



**Tottenham House – Sunken Lawn**

**L10751A**

**LIGHTING EQUIPMENT SPECIFICATION  
L10751A-LES-SL**

**Revision: 00**

**13<sup>th</sup> March 2026**

## **PREAMBLE**

### **1. GENERAL CONDITIONS**

- 1.1 The specification sheets indicating the lighting design requirements for specific areas within this project form part of this document and should be read in conjunction with these preambles and the Lighting Consultant's relevant drawings, and associated sketches.
- 1.2 This specification supersedes all previous issues.

### **2. STANDARDS COMPLIANCE**

- 2.1 For projects in the United Kingdom, all equipment supplied shall comply with the relevant BS, EN, IEC, and C.E. requirements, and be capable of installation in accordance with the manufacturers' instructions, the current edition of the IEE Wiring Regulations and all statutory and local authority requirements. Standard requirements particular to individual luminaire types are indicated on the relevant specification sheet.
- 2.2 Notwithstanding the above, the following British Standards in particular should be checked for compliance:
- BS 559 Electric signs and high voltage luminous discharge tube installations.
  - BS 3535 Safety isolating transformers for industrial and domestic purposes.
  - BS 4533 Luminaires.
- 2.3 All wiring is to be carried out in accordance with the current IEE Wiring Regulations or the relevant national standards.
- 2.4 For projects outside the United Kingdom, all equipment supplied shall comply with the relevant standards currently in force in the project's country of origin.
- 2.5 The cost of obtaining any necessary approvals shall be included in any tender price, detailed as a separate item.

### **3. SAMPLES & PROTOTYPES**

- 3.1 The Electrical Contractor shall provide samples of all luminaires for approval, including installation in mock-ups, as required.
- 3.2 Should a sample of a standard, or prototype of a special luminaire or variant of a standard luminaire be ordered, its cost shall either be incorporated in a tender price, or shall be invoiced to the Client or his nominated representative separately, as agreed.
- 3.3 Any such sample prototype or variant shall comply with the lighting design specification, and shall be submitted to the Lighting Consultant, together with full photometric and dimensional data if specifically requested, to enable both its accurate assessment and the detailing of any adjustments deemed necessary prior to the commencement of full production.

### **4. 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. GUARANTEES**

- 5.1** 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.

## **6. TECHNICAL REQUIREMENTS**

### **6.1 Luminaires**

- 6.1.1** 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.
- 6.1.2** Should alternative equipment be offered, full technical and photometric data shall be supplied to DPA LIGHTING CONSULTANTS LONDON in time to enable its accurate assessment. If any variants of standard luminaires are required, these shall be developed by the manufacturer of the standard luminaire, unless otherwise specifically stated, and shall be manufactured to the same standards as the equivalent standard luminaire.
- 6.1.3** Two copies of all working drawings of proposed variants, dimensioned in mm, shall be supplied to DPA LIGHTING CONSULTANTS LONDON for approval prior to fabrication.
- 6.1.4** 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.
- 6.1.5** DPA LIGHTING CONSULTANTS LONDON cannot accept responsibility for the installation of non-approved luminaires.
- 6.1.6** The final location of each luminaire and where relevant its integration with the architecture shall be as detailed on the construction issue drawings. DPA LIGHTING CONSULTANTS LONDON cannot accept responsibility for luminaires installed in a manner other than intimated in the relevant drawings or as otherwise agreed and noted in writing.
- 6.1.7** All quantities are to be checked against the appropriate drawings by the Electrical Contractor.
- 6.1.8** The Electrical Contractor is to verify the dimensions required for all cold cathode, linear LED, linear xenon and fibre optic installations prior to order.
- 6.1.9** The Electrical Contractor shall confirm all fixing details, cut out and recess dimensions with manufacturers.

### **6.2 Control Gear**

- 6.2.1** 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.
- 6.2.2** All control gear, transformers and emergency battery packs for ceiling recessed fittings are to be accessed through the ceiling cut out unless it is stated otherwise in the specification.
- 6.2.3** The Electrical Contractor is to ensure the correct supply voltage is provided at the lamp.
- 6.2.4** The Electrical Contractor shall ensure compatibility between control gear, transformers and emergency battery packs and the specified lighting control system.

- 6.2.5 Unless otherwise stated, all transformers shall be suitable for dimming on their primary side via a thyristor controlled remote lighting control system.
- 6.2.6 All transformers are specified for each individual fitting (unless indicated otherwise).
- 6.2.7 Transformers can either be toroidal wire wound or electronic. If electronic, the preferred manufacturer is either Intram Barwell or Mode Lighting. Alternatively, the light fitting supplier may also supply the transformer with their fitting, provided that it is of good quality.
- 6.2.8 All transformers are to include thermal overload and short-circuit protection.
- 6.2.9 Low voltage transformers with nominal 12 volts output shall provide 11.4 volts actual and 24 volts nominal shall provide 22.8 volts.
- 6.2.10 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.
- 6.2.11 All equipment shall be protected from unexpected mains failure, and mains borne interference.
- 6.2.12 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.

### 6.3 Lamps

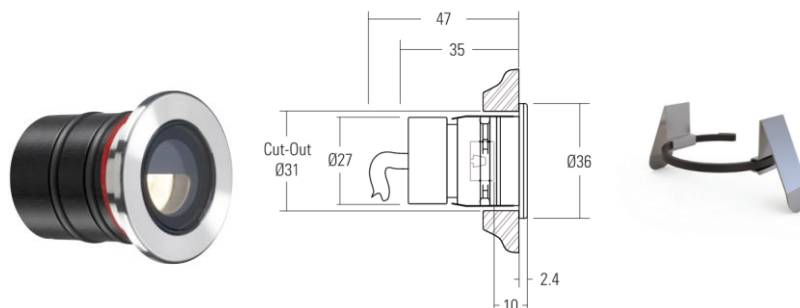
- 6.3.1 Incandescent and tungsten halogen lamps shall not be operated, other than for initial testing, prior to final inspection.
- 6.3.2 Lamps are generally specified by manufacturers name (e.g. Osram). Should alternative lamps be offered, these may be substituted without the approval of DPA LIGHTING CONSULTANTS LONDON except where noted below, provided particular attention is paid to lumen output, colour rendering, colour temperature, light distribution, life expectancy and general performance when selecting such alternatives.
- 6.3.3 For fluorescent and HID sources, alternative lamps may only be substituted if full technical data is first supplied to DPA LIGHTING CONSULTANTS LONDON to enable their accurate assessment and approval.
- 6.3.4 For low voltage reflector lamps, alternatives may only be substituted where the lamp has the same beam angle, peak intensity, lamp cover and shield characteristics as the lamp specified.

## 7. COMMISSIONING

- 7.1 The final focussing and scene setting of the installation must be undertaken with DPA LIGHTING CONSULTANTS LONDON and a lighting control technician in attendance. The programming of a lighting control system with a written lighting scene schedule shall not constitute completion.
- 7.2 The Electrical Contractor is to ensure that adequate personnel and all necessary access equipment are provided for such scene setting and focussing as are required to commission the installation.

### Notes:

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Luminaire Reference:</b>   | <b>LXW3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                             |
| <b>Manufacturer's Ref:</b>    | <b>Light Graphix</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>LD44Y</b><br><b>Ref.: LD44Y/LW22/NB/A/GS44-45/Flamed Solid Bronze/SC</b> |
| <b>Accessories:</b>           | Spring clips<br>Remote DALI driver<br><b>Tails (prewired length of cable) length TBC by installing contractor.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |
| <b>Luminaire Location:</b>    | South Parterre - Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                             |
| <b>Luminaire Description:</b> | Low glare, exterior rated, recessed wall light.<br><br><b>Note:</b> Supplier to include for all necessary components for correct installation and operation. Please refer to lighting consultant to verify details if required prior to quotation. Contractor and supplier to be responsible for verifying site dimensions prior to manufacture.<br><br><b>IP67</b><br><br>Remote DALI dimmable drivers to be located in accessible and ventilated location.<br><b>To be compatible with dimming system – Supplier and contractor to check this before delivering to site.</b> Driver to dim down to <b>1% light output</b> , smooth brightness changes, excellent flicker performance, adaptable dimming curves, configurable minimum dimming level. Low inrush current and total harmonic distortion. |                                                                             |
| <b>Dimensions:</b>            | Diameter: 36 mm, Height: 35 mm<br>Cut out: 31mm diameter, Recess Depth: 47 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |
| <b>Finish:</b>                | Flamed Solid Bronze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                             |
| <b>Fixing Method:</b>         | Via Spring clips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |
| <b>Lamp:</b>                  | <b>LEDs supplied with luminaire</b><br>Wattage: 2.3W, Beam Angle: 12°, Lamp Base: NA, Correlated Colour Temperature (CCT): 2200 K, Colour Rendering Index (CRI): 93, Lumen Output: 180 lm, Rated Life: L90B5 at 90,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |

**Luminaire Illustration:**

**LIGHTING MANUFACTURERS / SUPPLIER CONTACT SCHEDULE**

| Manufacturer / Supplier | Contact Details                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Light Graphix           | Contact: Ben Watts<br>Tel: +44 (0)1322 527629<br>Mob:<br>Email: <a href="mailto:ben@lightgraphix.bi">ben@lightgraphix.bi</a> |

**REVISIONS**

| Rev | Description                | By | Date       |
|-----|----------------------------|----|------------|
| 00  | First Issue – For Planning | IK | 13.03.2026 |
|     |                            |    |            |
|     |                            |    |            |
|     |                            |    |            |
|     |                            |    |            |
|     |                            |    |            |
|     |                            |    |            |
|     |                            |    |            |