

LIGHT BUREAU

PART OF AFRY

LIGHT BUREAU

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Rev. No:	Description of revisions:	Prep. by:	Chec. by:	App. By:	Date:
-	Stage 3 Issue	LN	LN		01.07.20
A	L5 Lighting reference omitted	LN	LN		29.07.20
B	Stage 4 for Coordination: New references added: B2a, B3a, U4 Omitted references: F1, H1 Updated references: U1, S1, P3	RG	LN		03.11.20
Ba	Minor notes and clarifications	LN	LN		12.11.20

Client:

Berkeley
Designed for life

Berkeley Homes (Western) Ltd
200 Longwater Avenue
Green Park
Reading
Berkshire RG2 6GB

Lead Architect:

PRP

PRP Architects
10 Lindsey St
Barbican
London EC1A 9HP

Project Name:

Kenavon Drive, Reading

Document Title:

Luminaire Specification

Document Number:	Job Number:	Stage:	Revision:
LB_0956_LS_01	0956	Stage 4	Ba
Document Issued:	Prepared by:	Checked by:	Approved by:
12.11.2020	LN/RG	LN	

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

1.0 GENERAL CONDITIONS

1.1 The luminaire specification shall be read in conjunction with drawings and associated sketches and schedules prepared by Light Bureau that are pertinent to the specialist lighting design scheme.

1.2 This specification supersedes all previous issues.

1.3 When contacting the manufacturers the tenderer should use the local official distributor.

2.0 STANDARDS COMPLIANCE

2.1 All equipment supplied shall comply with the relevant requirements, and be capable of installation in accordance with the manufacturers' instructions, the current edition of the local wiring regulations and all statutory and local authority requirements.

2.2 Notwithstanding the above, the following local standards in particular should be checked for compliance: Safety isolating transformers for industrial and domestic purposes.

Electric signs and high voltage luminous discharge tube installations.

Luminaires

- Electronic transformers for lamps - performance.

3.0 GUARANTEES

3.1 All equipment and components supplied shall be guaranteed against failure due to poor workmanship, materials, or luminaire design, for a period of not less than 18 months from the date of delivery to site or 12 months from the date of practical completion, whichever is the sooner, with the exception of lamps which shall be covered only by their manufacturer's normal assurances as to life expectancy and performance.

4.0 PROTECTION

4.1 All equipment shall be supplied with adequate means of protection to ensure its preservation during transport to site and any subsequent storage prior to installation.

4.2 All vulnerable finished parts liable to scratching or other abrasion during handling and installation shall be further protected by a removable film applied prior to dispatch.

5.0 PROTECTION

5.1 Equipment selected as a standard item from a particular manufacturer's range has been specified with a view to performance, optics, maintenance, quality, aesthetics etc.

5.2 Notwithstanding the above, the manufacturer shall remain responsible for ensuring compliance with relevant standards, the accuracy of the information shown on his drawings at all times and for ensuring that the equipment shown fulfils the requirements of this specification.

5.3 Light Bureau accepts no responsibility for installation of non-approved luminaires.

5.4 The final location of each luminaire and where relevant its integration with the architecture shall be as detailed on the construction issue drawings. Light Bureau cannot accept responsibility for luminaires installed in a manner other than intimated in the relevant drawings or as otherwise agreed and minuted.

5.5 All necessary control gear and transformers shall be mounted within the luminaire unless shown as being located remotely. All such gear shall be of good quality construction, shall comply with all relevant statutory regulations, shall be compatible with the lamps specified, and shall be mounted and wired in accordance with the manufacturers' instructions

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Project: Kenavon Drive, Reading

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5.6 Where appropriate, the Electrical Engineer shall also liaise with the selected lighting control system manufacturer to ensure compatibility between control gear and the control system. He shall also provide all necessary data regarding gear losses etc., to enable dimmers/contactors to be sized correctly.

5.7 Transformers shall have a stable output voltage of 11.4V or 22.8V, under varying loads, where the output voltage is nominally quoted at 12V or 24V.

5.8 Unless otherwise stated, all transformers shall be suitable for dimming on their primary side via a solid state controlled remote lighting control system. All luminaires specified to be dimmable should have full range of dimming and no flickering or shut-off should occur during dimming.

5.9 Where gear or transformers are installed remotely, care should be taken to ensure that any audible sounds generated by control gear, or by lamp filaments via control gear are kept to a minimum. Where this is particularly crucial, detailed acoustic requirements are included in the Specific Conditions

5.10 All equipment shall be protected from unexpected mains failure, and mains borne interference.

5.11 Electrical supply connections shall be designed to facilitate the easy installation of the luminaires. The supplier shall liaise with the Electrical Engineer to ensure any specific requirements of his in this respect are met.

5.12 Incandescent and tungsten halogen lamps shall not be operated, other than for initial testing, prior to final inspection.

5.13 Alternative incandescent and tungsten halogen lamps may be substituted without the approval of Light Bureau provided particular attention is paid to colour rendering, colour temperature, light distribution, life expectancy and general performance when selecting such alternatives.

5.14 For fluorescent and HID sources, alternative lamps may only be substituted if full technical data is first supplied to Light Bureau to enable their accurate assessment and approval.

5.15 For low voltage reflector lamps, alternatives may only be substituted where the lamp has the same beam angle, lamp cover and shield characteristics as the lamp specified.

5.16 For LED light sources, alternatives may only be substituted if full technical data is first supplied to Light Bureau to enable their accurate assessment and approval.

6.0 ALTERNATIVE LUMINAIRES

6.1 Due to the nature of the project and associated costs alternative luminaires unless agreed with Light Bureau will not be accepted.

6.2 All luminaires shall be sourced from local official suppliers and manufacturers. No sourcing of 'grey' imports will be accepted. This is in the interest of quality, compatibility, delivery, warranty and support.

6.3 One working sample is to be supplied in working order complete with lamp as specified, associated control gear where appropriate, and 3m electrical cable terminated in a plug suitable for connection to the local distribution system for each type of luminaire specified.

6.4 All samples are returnable and shall not be included in the fixture count for the project.

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7.0 COMMISSIONING

7.1 The Electrical Contractor shall focus all adjustable light fixtures under the direction of the Lighting Consultant. As far as possible this work shall be carried out during normal working hours, but where and as required, shall be carried out during the hours of darkness. All access equipment shall be provided by the Electrical Contractor.

7.2 The contractor is to provide and procure from the controls providers (general and specialist) full commissioning services of the systems. It is expected that the commissioning procedure will involve but not be limited to the following activities:

- Pre-commissioning:

Prior to commissioning, ensure that all power and controls connections are fully complete, including luminaires, detectors, recall stations etc.

The controls providers should not be invited to site to carry out any commissioning duties until the contractor has satisfied himself and other relevant parties that the electrical system is fully complete.

- Pre-Handover:

Prior to hand-over to the client, the systems are to be fully commissioned. All scene setting to be completed according to controls / dimming schedules provided. Commissioning to be carried out in coordination with other relevant parties, expected to include:

- Controls provider
- Electrical consultant / Lighting Consultant
- A/V provider
- Fit-out contractor
- Electrical contractor
- Project manager

Allow for attendance in daylight and hours of darkness to correctly commission all types of scenes for general and hospitality settings.

- Post-Handover:

Post handover and following practical completion, the scenes will require adjusting. This follows snagging and other remedial actions, also attendance by the A/V provider. Note that out of hours attendance will be required and all parties listed above may be required for this exercise.

- Post-Occupancy:

Post occupancy the scenes set will require fine-tuning. This is following client comment and a settling in period, expected to be approximately one month after practical completion. Note that out of hours attendance will be required and all parties listed above may be required for this exercise.

For the commissioning activities described above, reference should be made to all of the relevant consultant's and contractor's requirements in terms of number, duration and time of activities. In absence of specific requirements being specified by the relevant parties, the lighting control systems provider is to state in their quotation the expectation in relation to a full commissioning exercise as outlined above.

Note that the activities listed are not exhaustive; the control systems provider shall satisfy himself that the activities described are sufficient in order to hand over a fully operational and defects-free at completion and that the final installation post-completion achieves all of the requirements of the users.

7.3 Activities outlined within clauses 7.1 and 7.2 may need to be repeated, and the Electrical Consultant shall ensure attendance etc. for such repeat work as called for by either the Lighting Consultant and/or Client

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

B1

Luminaire Reference

Location	Riverside Towpath		
Function	Path Lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	iWay Super Comfort Round		
Catalogue Ref.	EN96		
Luminaire type	Bollard		
Description	Bollard post mounted luminaire with asymmetrical light distribution to illuminate pathways. Fixed to hard landscape - exact position and mounting accessories to be confirmed.		
Protection Rating	IP 66 IK 10		
Control protocol	DALI		
Accessories	EP17 post Ø170 mm - h = 919 mm ; All necessary installation accessories		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	180 mm
Height	1000 mm

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	12.3 W
Light output	263 lm
Efficacy	21 lm/W
Voltage (or mA)	230V
Beam Angle	Asymmetric 180° emission
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

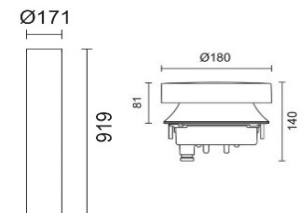
Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

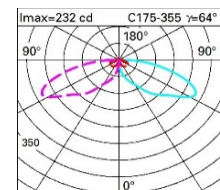
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

B2

Luminaire Reference

Luminaire image

Location	Residential Entrances, Podium Gardens		
Function	Path Lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	Walky Round		
Catalogue Ref.	EI27		
Luminaire type	Bollard		
Description	Bollard mounted luminaire with longitudinal asymmetrical light distribution to illuminate pathways. Fixed to concrete base via fixing plate. Details to be confirmed.		
Protection Rating	IP 66 IK 09		
Control protocol	DALI		
Accessories	X438 post h = 600 mm ; All necessary installation accessories		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		



Dimensions

Width	110 mm
Depth	40 mm
Height	600 mm

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	4.6 W
Light output	107 lm
Efficacy	23 lm/W
Voltage (or mA)	24V
Beam Angle	AL - Longitudinal asymmetric optic
Colour Temp (K)	2700K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Remote Dimmable DALI Driver

by Manufacturer	
by Manufacturer	

Power Supply:

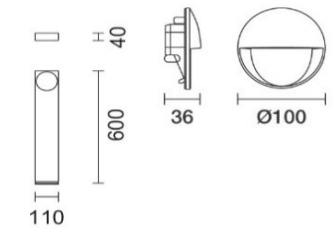
Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Power supply housed in bollard. By Manufacturer

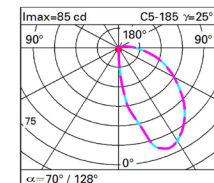
by Manufacturer

Notes

Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

B2a

Luminaire Reference

Luminaire image

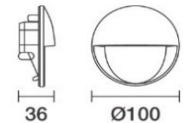
Location	Residential Entrances, Riverside walk		
Function	Stair lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	Walky Round		
Catalogue Ref.	EI27		
Luminaire type	Wall-recessed luminaire		
Description	Wall-recessed luminaire with longitudinal asymmetrical light distribution to illuminate steps. Recessed in masonry low retaining walls via pre-cast outer casing mould.		
Protection Rating	IP 66 IK 09		
Control protocol	DALI		
Accessories	Outer-casing for installation in masonry; All necessary installation accessories		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		



Dimensions

Luminaire dimensions

Width	100 mm
Depth	36 mm



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	4.6 W
Light output	107 lm
Efficacy	23 lm/W
Voltage (or mA)	24V
Beam Angle	AL - Longitudinal asymmetric optic
Colour Temp (K)	2700K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Remote Dimmable DALI Driver

by Manufacturer
by Manufacturer

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

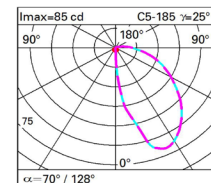
Remote Power Supply Unit

by Manufacturer
by Manufacturer

Notes

Installation details to be confirmed.

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

B3a

Luminaire Reference

Luminaire image

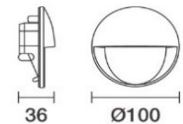
Location	Riverside walk
Function	Stair lighting
Manufacturer	iGuzzini
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159
Product name	Walky Round
Catalogue Ref.	EI26
Luminaire type	Wall-recessed luminaire
Description	Wall-recessed luminaire with longitudinal asymmetrical light distribution to illuminate ramp. Recessed in masonry planter wall via pre-cast outer casing mould.
Protection Rating	IP 66 IK 09
Control protocol	DALI
Accessories	Outer-casing for installation in masonry; All necessary installation accessories
Finish	TBC by Architects
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.



Dimensions

Luminaire dimensions

Width	100 mm
Depth	36 mm



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	4.6 W
Light output	111 lm
Efficacy	24 lm/W
Voltage (or mA)	24V
Beam Angle	AL - Longitudinal asymmetric optic
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Remote Dimmable DALI Driver

by Manufacturer
by Manufacturer

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

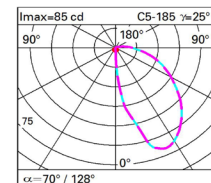
Remote Power Supply Unit

by Manufacturer
by Manufacturer

Notes

Installation details to be confirmed.

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

H2

Luminaire Reference

Location	Riverside Square		
Function	Stair lighting		
Manufacturer	Wila		
Contact Details	Name: Othman Kaghat	Email: othman.kaghat@wila.co.uk	Mobile: +44 (0) 7827 938684
Product name	Puck XT		
Catalogue Ref.	MP1201503-70-30		
Luminaire type	Symmetric handrail integrated lighting		
Description	LED luminaire for flush installation into round handrails. Installation according to coordinated details.		
Protection Rating	IP 66 IK 10		
Control protocol	DALI		
Accessories	All necessary fixing, maintenance and installation accessories		
Finish	316 marine grade stainless steel		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	18 mm
Height	15 mm
Weight	16 g

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	1.1 W
Light output	119 lm
Efficacy	113 lm/W
Voltage (or mA)	350mA
Beam Angle	Double-sided beam
Colour Temp (K)	3000K
CRI	>80
Base	N/A

Driver:

Catalogue Ref.
Size (LxHxW)
Fittings per driver

Power Supply:

Catalogue Ref.
Size (LxHxW)
Fittings per PSU

Notes

Remote Driver

by Manufacturer
by Manufacturer
by Manufacturer

Remote PSU

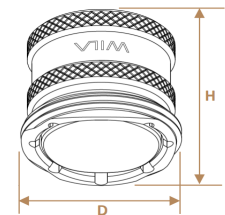
by Manufacturer
by Manufacturer
by Manufacturer

Remote driver and PSU to be installed in a dry accessible location.

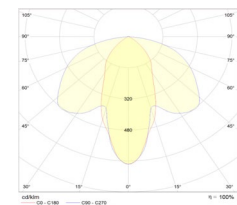
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

L1

Luminaire Reference

Luminaire image

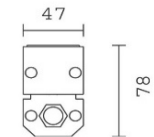
Location	Arrival Square
Function	Facade Lighting
Manufacturer	iGuzzini
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159
Product name	Linealuce Mini 47 surface
Catalogue Ref.	EI99
Luminaire type	Surface mounted linear luminaire
Description	1502mm long linear luminaire with lensed optics. Recessed in horizontal trough in selected façade panels to highlight signage. Installation details to be coordinated with Architects. Fixing accessories to be confirmed.
Protection Rating	IP 06 IK 66
Control protocol	DALI
Accessories	Internal longitudinal louvre and all necessary mounting accessories incl. junction connectors for continuous line installation
Finish	TBC by Architects
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.



Dimensions

Width	47 mm
Height	78 mm
Length	1502 mm

Luminaire dimensions



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	Linear LED
No. Lamps	1
Wattage	57.3 W
Light output	4550 lm
Efficacy	79 lm/W
Voltage (or mA)	48V
Beam Angle	Wall Grazing Spot
Colour Temp (K)	2700K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Integral Dimmable DALI Driver

by Manufacturer	
by Manufacturer	
by Manufacturer	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

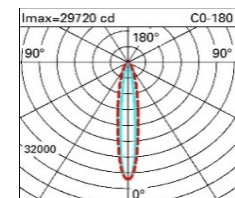
by Manufacturer

by Manufacturer	
by Manufacturer	
by Manufacturer	

Notes

Part of continuous linear run, refer to drawings. Remote PSU to be installed in a dry accessible location. Luminaire operational output to be adjusted and pre-set during commissioning using the lighting controls system to ensure optimal effect and compliance with the relevant standards and regulations

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

L2

Luminaire Reference

Luminaire image

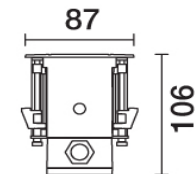
Location	Arrival Square
Function	Facade Lighting
Manufacturer	iGuzzini
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159
Product name	Linealuce Mini 47 recessed
Catalogue Ref.	EX41
Luminaire type	Floor recessed linear luminaire
Description	1502mm long linear luminaire with lensed optics. Ground recessed in front of selected façade panels to highlight signage at ground floor level. Installation details to be coordinated with Architects.
Protection Rating	IP 10 IK 67
Control protocol	DALI
Accessories	Internal longitudinal louvre and all necessary mounting accessories incl. junction connectors for continuous line installation
Finish	TBC by Architects
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.



Dimensions

Width	87 mm
Height	106 mm
Length	1502 mm

Luminaire dimensions



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	Linear LED
No. Lamps	1
Wattage	57.3 W
Light output	4565 lm
Efficacy	80 lm/W
Voltage (or mA)	48V
Beam Angle	Wall Grazing Spot
Colour Temp (K)	2700K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Integral Dimmable DALI Driver

by Manufacturer	
by Manufacturer	
by Manufacturer	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

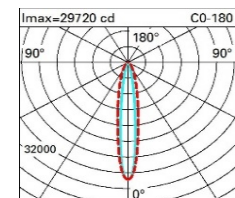
by Manufacturer

by Manufacturer	
by Manufacturer	
by Manufacturer	

Notes

Part of continuous linear run, refer to drawings. Remote PSU to be installed in a dry accessible location. Luminaire operational output to be adjusted and pre-set during commissioning using the lighting controls system to ensure optimal effect and compliance with the relevant standards and regulations

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

L3

Luminaire Reference

Luminaire image

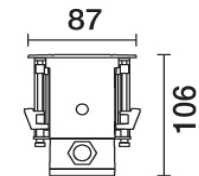
Location	Arrival Square		
Function	Facade Lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	Linealuce Mini 47 recessed		
Catalogue Ref.	EX40		
Luminaire type	Floor recessed linear luminaire		
Description	1205mm long linear luminaire with lensed optics. Ground recessed in selected façade panels to highlight signage at ground floor level. Installation details to be coordinated with Architects.		
Protection Rating	IP 10 IK 67		
Control protocol	DALI		
Accessories	Internal longitudinal louvre and all necessary mounting accessories incl. junction connectors for continuous line installation		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		



Dimensions

Width	87 mm
Height	106 mm
Length	1205 mm

Luminaire dimensions



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	Linear LED
No. Lamps	1
Wattage	46.8 W
Light output	3652 lm
Efficacy	78 lm/W
Voltage (or mA)	48V
Beam Angle	Wall Grazing Spot
Colour Temp (K)	2700K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Integral Dimmable DALI Driver

by Manufacturer	
by Manufacturer	
by Manufacturer	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

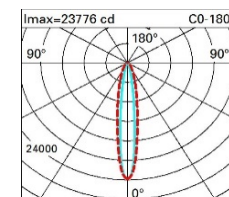
by Manufacturer

by Manufacturer	
by Manufacturer	
by Manufacturer	

Notes

Part of continuous linear run, refer to drawings. Remote PSU to be installed in a dry accessible location. Luminaire operational output to be adjusted and pre-set during commissioning using the lighting controls system to ensure optimal effect and compliance with the relevant standards and regulations

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

L4

Luminaire Reference

Location	Arrival Square
Function	Facade Lighting
Manufacturer	iGuzzini
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159
Product name	Linealuce Mini 47 surface
Catalogue Ref.	EI98
Luminaire type	Surface mounted linear luminaire
Description	1205mm long linear luminaire with lensed optics. Recessed in horizontal trough in selected façade panels to highlight signage. Installation details to be coordinated with Architects. Fixing accessories to be confirmed.
Protection Rating	IP 06 IK 66
Control protocol	DALI
Accessories	Internal longitudinal louvre and all necessary mounting accessories incl. junction connectors for continuous line installation
Finish	TBC by Architects
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containment routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.

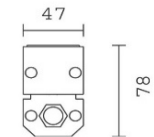
Luminaire image



Dimensions

Width	47 mm
Height	78 mm
Length	1205 mm

Luminaire dimensions



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	Linear LED
No. Lamps	1
Wattage	46.8 W
Light output	3640 lm
Efficacy	78 lm/W
Voltage (or mA)	48V
Beam Angle	Wall Grazing Spot
Colour Temp (K)	2700K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Integral Dimmable DALI Driver

by Manufacturer	
by Manufacturer	
by Manufacturer	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

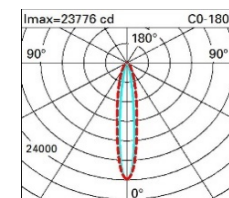
by Manufacturer

by Manufacturer	
by Manufacturer	
by Manufacturer	

Notes

Part of continuous linear run, refer to drawings. Remote PSU to be installed in a dry accessible location. Luminaire operational output to be adjusted and pre-set during commissioning using the lighting controls system to ensure optimal effect and compliance with the relevant standards and regulations

Polar Diagram



LUMINAIRE SPECIFICATION

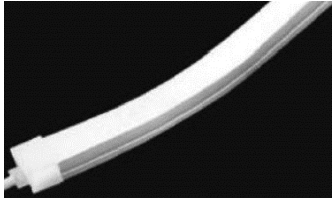
Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

L6

Luminaire Reference

Location	Arrival Square
Function	Bench lighting
Manufacturer	AFX
Contact Details	Name: James Hamilton Email: jh@architecturalfx.co.uk Mobile: 07584188272
Product name	Linear FX 1515 Side Bend IP67
Catalogue Ref.	Linear FX 1515 SV W827 IP67
Luminaire type	Linear LED Luminaire
Description	Flexible linear LED fitting integrated in bench detail. IP67 with uniform lighting surface. Installation details to be coordinated with Architects.
Protection Rating	IP 08 IK 67
Control protocol	DALI
Accessories	All necessary mounting accessories
Finish	N/A
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.

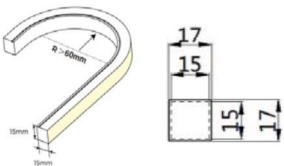
Luminaire image



Dimensions

Width	17 mm
Height	17 mm
Length	as per drawings

Luminaire dimensions



Lamp	
Manufacturer	as above
Catalogue Ref.	-
Description	Linear LED
No. Lamps	1
Wattage	9.6 W
Light output	580 lm
Efficacy	60 lm/W
Voltage (or mA)	24V
Beam Angle	Opal
Colour Temp (K)	2700K
CRI	>80
Base	N/A

Driver:	
Catalogue Ref.	by Manufacturer
Size (LxHxW)	by Manufacturer
Fittings per driver	by Manufacturer

Remote Dimmable DALI Driver	
by Manufacturer	
by Manufacturer	
by Manufacturer	

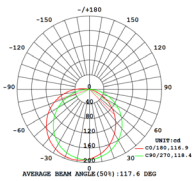
Power Supply:	
Catalogue Ref.	by Manufacturer
Size (LxHxW)	by Manufacturer
Fittings per PSU	by Manufacturer

Remote PSU	
by Manufacturer	
by Manufacturer	
by Manufacturer	

Notes

Remote driver and PSU to be installed in a dry accessible location.
Integration details to be confirmed with further design development.

Polar Diagram



Project: Kenavon Drive, Reading
Reference: LB 0956 LS 01 Luminaire Specification RevBa

S1

Luminaire image

Luminaire dimensions

Technical drawing of a truncated cone. The top view shows a circle with diameter $\varnothing 650$. The side view shows a trapezoid with a height of 190 and a bottom diameter of $\varnothing 323$. The top view also indicates a small central feature.

Driver:

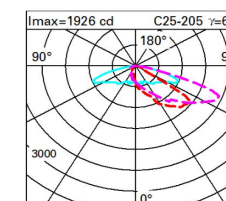
Catalogue Ref.
Size (LxHxW)
Fittings per driver

by Manufacturer

Size (LxHxW)
Fittings per PSU

Notes

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

S2

Luminaire Reference

Location	Riverside Square		
Function	Accent Lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	Multi Palco InOut		
Catalogue Ref.	EI06		
Luminaire type	Post mounted wide beam projector		
Description	Adjustable wide beam spotlight to be installed in array on lighting posts. Fixed via aluminium flange for installation on poles.		
Protection Rating	IP 66 IK 07		
Control protocol	DALI		
Accessories	Accessory support frame. Optical and glare reducing accessories TBC. All necessary fixing accessories for pole installation		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Bezel Ø	119 mm
Length	208 mm
Height	253 mm

Weight	3.85 kg
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Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	26.5 W
Light output	2081 lm
Efficacy	79 lm/W
Voltage (or mA)	230V
Beam Angle	46° Wide Flood
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

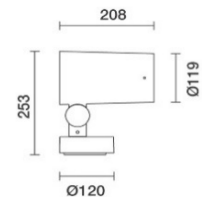
Notes

Installation method to pole to be coordinated with Architects. For installation height and indicative orientation refer to column elevations. Beam angles and precise aiming to be confirmed.

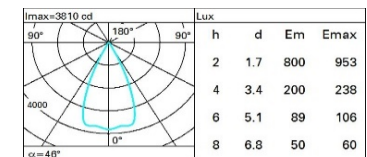
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

S3

Luminaire Reference

Location	Various
Function	Amenity Lighting
Manufacturer	iGuzzini
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159
Product name	Twilight Bilbao
Catalogue Ref.	E823
Luminaire type	Medium height post mounted luminaire
Description	Pole top LED luminaire with ST1.2 road optic and opaque Bilbao shade for general amenity lighting.
Protection Rating	IP 66 IK 10
Control protocol	DALI
Accessories	X483 Diffuser screen - Bilbao. To include all necessary adapters and installation accessories
Finish	TBC by Architects
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.

Dimensions

Width	500 mm
Height	190 mm

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	30.9 W
Light output	2700 lm
Efficacy	87 lm/W
Voltage (or mA)	230V
Beam Angle	ST1.2 - road optic $\theta = 4h / d = 1,2$
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

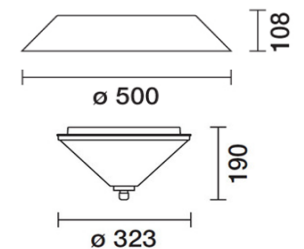
Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

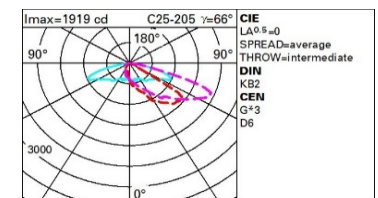
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

S4

Luminaire Reference

Location	Various
Function	Amenity Lighting
Manufacturer	iGuzzini
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159
Product name	Twilight Bilbao
Catalogue Ref.	E015
Luminaire type	Medium height post mounted luminaire
Description	Pole top LED luminaire with elliptical distribution and opaque Bilbao shade for general amenity lighting.
Protection Rating	IP 66 IK 10
Control protocol	DALI
Accessories	X483 Diffuser screen - Bilbao. To include all necessary adapters and installation accessories
Finish	TBC by Architects
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.

Dimensions

Width	500 mm
Height	190 mm

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	30.7 W
Light output	3460 lm
Efficacy	113 lm/W
Voltage (or mA)	230V
Beam Angle	E - Elliptical 97° / 115°
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

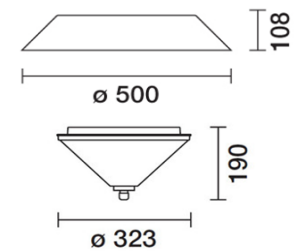
Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

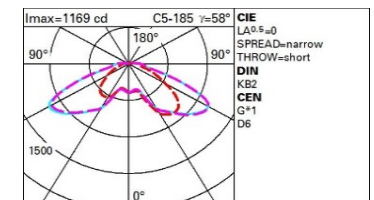
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

S5

Luminaire Reference

Location	Palmer Street		
Function	Accent Lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	Multi Palco InOut		
Catalogue Ref.	EI03		
Luminaire type	Post mounted medium beam projector		
Description	Adjustable wide beam spotlight to be installed in array on lighting posts. Fixed via aluminium flange for installation on poles.		
Protection Rating	IP 66 IK 07		
Control protocol	DALI		
Accessories	Accessory support frame. Optical and glare reducing accessories TBC. All necessary fixing accessories for pole installation		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Bezel ø	119 mm	Weight	3.85 kg
Length	208 mm		
Height	253 mm		

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	18.3 W
Light output	1579 lm
Efficacy	86 lm/W
Voltage (or mA)	230V
Beam Angle	24° Medium
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

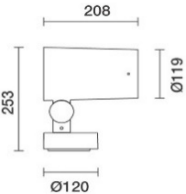
Notes

Installation method to pole to be coordinated with Architects. For installation height and indicative orientation refer to column elevations. Beam angles and precise aiming to be confirmed.

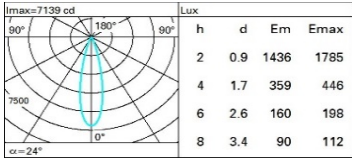
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

S6

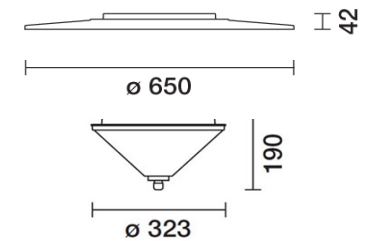
Luminaire Reference

Location	Arrival Square, Huntley Street			
Function	Amenity Lighting			
Manufacturer	iGuzzini			
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159	
Product name	Twilight Canberra			
Catalogue Ref.	E015			
Luminaire type	High post mounted luminaire			
Description	Pole top LED luminaire with elliptical distribution and large Canberra shade for general amenity lighting			
Protection Rating	IP 66 IK 10			
Control protocol	DALI			
Accessories	X484 Diffuser screen - Canberra. To include all necessary adapters and installation accessories			
Finish	TBC by Architects			
Notes	• Refer to manufacturer’s instructions for installation. • All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.			

Dimensions

Width	650 mm
Height	190 mm

Luminaire dimensions



Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	30.7 W
Light output	3460 lm
Efficacy	113 lm/W
Voltage (or mA)	230V
Beam Angle	E-Elliptical 97° / 115°
Colour Temp (K)	3000K
CRI	80
Base	N/A

Driver:

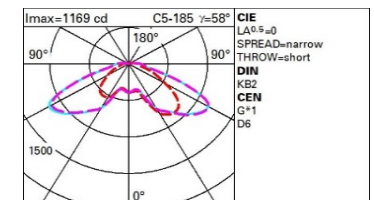
Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

U1

Luminaire Reference

Location	Huntley Street, Riverside Square		
Function	Tree Uplighting		
Manufacturer	Lightgraphix		
Contact Details	Name: Mitchell Wood	Email: Mitchell@lightgraphix.biz	Mobile: +44 (0)1322 527 629
Product name	Special, based on LD155		
Catalogue Ref.	LD155-N1-700/LW30/MB/Custom RAL/ *Special bollard housing		
Luminaire type	Low bollard		
Description	Tree uplighting bollard. Cylindrical bollard housing with slanted top fixed to in-ground concrete block in planters. Adjustable light source. Height to be coordinated with planting heights. Refer to indicative details - precise product design to be developed by Manufacturer.		
Protection Rating	IP 67 IK 00		
Control protocol	DALI		
Accessories	Bespoke bollard housing. All necessary installation accessories		
Finish	Custom RAL by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	120 mm
Height	approx.400mm - TBC

Lamp

Manufacturer	Cree
Catalogue Ref.	CXB1310
Description	N1 LED
No. Lamps	1
Wattage	14.0 W
Light output	932 lm
Efficacy	67 lm/W
Voltage (or mA)	700mA
Beam Angle	35° medium
Colour Temp (K)	3000K
CRI	93
Base	N/A

Driver:

Catalogue Ref.
Size (LxHxW)
Fittings per driver

Power Supply:

Catalogue Ref.
Size (LxHxW)
Fittings per PSU

Notes

Dimmable DALI Driver housed in bollard

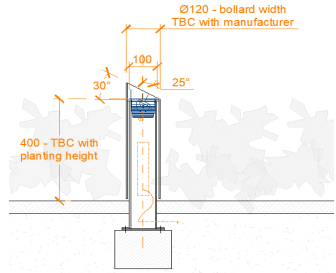
by Manufacturer

1

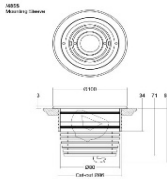
by Manufacturer

Allow for suitable concrete footing in planters for bollard installation.
Footing dimensions and depth to be coordinated.

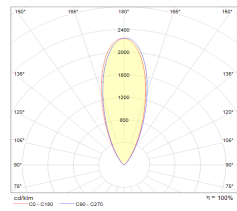
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

U2

Luminaire Reference

Location	Riverside Square			Luminaire image
Function	Water feature lighting			
Manufacturer	TBC			
Contact Details	Name:	Email:	Mobile:	
Product name	TBC			
Catalogue Ref.	TBC			
Luminaire type	Ground recessed uplight			
Description	Ground recessed submersible uplight to illuminate water feature. To be coordinated with developed feature design			
TBC				
Protection Rating	IP 68	IK 10		
Control protocol	DMX			
Accessories	All necessary installation accessories including in-ground housing			
Finish	TBC			
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.			
Dimensions	Luminaire dimensions			
Width	TBC			
Height	TBC			
Lamp	Driver:		Remote Dimmable DALI Driver	
Manufacturer	TBC	Catalogue Ref.	by Manufacturer	
Catalogue Ref.	-	Size (LxHxW)		
Description	LED	Fittings per driver		
No. Lamps	1			
Wattage	20.0 W	Power Supply:	by Manufacturer	
Light output	-	Catalogue Ref.		
Efficacy	N/A	Size (LxHxW)		
Voltage (or mA)	TBC	Fittings per PSU		
Beam Angle	TBC			
Colour Temp (K)	TBC	Notes		
CRI	N/A	Location and housing of remote electronic gear to be further		
Base	N/A	coordinated. Maximum light source power shown indicatively.		
TBC				

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

U3

Luminaire Reference

Location	Riverside Square, Palmer Street		
Function	Feature planter lighting		
Manufacturer	Roger Pradier		
Contact Details	Name: Thibaud Toitot	Email: TTOITOT@roger-pradier.com	Mobile: +33 6 42 73 20 69
Product name	Moon Bollard		
Catalogue Ref.	*Custom		
Luminaire type	Diffuse globe floor light		
Description	Diffuse surface mounted low bollard in planters. Bespoke bollard body including bracket for secure mounting in soft landscape. Details and installation to be developed further and coordinated with Landscape Architect.		
Protection Rating	65* IK 08		
Control protocol	Mains Trailing Edge		
Accessories	All necessary installation accessories		
Finish	Opal white PMMA acrylic cover. Base finish TBC with Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	300 mm
Height	TBC

Lamp

Manufacturer	Philips
Catalogue Ref.	871869966068000
Description	CorePro LEDbulb D 13-100W A60 E27 927
No. Lamps	1
Wattage	13.0 W
Light output	1521 lm
Efficacy	117 lm/W
Voltage (or mA)	230V
Beam Angle	Opal
Colour Temp (K)	2700K
CRI	90
Base	E27

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

Remote Dimmable DALI Driver

by Manufacturer

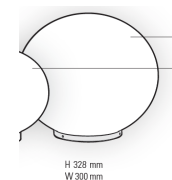
by Manufacturer

Location and housing of remote electronic gear to be further coordinated. Maximum light source power shown indicatively.

Luminaire image



Luminaire dimensions



Bespoke base detail - to be further developed

Polar Diagram

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

Luminaire Reference

Location	Podium Gardens		
Function	Tree Uplighting		
Manufacturer	Lightgraphix		
Contact Details	Name: Mitchell Wood	Email: Mitchell@lightgraphix.biz	Mobile: +44 (0)1322 527 629
Product name	LD10238		
Catalogue Ref.	LD10238-E1-700/LW27/WB/Custom RAL/GS/HL		
Luminaire type	Spotlights		
Description	Tree uplighting spot installed via ground spike in private podium garden planters. Spike with lockable tilt. Adjustable head. Installation height to be coordinated with planting heights.		
Protection Rating	IP 67 IK 00		
Control protocol	DALI		
Accessories	Honeycomb louvre. Ground spike and all necessary installation accessories		
Finish	Custom RAL by Architects		
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	119 mm
Bezel ø	60 mm
Height	400 mm

Lamp

Manufacturer	Cree
Catalogue Ref.	XHP35
Description	E1 LED
No. Lamps	1
Wattage	10.0 W
Light output	520 lm
Efficacy	52 lm/W
Voltage (or mA)	700mA
Beam Angle	34° wide
Colour Temp (K)	2700K
CRI	85
Base	N/A

Driver:

Catalogue Ref.	
Size (LxHxW)	
Fittings per driver	

Power Supply:

Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

Remote Dimmable DALI Driver

by Manufacturer	
by Manufacturer	

by Manufacturer

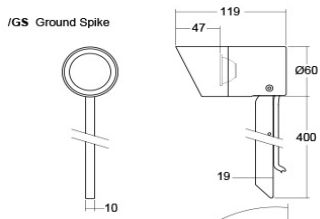
Location and housing of remote drivers to be further coordinated.

U4

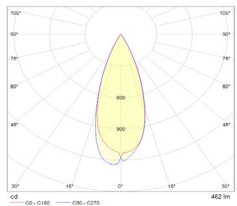
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

W1

Luminaire Reference

Location	Various			
Function	Amenity Lighting			
Manufacturer	iGuzzini			
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159	
Product name	Twilight Bilbao wall mounted			
Catalogue Ref.	E892			
Luminaire type	Wall mounted luminaire			
Description	Wall mounted street LED luminaire with ST1C comfort road optic and opaque Bilbao shade			
Protection Rating	IP 66 IK 10			
Control protocol	DALI			
Accessories	X483 Diffuser screen - Bilbao. To include all necessary adapters and installation accessories			
Finish	TBC by Architects			
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.			

Dimensions

Width	500 mm	Weight	6.5 kg
Height	239 mm		
Length	561 mm (arm bracket - TBC)		

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	31.3 W
Light output	2320 lm
Efficacy	74 lm/W
Voltage (or mA)	230V
Beam Angle	ST1C - comfort road optic $I = 3,7h / d = 1$
Colour Temp (K)	3000K
CRI	70
Base	N/A

Driver:

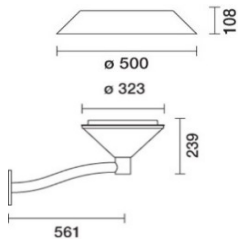
Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

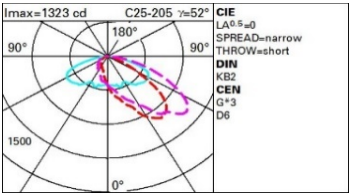
Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

W2

Luminaire Reference

Location	Riverside Square		
Function	Amenity Lighting		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	Twilight Bilbao wall mounted		
Catalogue Ref.	E892		
Luminaire type	Wall mounted luminaire		
Description	Wall mounted street LED luminaire with ST1C comfort road optic and translucent Bilbao shade		
Protection Rating	IP 66 IK 10		
Control protocol	DALI		
Accessories	JYY2 PMMA Diffuser screen - Bilbao. To include all necessary adapters and installation accessories		
Finish	TBC by Architects		
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	500 mm
Height	239 mm
Length	561 mm (arm bracket - TBC)

Lamp

Manufacturer	as above
Catalogue Ref.	-
Description	LED
No. Lamps	1
Wattage	31.3 W
Light output	2320 lm
Efficacy	74 lm/W
Voltage (or mA)	230V
Beam Angle	ST1C - comfort road optic I = 3,7h / d = 1
Colour Temp (K)	3000K
CRI	70
Base	N/A

Weight	6.5 kg
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Driver:

Catalogue Ref.	Integral Dimmable DALI Driver
Size (LxHxW)	by Manufacturer
Fittings per driver	

Power Supply:

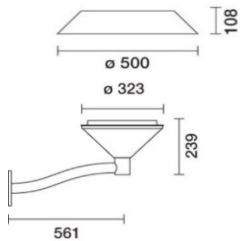
Catalogue Ref.	
Size (LxHxW)	
Fittings per PSU	

Notes

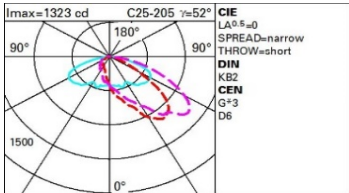
Luminaire image



Luminaire dimensions



Polar Diagram



LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading

Reference: LB_0956_LS_01_Luminaire Specification_RevBa

W3

Luminaire Reference

Location	Residential Entrances		
Function	Amenity Lighting		
Manufacturer	Astro Lighting		
Contact Details	Name: Karl Mobley	Email: kmobley@astrolighting.com	Mobile: +44 (0)785 008 9717
Product name	Mast Light		
Catalogue Ref.	13170XX		
Luminaire type	Wall mounted luminaire		
Description	Discreet shielded decorative wall light to illuminate residential entrances. Design to be coordinated with Architects		
Protection Rating	IP 65 IK 10		
Control protocol	Mains Trailing Edge		
Accessories	All necessary mounting accessories		
Finish	TBC by Architects		
Notes	- Refer to manufacturer's instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer's drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		

Dimensions

Width	85 mm
Height	135 mm
Weight	0.46 kg

Lamp

Manufacturer	Ziko Lighting
Catalogue Ref.	ZIBLGU10/6W2730B
Description	PAR16 LED Bulb
No. Lamps	1
Wattage	6.0 W
Light output	450 lm
Efficacy	75 lm/W
Voltage (or mA)	230V
Beam Angle	30° Shielded
Colour Temp (K)	2700K
CRI	95
Base	GU10

Driver:

Catalogue Ref.
Size (LxHxW)
Fittings per driver

Power Supply:

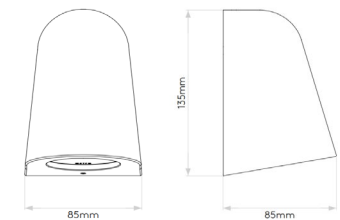
Catalogue Ref.
Size (LxHxW)
Fittings per PSU

Notes

Luminaire image



Luminaire dimensions



Polar Diagram

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

P1, P1a

Equipment Reference

Location	Arrival Square, Riverside Square, Huntley Street			Equipment image
Function	Lighting Post			
Manufacturer	iGuzzini			TBC
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159	
Product name	6000mm tall pole			
Catalogue Ref.	by Manufacturer			
Luminaire type	High post for lighting			
Description	6000mm tall lighting pole for the installation of Twilight luminaires. Column geometry, installation method and details TBC			
Protection Rating	IP 66 IK 10			
Control protocol	0			
Accessories	All necessary installation accessories and connections			
Finish	TBC by Architects			
Notes	• Refer to manufacturer’s instructions for installation. • All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.			
Dimensions				Equipment dimensions
Body ø	TBC			
Height	6000 mm			

TBC

Equipment dimensions

TBC

Refer to column elevations schedule

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

P2, P2a

Equipment Reference

Location	Various		
Function	Lighting Post		
Manufacturer	iGuzzini		
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159
Product name	4000mm tall pole		
Catalogue Ref.	by Manufacturer		
Luminaire type	Medium high post for lighting		
Description	4000mm tall lighting pole for the installation of Twilight luminaires. Column geometry, installation method and details TBC		
Protection Rating	IP 66 IK 10		
Control protocol	0		
Accessories	All necessary installation accessories and connections		
Finish	TBC by Architects		
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.		
Dimensions			
Body ø	TBC		
Height	4000 mm		

Equipment image

TBC

Equipment dimensions

TBC

Refer to column elevations schedule

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

P3

Equipment Reference

Location	Palmer Street			Equipment image
Function	Lighting Post			
Manufacturer	iGuzzini			TBC
Contact Details	Name: Liam Tallis	Email: Liam.Tallis@iguzzini.co.uk	Mobile: +44 (0) 07879 047159	
Product name	6000mm tall pole			
Catalogue Ref.	by Manufacturer			
Luminaire type	High post for lighting			
Description	6000mm tall lighting pole for the installation of for the installation of Multi Palco InOut projectors in array. Column geometry, installation method and details TBC.			
Protection Rating	IP 66 IK 10			
Control protocol	0			
Accessories	All necessary installation accessories and connections			
Finish	TBC by Architects			
Notes	• Refer to manufacturer’s instructions for installation. • All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.			
Dimensions				Equipment dimensions
Body ø	TBC			
Height	6000 mm			

TBC

Refer to column elevations schedule

LUMINAIRE SPECIFICATION

Project: Kenavon Drive, Reading
Reference: LB_0956_LS_01_Luminaire Specification_RevBa

P4

Equipment Reference

Location	Riverside Square	Equipment image
Function	Lighting Post	
Manufacturer	iGuzzini	Equipment image
Contact Details	Name: Liam Tallis Email: Liam.Tallis@iguzzini.co.uk Mobile: +44 (0) 07879 047159	
Product name	6000mm tall pole	Equipment image
Catalogue Ref.	by Manufacturer	
Luminaire type	High post for lighting	Equipment image
Description	6000mm tall lighting pole for the installation of Twilight luminaires and Palco spotlights. Column geometry, installation method and details TBC	
Protection Rating	IP 66 IK 10	Equipment image
Control protocol	0	
Accessories	All necessary installation accessories and connections	Equipment image
Finish	TBC by Architects	
Notes	- Refer to manufacturer’s instructions for installation. - All wiring, conduits, containments routes etc. to electrical engineer’s drawings, detail & specification. All associated mounting, fixing & bracket to architects drawings details and specification.	Equipment image
Dimensions		
Body ø	TBC	Equipment dimensions
Height	6000 mm	

TBC

Equipment dimensions

TBC

Refer to column elevations schedule