BUROHAPPOLD ENGINEERING















happold lighting 7

Luminaire Specification Document

Project: St Giles Exterior Lighting

Job No.: 032930 **First Issue**: 25/04/2015

Revision: T8

Date: 09/09/2019



BUROHAPPOLD ENGINEERING

Project: St. Giles

Issue Details & Revisions:

Revision	Date	Revision Details	Initals
00	09/04/2015	Draft for Tender	KM
01	13/04/2015	Draft for Tender	KM
02	30/04/2015	Issued for Tender	KM
T1	15/05/2015	Issued for Tender	KK
T1.1	21/05/2015	L4 updated - Issued for Tender	KK
T1.2	17/07/2015	L1, L3 & L5 updated to meet BREEAM requirements	KK
T1.3	27/10/2015	L16,17,18&19 Added. L9 Updated, L5 & L10 Deleted	KK
T2	28/01/2016	L9 & L16 amended	KK
T3	25/09/2018	Updated Schedule	FJR
T4	22/11/2018	Updated Schedule	MSK
T5	09/08/2019	Updated Schedule	LK
T6	16/08/2019	Updated Schedule	LK
T7	21/08/2019	Updated Schedule	LK
T8		Updated Schedule	FJR
10	09/09/2019	Opdated Scriedule	FJR
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LUMINAIRE SPECIFICATION

L₁a

LUMINAIRE FUNCTION	SOFFIT MOUNTED LINEAR LED DOWNLIGHTING			
MANUFACTURER	LPA Lighting CONTACT: AMANDA RADL			
SUPPLIER	LPA Lighting	TEL:	07512 551442	
CATALOGUE NUMBER	L1a - Sofffit Linear			
LAMP DETAILS:				
MANUFACTURER	N/A			
DESCRIPTION	LED			
WATTAGE	11W/m 24V DC			
COLOUR K (KELVIN)	RGBW / 3000K			
LAMP BASE	N/A			
CATALOGUE NUMBER	N/A			
LAMP NOTES	AMP NOTES Lumens per metre - 383.81 of which White is 200.6lm/m			
UMENS (per m) PER WATT CIRCUIT 34.84lm/W				

DESCRIPTION:

Linear RGBW LED recessed to the underside of soffit. Luminaire made of aluminium with Neon IP68 flex. Fitting/Extrusion to be ordered pre-cut to suit site dimensions. Wide 180* degree beam angle. Extrusion to be direct mounted with screws. Flex to be installed using a minimum of 2x mounting clips per meter.

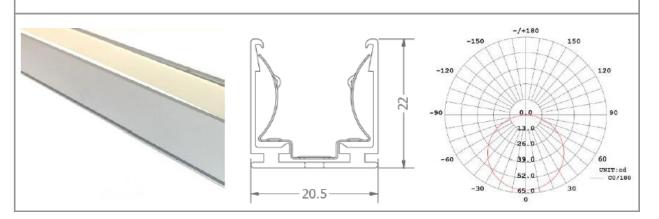
Cable feed required as shown on drawings and details. DMX remote driver.

MOUNTING	RECESSED	RECESSED INTO STONE SOFFIT				
IP RATING	IP68	268				
FINISH	RAL 9005 full	RAL 9005 full gloss				
LOR	N/A	N/A				
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DEPTH
				22mm	20.5mm	

MPORTANT	NOTES	N/A

REFER TO DRAWINGS	LIGHTING PLAN - E8000 & LIGHTING DETAIL - LD04 (E8504)
ACCESSORIES	N/A

ICONTROL	REQUIREMENTS	DMX



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LUMINAIRE SPECIFICATION

L₁u

IMINAIRE FUNCTION SOFFIT MOUNTED LINEAR LED DOWNLIGHTING				
MANUFACTURER	LPA Lighting		CONTACT:	AMANDA RADLEY
SUPPLIER	LPA Lighting		TEL:	07512 551442
CATALOGUE NUMBER	L1u - RGBW Linear			
	<u> </u>			
LAMP DETAILS:				
MANUFACTURER	N/A			
DESCRIPTION	LED			
WATTAGE	57W/1.2m 24V I	DC		
COLOUR K (KELVIN)	RGBW			
LAMP BASE	N/A			
CATALOGUE NUMBER	N/A			
LAMP NOTES	70.52 lm/W			
LUMENS (per m) PER WATT CIRCUIT				

DESCRIPTION:

Linear independent RGBW LED surface mounted luminaire made of aluminium housed in an IP65 Polycarbonate housing . Eliptical 65*x10* degree beam angle. DMX remote driver. Different length products to be used to give the best fit to the external lengths in situ.

MOUNTING	SURFACE M	SURFACE MOUNTED				
IP RATING	IP65	P65				
FINISH	RAL 9005 ful	RAL 9005 full gloss				
LOR	N/A	N/A				
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DEPTH
	N/A			65mm		120mm

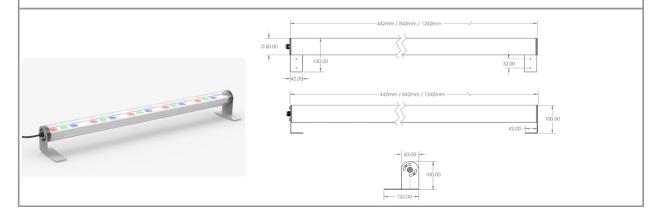
IMPORTANT NOTES N/A

ACCESSORIES

REFER TO DRAWINGS	LIGHTING PLAN - E8001 & LIGHTING DETAIL - LD08 (E8508)

N/A





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LUMINAIRE SPECIFICATION

L2

LUMINAIRE FUNCTION SOFFIT RECESSED DOWNLIGHT DENMARK PLACE						
MANUFACTURER	LPA Lighting	LPA Lighting CONTACT: AMANDA R			AMANDA RA	DLEY
SUPPLIER	LPA Lighting			TEL:	07512 55144	2
CATALOGUE NUMBER	L2					
LAMP DETAILS:						
MANUFACTURER	N/A					
DESCRIPTION	LED					
WATTAGE	24.4W					
COLOUR K (KELVIN)	3000K					
LAMP BASE	N/A					
CATALOGUE NUMBER	N/A					
LAMP NOTES	1423LM					
LUMENS (per m) PER WATT CIRCUIT	58.3 lm/w					
DESCRIPTION: Recessed downlight to soffit. Wide 46* *NOTE THAT THIS FITTING IS TO FEATURE APPROX. 15-20°.						BUILDING
MOUNTING	DUNTING CEILING RECESSED					
IP RATING	IP65					
FINISH	RAL 9005 full (gloss				
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DEPTH
					1	

IMPORTANT NOTES	N/A	

REFER TO DRAWINGS	LIGHTING DRAWING E8001 & LIGHTING DETAIL LD05 (E8505)

ACCESSORIES REMOTE DALI DIMMABLE DRIVER WITH CONNECTION CABLES

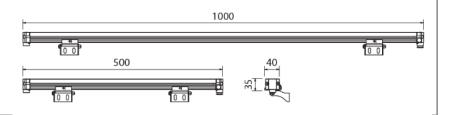
*CUSTOM TILTED LENS FOR ASYMMETRICAL BEAM SPREAD.

CONTROL REQUIREMENTS DALI DIMMABLE

ALL DETAILS TBC. PENDING INFORMATION FROM MANUFACTURER.

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35mm

40mm

LUMINAIRE SPECIFICATION

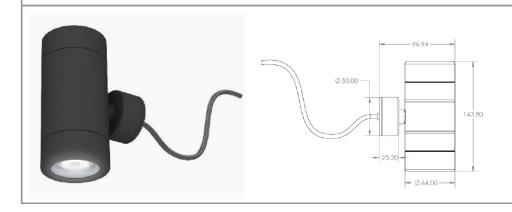
L3

LUMINAIRE FUNCTION	SURFACE MOUNTED WALL D	OWNLIGHT TO SMALL PASSAGEWAYS
MANUFACTURER	LPA Lighting	CONTACT:
SUPPLIER	LPA Lighting	TEL:
CATALOGUE NUMBER	L3 - Small Passage Ways	
LAMP DETAILS:		
MANUFACTURER	N/A	
DESCRIPTION	LED	
WATTAGE	10W	
COLOUR K (KELVIN)	RGBW	
LAMP BASE	N/A	
CATALOGUE NUMBER	N/A	
LAMP NOTES	562lm	
LUMENS (per m) PER WATT CIR	CUIT 56.2 lm/W	

DESCRIPTION:

Wall mounted cylindrical RGBW LED downlight made of aluminium. Remote DMX driver. 8/15* degree beam angle. For mounting height AFFL refer to architectural elevation drawings. (approx 1700mm AFFL) RAL Finish t.b.c. by architet / client.

MOUNTING	SURFACE M	OUNTED TO WALL		
IP RATING	IP67	IP67		
FINISH	RAL 9005 Ma	RAL 9005 Matt		
LOR	N/A			
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT
				143.80mm
IMPORTANT NOTES N/A				
REFER TO DRAWINGS	LIGHTING D	RAWING - E8000, E	8013, E8014, E8	8015, E8016, E8017
ACCESSORIES	N/A			
CONTROL REQUIREMENTS	DMX			



LUMINAIRE SPECIFICATION

L4

LUMINAIRE FUNCTION	LINEAR INGF	ROUND UPLIG	HT			
MANUFACTURER	LPA Lighting			CONTACT:	AMANDA I	RADLEY
SUPPLIER	LPA Lighting			TEL:	07512 551	442
CATALOGUE NUMBER	L4 - Linear in	ground uplig	ht			
LAMP DETAILS:						
MANUFACTURER	N/A					
DESCRIPTION	LED					
WATTAGE	24W/558mm	and 49W/983m	nm			
COLOUR K (KELVIN)	RGBW					
LAMP BASE	N/A					
CATALOGUE NUMBER	N/A					
LAMP NOTES	779lm/558mm	n 1554/49W				
LUMENS (per m) PER WATT CIRCUIT	32.45 lm/W					
DESCRIPTION: Recessed inground RGBW LED uplight and Internal DMX driver. Toughened clear glass cover - IK10. To be mounted 100mm from façade to			-			
MOUNTING IP RATING	RECESSED I					
FINISH	STAINLESS S	STEEL				
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	
						LENGTH
	973x105mm	7	8.7Kg	100mm	115mm	983mm
				100mm 100mm		_
MPORTANT NOTES N/A	973x105mm		8.7Kg		115mm	983mm
MPORTANT NOTES N/A	973x105mm		8.7Kg		115mm	983mm
	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
	973x105mm 548x105mm	RAWING E800	8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
IMPORTANT NOTES N/A REFER TO DRAWINGS ACCESSORIES CONTROL REQUIREMENTS	973x105mm 548x105mm		8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm LIGHTING DF	RAWING E800	8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES	973x105mm 548x105mm LIGHTING DF	RAWING E800	8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES CONTROL REQUIREMENTS	973x105mm 548x105mm LIGHTING DF	RAWING E800	8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES CONTROL REQUIREMENTS	973x105mm 548x105mm LIGHTING DF	RAWING E800	8.7Kg 5.1kg		115mm	983mm
REFER TO DRAWINGS ACCESSORIES CONTROL REQUIREMENTS	973x105mm 548x105mm LIGHTING DF	RAWING E800	8.7Kg 5.1kg		115mm	983mm

LUMINAIRE SPECIFICATION

L6

LUMINAIRE FUNCTION	SURFACE MOUNTED UPLIGHT TO FAÇADE COLUMNS				
MANUFACTURER	LPA Lighting	CONTACT:	AMANDA RADLEY		
SUPPLIER	LPA Lighting	TEL:	07512 551442		
CATALOGUE NUMBER	L6 - Soffit uplight				
LAMP DETAILS:					
MANUFACTURER	N/A				
DESCRIPTION	LED				
WATTAGE	10W				
COLOUR K (KELVIN)	3000K				
LAMP BASE	N/A				
CATALOGUE NUMBER	N/A				
LAMP NOTES	550lm				
LUMENS (per m) PER WATT CIRCUIT	55 lm/w				

DESCRIPTION:

LED cylindrical uplight mounted within façade column grooves. Luminaire made of aluminium. Narrow beam angle of 8 degrees. Remote Dali dimmable driver. CRI>80. Refer to lighting detail LD02 for further information.

MOUNTING	SURFACE M	DUNTED				
IP RATING	IP67					
FINISH	RAL 9005 Ma	tt				
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DIAMETER
				94mm	96mm	64mm

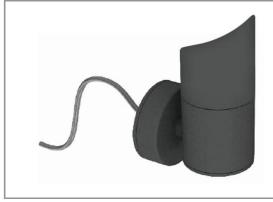
tel: +44 (0) 20 7927 9700

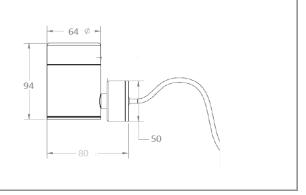
IMPORTANT NOTES N/A	MPORTANT	NOTES	N/A
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REFER TO DRAWINGS	LIGHTING DRAWING EROOT	. E8002 & LIGHTING DETAIL LD02 (E8502)
INLIER TO DISAWINGS	LIGITING DRAWING LOOD!	, LOUUZ & LIGITITING DETAIL LDUZ (LOSUZ)

ACCESSORIES G	Glare cowel
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CONTROL	REQUIREMENTS	DALI DIMMABLE
ICONTROL	KEMOIKEMENIO	DALI DIIVIVADLE





LUMINAIRE SPECIFICATION

L9

LUMINAIRE FUNCTION	LED RECESSED UPLIGHT		
MANUFACTURER	LightGraphix	CONTACT:	ROBERT BUXTON
SUPPLIER	LightGraphix	TEL:	+44 (0)1322 527 629
CATALOGUE NUMBER	LD151-E1-500-LW30-OB-GS-RAL-	484S	
LAMP DETAILS: LED			
MANUFACTURER	LightGraphix		
DESCRIPTION	LED		
WATTAGE	7W		
COLOUR K (KELVIN)	3000K		
LAMP BASE	N/A		
CATALOGUE NUMBER	N/A		
LAMP NOTES	437lm delivered		
LUMENS PER CIRCUIT WATT	62 lm/W		

DESCRIPTION:

Round LED recessed up-light. Oval spreader lens of 15° x 49°. Standard glare shield. First fix sleeve. Refer to detail drawings for further installation details.

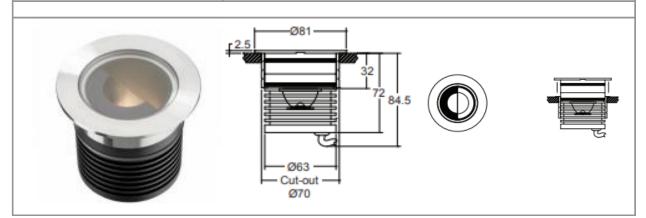
MOUNTING	Recessed to f	açade detail				
IP RATING	IP67					
FINISH	RAL9005 Matt					
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DIAMETER
	SEE BELOW			72mm		81mm

IMPORTANT NOTES

REFER TO DRAWINGS	LIGHTING DRAWING - E8003 AND LIGHTING DETAIL LD01 (E8501)
INCI EN 10 DIVAVIINOS		L03011

ACCESSORIES

CONTROL REQUIREMENTS DALI DIMMABLE



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LUMINAIRE SPECIFICATION

L9a

LUMINAIRE FUNCTION	LED RECESSED UPLIGHT		
MANUFACTURER	iGuzzini	CONTACT:	TERENCE GOOD
SUPPLIER	iGuzzini	TEL:	079042553457
CATALOGUE NUMBER	E103		*
	*		
LAMP DETAILS: LED			
MANUFACTURER	iGuzzini		
DESCRIPTION	LED		
WATTAGE	4.2W		
COLOUR K (KELVIN)	3000K		
LAMP BASE	N/A		
CATALOGUE NUMBER	N/A		
LAMP NOTES	164lm delivered		
LUMENS PER CIRCUIT WATT			

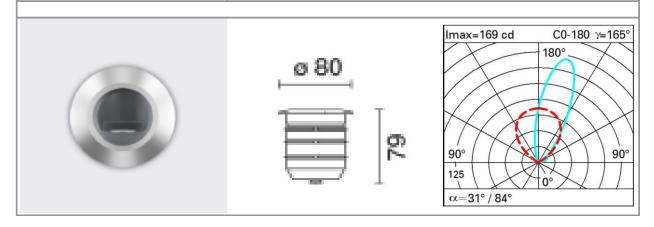
Round LED recessed up-light to wash the sefar glass. Assymetric distribution. Refer to detail drawings dor further installation details. Fixing using special spring accessories. Product code for springs: X196.

Recessed to façade detail					
IP68					
RAL 9005 Matt					
N/A					
CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DIAMETER
SEE BELOW			79mm		80mm
	IP68 RAL 9005 Matt N/A CUT-OUT	RAL 9005 Matt N/A CUT-OUT RECESS	RAL 9005 Matt N/A CUT-OUT RECESS WEIGHT	IP68 RAL 9005 Matt N/A CUT-OUT RECESS WEIGHT HEIGHT	IP68 RAL 9005 Matt N/A CUT-OUT RECESS WEIGHT HEIGHT WIDTH

REFER TO DRAWINGS LIGHTING DRAWING - E8003 AND LIGHTING DETAIL LD01 (E8501)

ACCESSORIES

CONTROL REQUIREMENTS DALI DIMMABLE



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LUMINAIRE SPECIFICATION

L11

LUMINAIRE FUNCTION	INGROUND UPLIGHT TO HISTORICAL F	AÇADE	
MANUFACTURER	LPA Lighting	CONTACT:	AMANDA RADLEY
SUPPLIER	LPA Lighting	TEL:	07512 551442
CATALOGUE NUMBER	L11 - Inground 5 RGBW		
LAMP DETAILS:			
MANUFACTURER	N/A		
DESCRIPTION	LED		
WATTAGE	22W		
COLOUR K (KELVIN)	RGBW		
LAMP BASE	N/A		
CATALOGUE NUMBER	N/A		
LAMP NOTES	R - 380lm G - 720m B - 120lm W - 8	300lm	
LUMENS (per m) PER WATT CIRCUIT	80.8 lm/w		

DESCRIPTION:

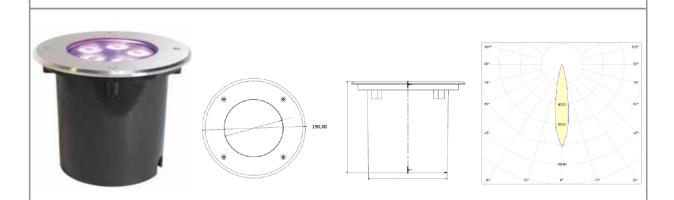
IMPORTANT NOTES

Round ground recessed RGBW LED uplight to historical façade. Fitted with thermal-shock resistant tempered glass. Integral DMX driver. Narrow beam angle of 10 degree. LED lamp source to be ressesed below glass cover plate to avoid glare.

MOUNTING	RECESSED	RECESSED INGROUND				
IP RATING	IP67	IP67				
FINISH	STAINLESS	STAINLESS STEEL				
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DIAMETER
						190mm

IMPORTANT NOTES	N/A

REFER TO DRAWINGS	LIGHTING DRAWING E8000
ACCESSORIES	N/A
CONTROL REQUIREMENTS	DMX



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LUMINAIRE SPECIFICATION

L12

LUMINAIRE FUNCTION	SURFACE MO	UNTED UPL	IGHT TO HIS	TORICAL FAÇ	ADE
MANUFACTURER	LPA Lighting			CONTACT:	AMANDA RADLEY
SUPPLIER	LPA Lighting			TEL:	07512 551442
CATALOGUE NUMBER	L12 - Historic	Façade			
LAMP DETAILS:					
MANUFACTURER	N/A				
DESCRIPTION	LED				
WATTAGE	19.2W				
COLOUR K (KELVIN)	RGBW				
LAMP BASE	N/A				
CATALOGUE NUMBER	N/A				
LAMP NOTES	1136lm				
LUMENS (per m) PER WATT CIRCUIT	59.16 lm/w				
DESCRIPTION:					
Rectangular RGBW LED uplight mounte	ed to historical f	facade. Lumi	inaire made d	of aluminium.	Remote DMX driver. Beam
angle of 8/15 degrees.					
MOUNTING	SURFACE MO	INTED			
IP RATING	IP67	ONTED			
FINISH	RAL 9005 Matt				
LOR	N/A	•			
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH DEPTH
DIVIENSIONS	001-001	INLULUG	WEIGHT	125mm	121.40mm 121.40mm
				12011111	121.4011111 121.4011111
IMPORTANT NOTES N/A					
IIVII ORTANT NOTES N/A					
REFER TO DRAWINGS	LIGHTING DRA	AWING EROO	2 E8003		
ILLI EK TO BKAWINGS	LIGITING DIV	AVIINO LOGO	2, 20003		
ACCESSORIES	N/A				
ACCESSORIES	IN/A				
CONTROL REQUIREMENTS	DMX				
CONTROL REQUIREMENTS	DIVIX				
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LUMINAIRE SPECIFICATION

L13

LUMINAIRE FUNCTION	-	G MODULE T	O ILLUMINAT	CONTACT:		ORICAL FAÇA
MANUFACTURER	LPA Lighting				AMANDA R	
SUPPLIER CATALOGUE NUMBER	LPA Lighting L13 - Historic	Facado		TEL:	07512 5514	42
CATALOGUE NUMBER	L 13 - HISTORIC	raçaue				
LAMP DETAILS:						
MANUFACTURER	N/A					
DESCRIPTION	LED					
WATTAGE	10W					
COLOUR K (KELVIN)	RGBW					
LAMP BASE	N/A					
CATALOGUE NUMBER	N/A					
LAMP NOTES	200lm					
LUMENS (per m) PER WATT CIRCUIT	20 lm/W					
DESCRIPTION:						
MOUNTING	SURFACE MC	UNTED				
IP RATING	IP66	ONILD				
FINISH	RAL 7016 Mat	t				
LOR	N/A	· ·				
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DEPTH
DIVIENCIONO	001 001	INLULUC	VV LIOI I I		VVIDIII	DEI III
			1ka		92mm	172mm
			1kg	46mm	92mm	172mm
IMPORTANT NOTES N/A			1kg		92mm	172mm
IMPORTANT NOTES N/A REFER TO DRAWINGS	LIGHTING DR	AWING E8002			92mm	172mm
	LIGHTING DR	AWING E8002			92mm	172mm
REFER TO DRAWINGS		AWING E8002			92mm	172mm

LUMINAIRE SPECIFICATION

L16

MANUFACTURER SUPPLIER	LPA Lighting					
	Li A Lighting			CONTACT:	AMANDA	RADLEY
OATALOOUE NUMBER	LPA Lighting			TEL:	07512 551	442
CATALOGUE NUMBER	L16					
LAMP DETAILS:						
MANUFACTURER	N/A					
DESCRIPTION	LED					
WATTAGE	24.4W					
COLOUR K (KELVIN)	RGBW					
LAMP BASE	N/A					
CATALOGUE NUMBER	N/A					
LAMP NOTES	1423LM					
LUMENS (per m) PER WATT CIRCUIT	58.3 lm/w					
DESCRIPTION:						
		ngle. LED CF	RI 83. Remote	driver. IK06. I	P65. Refer to	o lighting
Recessed downlight to soffit. Wide 46 details for further installtion information information information in the second se	CEILING REC		RI 83. Remote	driver. IK06. I	P65. Refer to	o lighting
details for further installtion informati MOUNTING IP RATING	CEILING REC	ESSED	RI 83. Remote	driver. IK06. I	P65. Refer to	o lighting
details for further installtion information MOUNTING IP RATING FINISH	CEILING REC IP65 RAL 9005 Mat	ESSED	RI 83. Remote	driver. IK06. I	P65. Refer to	o lighting
details for further installtion information MOUNTING IP RATING FINISH LOR	CEILING REC	ESSED	RI 83. Remote	driver. IK06. I	P65. Refer to	DIAMETER
details for further installtion information MOUNTING IP RATING FINISH LOR	CEILING REC IP65 RAL 9005 Mat N/A	ESSED				
details for further installtion informati MOUNTING IP RATING	CEILING REC IP65 RAL 9005 Mat N/A CUT-OUT	ESSED t	WEIGHT			
MOUNTING IP RATING FINISH LOR DIMENSIONS	CEILING REC IP65 RAL 9005 Mat N/A CUT-OUT SEE BELOW	t RECESS	WEIGHT 0.63KG			
MOUNTING IP RATING FINISH LOR DIMENSIONS	CEILING REC IP65 RAL 9005 Mat N/A CUT-OUT	t RECESS	WEIGHT 0.63KG			
MOUNTING IP RATING FINISH LOR DIMENSIONS	CEILING REC IP65 RAL 9005 Mat N/A CUT-OUT SEE BELOW	t RECESS	WEIGHT 0.63KG		WIDTH	DIAMETER

500

LUMINAIRE SPECIFICATION

L17

LUMINAIRE FUNCTION	Ground Recessed fibre optic marker lig	ht with LED li	ghtbox	
MANUFACTURER	LPA Lighting	CONTACT:	AMANDA RADLEY	
SUPPLIER	LPA Lighting	TEL:	07512 551442	
CATALOGUE NUMBER	a) L17 F-Optic RGBW Cube b) L17 F-Optiche	a) L17 F-Optic RGBW Cube b) L17 F-Optichead		
LAMP DETAILS:				
MANUFACTURER	N/A			
DESCRIPTION	LED			
WATTAGE	46W			
COLOUR K (KELVIN)	RGBW			
LAMP BASE	N/A			
CATALOGUE NUMBER	N/A			
LAMP NOTES	R - 700lm G - 1160lm B - 315lm W	- 1435lm		
LUMENS (per m) PER WATT CIRCUIT	N/A			

DESCRIPTION:

a)IP67 rated RGBW LED fibre optic light box feeding marker light end fittings recessed to paving. Made of aluminium. Lightbox required to be mounted in a dry, accessible and ventilated location no more than 14m distance from the farthest end point due to limitations in harness lengths. b) Round nickel plated brass fibre optic walk over light with frosted glass.

Notes: 600no. tails per engine. End fittings t.b.c by Landscape Architect.

See installation notes over leaf for further details. Final installation details t.b.c by fibre optic manufacturer and Landscape Architect.

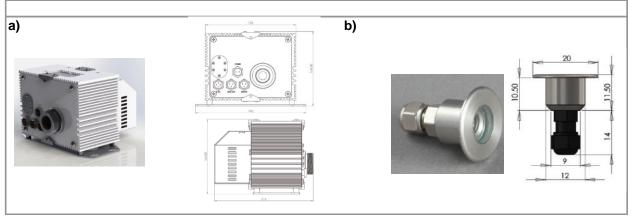
MOUNTING	Surface mour	nted				
IP RATING	IP67					
FINISH	GREY					
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	LENGTH
				164.8mm	216mm	240mm
	-					

IMPORTANT	NOTES	N/A

PRAWING E8000

ACCESSORIES N/A

CONTROL REQUIREMENTS DMX



tel: +44 (0) 20 7927 9700

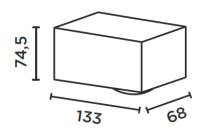
LUMINAIRE SPECIFICATION

L19

LUMINAIRE FUNCTION	SURFACE MOUNTED WALL DOWNL	IGHT TO BALCONYS	S
MANUFACTURER	IP44.de	CONTACT:	Peter Younie
SUPPLIER	Cameron Peters fine lighting	TEL:	01235 835000
CATALOGUE NUMBER	Como Down - 92180-D-3000K-IP65		
LAMP DETAILS:			
MANUFACTURER	N/A		
DESCRIPTION	LED		
WATTAGE	6W		
COLOUR K (KELVIN)	3000K		
LAMP BASE	N/A		
CATALOGUE NUMBER	N/A		
LAMP NOTES	300Lm		
LUMENS (per m) PER WATT CIRCUIT	50 lm/w		
_			
DESCRIPTION:			
Rectangular LED wall mounted Downlig	ht. Made of aluminium die casting, po	wer coated. Integral	switched con-
driver. CRI >80			

MOUNTING	SURFACE N	MOUNTED TO WAL	.L			
IP RATING	IP65					
FINISH	RAL 9005 M	latt				
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DEPTH
			1KG	79mm	133mm	70mm
IMPORTANT NOTES N/A						
REFER TO DRAWINGS	LIGHTING D	DRAWING - E8000				
ACCESSORIES	N/A					
CONTROL REQUIREMENTS	SWITCHED					





LUMINAIRE SPECIFICATION

E1

LUMINAIRE FUNCTION		ergency lighting				
MANUFACTURER	iGuzzini			CONTACT:	TERENO	E GOOD
SUPPLIER	iGuzzini			TEL:	0790425	53457
CATALOGUE NUMBER	BX55					
LAMP DETAILS:						
MANUFACTURER	N/A					
DESCRIPTION	LED					
WATTAGE	4.1W					
COLOUR K (KELVIN)	4000K					
LAMP BASE	N/A					
CATALOGUE NUMBER	N/A					
LAMP NOTES	291lm					
LUMENS (per m) PER WATT CIRCUIT	71.1 lm/w					
DESCRIPTION:						
MOUNTING	Recessed					
IP RATING	IP65					
FINISH	RAL 9005 Mat	t				
LOR	N/A					
DIMENSIONS	CUT-OUT	RECESS	WEIGHT	HEIGHT	WIDTH	DEPTH
	64x35	N/A	0.15KG	55mm	83mm	49mm
IMPORTANT NOTES N/A						
REFER TO DRAWINGS	LIGHTING DR	AWING - E8000,	E8013, E8014, E8	017, E8018		
ACCESSORIES	N/A					
CONTROL REQUIREMENTS	DALI DIMMAB	LE				
			lmax=992	2 ad		\neg
		т т	imax=99	z ca		
, ST. 100 A.	83	₽ [64 	90°	180°		90°

LUMINAIRE SPECIFICATION

E2

LUMINAIRE FUNCTION	Surface moun	ted emergenc	y lighting			
MANUFACTURER	LightGraphix			CONTACT	ROBERT	BUXTON
SUPPLIER	LightGraphix			TEL:	+44 (0)132	2 527 629
CATALOGUE NUMBER	LD95					
LAMP DETAILS:						
MANUFACTURER	N/A					
DESCRIPTION	LED					
WATTAGE	2.4W					
COLOUR K (KELVIN)	3000K					
LAMP BASE	N/A					
CATALOGUE NUMBER	LD95-700/LW30	D/OB/Black				
LAMP NOTES	400lm/m	o, o B, Black				
LUMENS (per m) PER WATT CIRCUIT	61 lm/w					
LOMENS (per III) PER WATT CIRCUIT	OT IIII/W					
DESCRIPTION:						
MOUNTING	0					
	Surface mount	ed				
	IP66	ed				
IP RATING						
IP RATING FINISH	IP66					
P RATING FINISH LOR	IP66 RAL 9005 Matt		WEIGHT	HEIGHT	WIDTH	DIAMETER
P RATING FINISH LOR	IP66 RAL 9005 Matt		WEIGHT N/A	HEIGHT 50mm	WIDTH N/A	DIAMETER 46mm
P RATING FINISH LOR DIMENSIONS	IP66 RAL 9005 Matt N/A CUT-OUT	RECESS				_
IP RATING FINISH LOR DIMENSIONS	IP66 RAL 9005 Matt N/A CUT-OUT	RECESS				
IP RATING FINISH LOR DIMENSIONS IMPORTANT NOTES N/A	IP66 RAL 9005 Matt N/A CUT-OUT	RECESS N/A	N/A	50mm		_
IP RATING FINISH LOR DIMENSIONS IMPORTANT NOTES N/A REFER TO DRAWINGS	IP66 RAL 9005 Matt N/A CUT-OUT N/A	RECESS N/A	N/A	50mm		_
IP RATING FINISH LOR DIMENSIONS IMPORTANT NOTES N/A REFER TO DRAWINGS ACCESSORIES	IP66 RAL 9005 Matt N/A CUT-OUT N/A LIGHTING DR/	RECESS N/A AWING - E800	N/A	50mm		
IP RATING FINISH LOR DIMENSIONS	IP66 RAL 9005 Matt N/A CUT-OUT N/A LIGHTING DR/	RECESS N/A AWING - E800	N/A	50mm		

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