			
Diameter	63	mm	
Height	111	mm	
Spike lengths	250	mm	
	Qty		
Control gear (1)			Dimmable: MAINS TRAILING
Control gear (2)			Dimmable:
Notes			
	Qty	Qty	Qty
Accessories (if applicable)	1 Snap on Honeycombe	1 Snap on 60degree lens	
Colour / Material	Black		
Location	GF Planter illumination		
Notes			

Lamp details

Manufacturer (if applicable)	N/A
Product ref (if applicable)	N/A
Lamp type	LED
Lampholder	GU10
Current / Voltage	350mA
Wattage	240V
Beam angle (degree)	60
Colour Kelvin	2700
CRI	90

Guide fitting image



Appendix

01 - Cable distances

Control gear to be located within 10m using 1.5mm cabling / 20m using 2.5mm cabling. Control gear to be accessible for installation / maintenance

02 - Linear LED

No more than 5000mm (unless otherwise stated) of tape can be run continuously. Each length of tape will require a solder connection.
Aluminium base profile, mounting profile and opal cover (if applicable) to be cut on site to suit

03 - Driver dimensions - if applicable

Fitting Ref	Driver	Dimensions
Type LED 3.## / LED4.##	150W PSU DALI unit	L - 191mm / W - 70mm / H: 40mm L - 153mm / W - 50mm / 23mm
Type LED 5.## / LED6.##	150W PSU DALI unit	L - 191mm / W - 70mm / H: 40mm L - 153mm / W - 50mm / 23mm

04 - Bespoke lighting

Please refer to Into bespoke drawing for further details

05 - Dimming system

All dimming racks and control plates to be wired in a radial
Cable to link dimming racks and control plates is Beldon 9502 or equivalent
Allow 300mm top / 100mm sides airflow around dimming racks
1-10V control requires 0.75mm 2-core cable for up tp 50m

Appendix

06 - Dimming Protocols

Mains (phase)

Can be used on dimmable replacement LED lamps with various Bayonet or Edison screw caps.

Can be used on dimmable LED Drivers with 3 connections (Live / Earth / Neutral)

There are 2 different Mains dimming types: Leading Edge & Trailing Edge, care should be when selecting dimming / driver combinations in respect of potential compatibility issues.

There are issues of in-rush currents with mains dimming especially in respect of LED replacement lamps. In the absence of any information from the manufacturer it is prudent to allow a factor of 10 meaning that a 4.5W LED Lamp should be treated as a 45W Lamp

The quantity of LED lamps on a single circuit will also have an effect, advice should be sought from lamp supplier

1-10V

Requires a 1-10V dimmable driver with 5No terminations (Live / Neutral / Earth / 1.5mm² control pair)

Driver needs to be wired to a specific controller and cannot be addressed

Power needs to be switched independently of the dimming function

To move a luminaire from one 'control circuit' to another, the wiring infrastructure must be modified

DALI Broadcast

Requires a DALI dimmable driver with 5No terminations (Live / Neutral / Earth / 1.5mm² control pair)

Driver needs to be wired to a specific controller and cannot be addressed

Power does not need to be switched independently of the dimming function as DALI uses a 'stand-by' function

To move a luminaire from one 'control circuit' to another, the wiring infrastructure must be modified

DALI Addressable

Requires a DALI dimmable driver with 5No terminations (Live / Neutral / Earth / 1.5mm² control pair)

Driver does not need to be wired to a specific controller and has to be addressed

Power does not need to be switched independently of the dimming function as DALI uses a 'stand-by' function

To move a luminaire from one 'control circuit' to another, the wiring infrastructure can be ignored as this is a programming modification

DMX 512

Requires a DMX driver with 6 terminations (Live / Neutral / Earth with 3 connections for the control cable – Belden 9501 or equivalent)

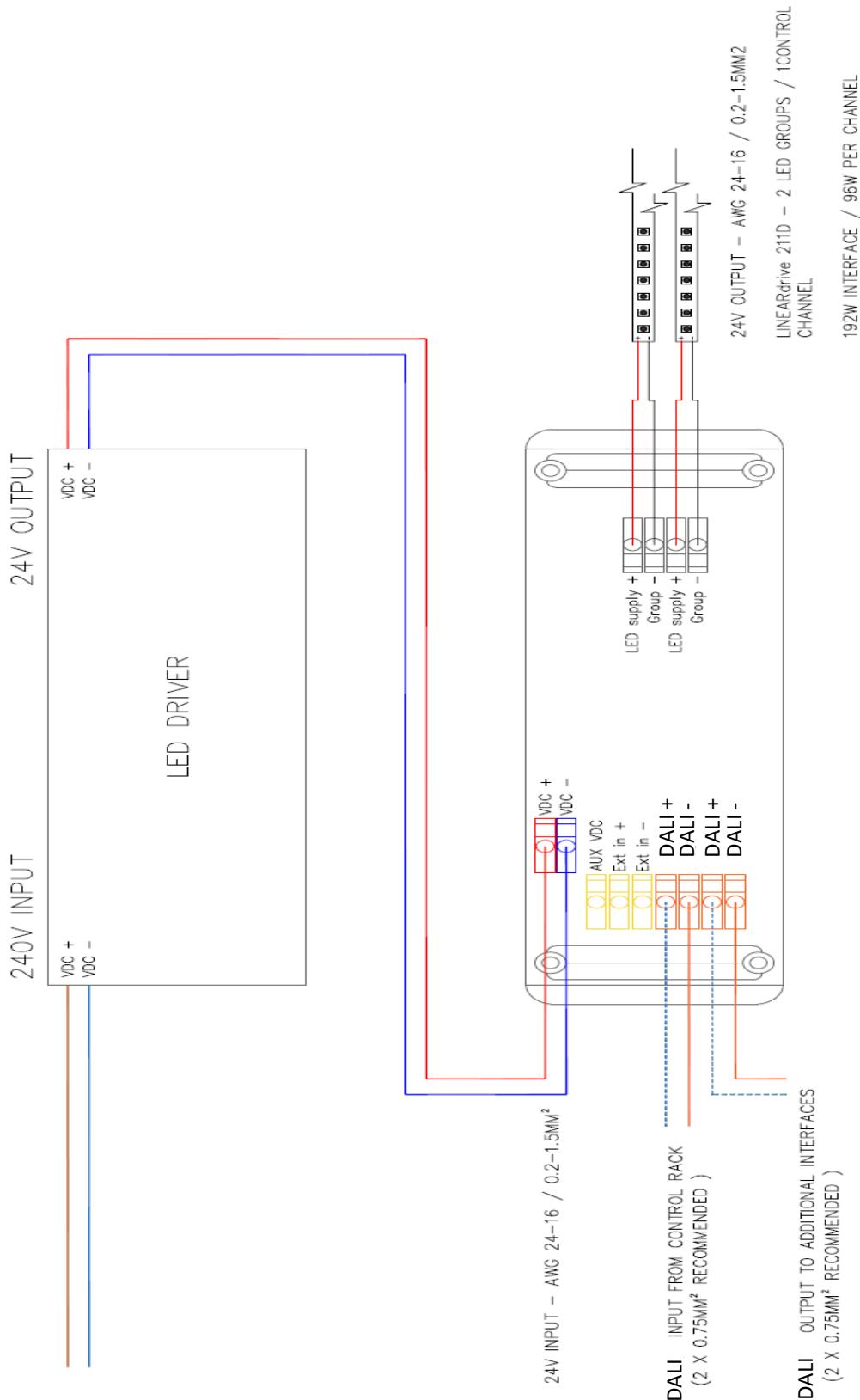
Control cable is generally a screened pair DMX +ve, DMX -ve & DMX screen

Drivers will be physically addressable with dip / rotary switches or an onboard menu

Power needs to be switched independently of the dimming function

To move a luminaire from one 'control circuit' to another, the wiring infrastructure can be ignored as this is a programming modification

Appendix - Linear LED DALI wiring schematic



Electrical Contractor's Obligations

All linear LED products are quoted against dimensions taken from an interior designer/ architects' drawings. It is the responsibility of the ordering party to ensure that the appointed main contractor verifies these dimensions are correct prior to ordering. In the event dimensions are found to be incorrect and additional linear LED product required, this will be chargeable as an addition

Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring Regulations (BS7671) and take into consideration the latest Building Regulations.

Always ensure there is adequate free air circulation around all luminaires. It is the Installer's responsibility to consider fire risk and take appropriate precautions.

Luminaires must not, under any circumstances, be covered with any insulation materials and luminaires must not be installed close to flammable materials.

Ensure only the correct lamp and wattage is used. Suitable transformers / control gear must be connected in accordance with the manufacturers' instructions. Transformers / control gear must not be covered.

All quantities are to be checked against the appropriate drawings by the Electrical Contractor.

The Electrical Contractor is to ensure the co-ordination and compatibility of all luminaire control gear / transformer types with the lighting control system.

Where specified luminaires are used as part of the temporary site illumination the Electrical Contractor shall ensure that the luminaires are fully cleaned and relamped prior to handover of the site to the owner.

Commissioning:

Client / architect / contractor to advise on a commissioning date. All lighting equipment must be installed, tested and ready for programming.

The Electrical Contractor is to ensure that adequate personnel, including at least one electrician, and all necessary access equipment is provided for such focussing and scene setting as is required to commission the installation.

All directional / adjustable light fittings to be angled by electrical contractor onto product / displays / artwork / tables / other in accordance with the lighting drawing / any designer or client instructions. This must be carried out in advance of the final lighting commissioning / programming visit by the lighting consultant/ dimming engineer. Into Lighting do not carry out any works at high level.

Into reserve the right to charge a full day rate should the installation not be complete on day of commissioning/ programming resulting in a failed visit.

Into require 7 days notice to cancel the booking of a dimming engineer. If we do not receive 7 days notice for a cancellation then the commissioning visit will be charged at the full day rate and another visit will have to be booked in and will be charged for.

DMX:

All DMX cabling should be wired in a daisy-chain using Belden 9841 cable, the maximum cable length from the source of the DMX output to the furthest DMX driver is 250m. A maximum of 32 DMX units can be connected to each DMX universe. If you have any questions about how to wire the DMX signal cable please contact Into on 0845 873 7013 or at technical@into.co.uk.

The following items must be complete prior to arrival of dimming engineer for any programming visit.

Should any of the items below not be complete this may result in a failed commissioning visit which will be charged for as a full day rate and an additional programming visit will have to be rescheduled and paid for at the full day rate.

For the contractor to note:

All dimming racks and control plates must be installed tested and fully operating in default mode. All control plates have standard factory dim level settings – all scenes and the master raise and lower should dim all dimmable lighting circuits and light fittings.

All 1-10v dimming circuits must be wired and tested to dim OK.

Any DMX circuits must be wired and tested OK.

All light fittings must be installed and tested dimming OK.

Multiple dimming units and control plates must be linked according to the manufacturer's guidelines.

All dimming circuits should be wired to match our switching schedule and drawings – any changes must be highlighted in advance of the visit

All dimming racks must be clearly labeled as to what breaker controls what circuit. A switching schedule should be taped to / near each dimming rack for clear reference.

The dimming engineer will require access to all areas for working.

For the main contractor and electrical contractor to note:

Please note all furniture and artwork must be in place prior to programming and scene setting.

The client/ a client representative is required to be in attendance at least at the start and end of the programming to brief and sign off the scene setting. If the client is not in attendance then the lighting designer and dimming engineer will carry out the works in their absence. In the event the client does not attend the programming and wishes to make changes after the event then an additional visit will have to be booked in and paid for.

In summary the programming and scene setting of the dimming systems and lighting should be one of the last procedures before the venue opens.

Emergency Lighting:

Where required, Into Lighting provide provisional layouts for emergency lighting to help ensure sympathetic integration into the architecture and general lighting scheme. It is the responsibility of the mechanical and electrical consultant/ contractor to ensure that the emergency lighting scheme and specification meets with BS5266 and any local requirements.

Fire and acoustic hoods / downlights:

It is the responsibility of the installing electrical contractor/ consultant to ensure the appropriate specification, supply and install of fire and/or acoustic hoods / down lights where required. The specification should meet with the specific site requirements, be fully compatible with any down lights specified and be installed in accordance with the manufacturers guidelines.