



Key

Proposed 5.0m hinged aluminium lighting column with post-top mounted Urbis Flexia Top Deep Shape 5304/20LED/500mA/WW/3000K 4.12 km luminaire with CELtek CMS enabled luminaire c/w mini photo-electric cell (35 lux on/18 lux off) supplied from feeder pillar

Proposed Urbis Pharos asymmetrical 8-XP-G3/350mA/WW/3000K/11W/448323/0.89 km cylindrical bollard with supply from feeder pillar

Proposed feeder pillar

0.5

1.0

2.0

5.0

10

15

25

Horizontal illuminance (contours indicate projected lux values at ground level, excluding the screening effect of buildings, trees, hedges etc.)



- Notes
1.

The street lighting layout shall comply with the requirements of BS5489-1:2020 and BS EN 13201-2:2015 Class C4 (10 lux) for town centres.
2.

The street lighting installation shall comply fully with Merthyr Tydfil County Borough Council's street lighting specification and the Manual of Contract Documents for Highway Works. Electrical supplies to be confirmed at detailed design stage.
3.

Road lighting columns shall be of hinged aluminium construction with flush door, dual tri-head locking mechanism and root protection, as manufactured by the Aluminium Lighting Company (6000 series) or similar approved. Columns shall be fabricated and installed in accordance with the manufacturer's instructions, taking account of local soil conditions and wind factor.
4.

The installation shall be installed, tested and commissioned in accordance with "Requirements For Electrical Installations - IET Wiring Regulations (18th edition) with appropriate test certificates issued to the Project Manager on completion of the Works.
5.

This drawing shall be used solely for the purpose described in the drawing title, as other details may be inaccurate.

- Local Ecology
- Mitigation measures to ensure that retained habitats in and around the site used by protected and notable species will not be adversely affected by artificial light:
- Specification of full cut-off directional LED luminaires with no lightspill above the horizontal in accordance with ILP Guidance note for the reduction of obtrusive light (GN 01/21)

Specification of warm white (3000K) colour temperature luminaires with no UV and a lower blue light content in accordance with guidance in ILP/BCT Guidance Note - Bats and artificial lighting in the UK (GN 08/23).

CELtek central management System allows remote dimming and switching of luminaires by MTCBC post construction.

P01

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MB

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First Issue

30/04/2024

Rev

Drawn

Chkd

App'd

Description

Date

Purpose of Issue

S4 - Issued For Approval

Classification

Confidential

Client

Merthyr Tydfil
County Borough Council

Project

Merthyr Skate Park

Drawing

Footpath Lighting

Scale @ A1

Drawn

Checked

Approved

1:200

JF

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Project No.

Date

GC/004243

30 APR 2024

Drawing Identifier

Project - Originator - Zone - Level - File Type - Role - Number

GC4243-WSP-13-XX-DR-E-1301

P00



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SAFETY, HEALTH AND
ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

No significant risks identified.

Refer to Designers CDM Risk/Hazard Identification Sheet for further information

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

