Detailed Lighting Specification – Mayfield Medlock Limited/ Estate Road

This document outlines the stage 4 specialist lighting specification for the above project.

Document revision	Revision note	Issue date
01	Stage 3	12-12-2023
02	Stage 3 Update	19-01-2024
03	Stage 4 Update	29-02-2024

Document prepared by : EF
Document Approved by : CS

Introduction

The information contained within this specification is based on manufacturers information during stage 4. It is the contractor's responsibility to liaise with each manufacturer during the design and build phase and confirm / check final product details / references prior to ordering.

If products are discontinued or no longer available during the design and build stage, the electrical contractors are to advise Studiofractal and issue a request for an alternative specification.

Tender - It is the contractor's responsibility to confirm final quantities and lengths of fittings in preparation of tender pricing.

Prior to ordering, it is the contractor's responsibility to confirm final quantities and lengths of fittings, based on final construction drawings.

Contractor to arrange working samples of each light fitting for review and sign off by the design team. Note that the design team may request some samples to be installed in temporary mock-ups to review quality of beam angle and light distribution.

Contractor to take responsibility for luminaire installation including but not limited to all fixings / suspension cables / suspension rods / special mounting brackets and electrical infrastructure such as junction boxes, containment, uni strut, cable sizing and specification etc.

Special RAL finishes - Prior to ordering it is the contractor's responsibility to prepare a schedule of luminaire finishes to be checked against final architectural finishes. Architects and lighting designers to approve final luminaire finishes.

LED Drivers - Where LED drivers are installed remotely it is the electrical contractor's responsibility to confirm that the final positions are within the manufacturers recommended maximum distances and utilise the correct cable size. Design intent information has been included within studiofractal stage 4 documentation but should be developed by contractor based on site conditions.

LED's - All luminaires to utilise LED's within 3 Macadams Ellipse and be CRI 80+ unless otherwise stated.

Colour temperature - Refer to individual specification pages for LED colour temperatures.

Reference - Specification to be read in conjunction with Studiofractal lighting drawings and lighting control brief.

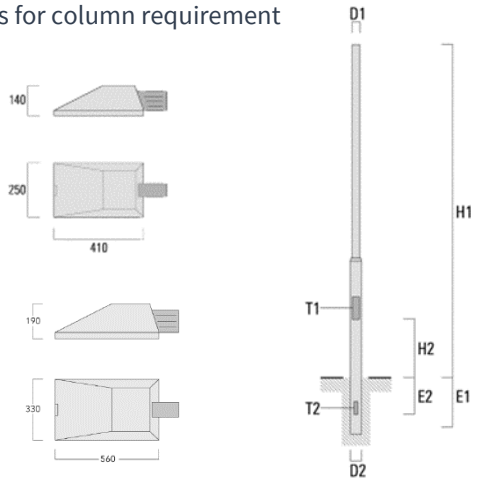
Fixture ref	**C3-To match Mayfield Park**
Manufacturer/Ref	**WE-EF PFL240 LED 108-1689 and PFL230 108-2491 on 6000mm pole**
Accessory	**To be supplied with DALI dimmable driver, Pole bracket (size of the clamp tbc), 6000 mm column**
Contact	Name : Simon White
	Office : +44 (0)20 7403 4123
	Mobile : +44 (0)7510369043
	Email : s.white@we-ef.com
Lamp	Manufacturer : N/A
	Description : LED
	Lamp colour : 3000K
	No. lamps : single
Luminaire description	6m Column complete with 1 x IP66, Pole mounted, 59W, LED, 7740 delivered lumens, 3000K, rectangular-side throw beam , CRI > 80 mounted at 6m and 1 x IP66, Pole mounted, 41W, LED, 4860 delivered lumens, 3000K, asymmetric-side throw beam , CRI > 80, mounted at 5m. Column to be provided with single clamp brackets. Columns to be supplied with access hatch at low level and complete with timber backboard for electrical cutout (electrical cutout supplied by contractor). Doors to have standard tri-key lock. Column supplier to ensure columns are in-line with latest BS/EN requirements and the foundation type is agreed with contractor prior to order. Manufacturer to provide drawings for design team approval prior to order. Electrical engineer to confirm compatibility between control gear / transformer and lighting control system. Electrical engineer to confirm compatibility between control gear / transformer and lighting control system.
Appearance	RAL 7021
Notes	
Location	G/F

Image



Dimensions

H1: 6000mm Please refer to SF drawings for column requirement



Fixture ref	**C3A-To match Mayfield Park**
Manufacturer/Ref	**WE-EF PFL240 LED 108-1689 and PFL230 108-2491 on 6000mm pole**
Accessory	**To be supplied with DALI dimmable driver, Pole bracket (size of the clamp tbc), 6000 mm column, Reinforced for CCTV deflections requirements**
Contact	Name : Simon White
	Office : +44 (0)20 7403 4123
	Mobile : +44 (0)7510369043
	Email : s.white@we-ef.com
Lamp	Manufacturer : N/A
	Description : LED
	Lamp colour : 3000K
	No. lamps : single
Luminaire description	6m Column complete with 1 x IP66, Pole mounted, 59W, LED, 7740 delivered lumens, 3000K, rectangular-side throw beam , CRI > 80 mounted at 6m and 1 x IP66, Pole mounted, 41W, LED, 4860 delivered lumens, 3000K, asymmetric-side throw beam , CRI > 80, mounted at 5m. Column to be provided with single clamp brackets. Columns to be supplied with access hatch at low level and complete with timber backboard for electrical cutout (electrical cutout supplied by contractor). Doors to have standard tri-key lock. Columns to be reinforced to meet the VSS requirements of +/- 20mm at wind speeds of 100kph mounted at 4m. Camera weight to be <8kg, 10mm electrical gland required. Final Camera spec tbc by VSS consultant. Column supplier to ensure columns are in-line with latest BS/EN requirements and the foundation type is agreed with contractor prior to order. Manufacturer to provide drawings for design team approval prior to order. Electrical engineer to confirm compatibility between control gear / transformer and lighting control system.
Appearance	RAL 7021
Notes	
Location	G/F

Image



Dimensions

H1: 6000mm Please refer to SF drawings for column requirement

