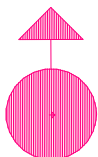


KEY TO LUMINAIRES:

Index Reference: B
Note: Existing fitting, exact type unknown, used for calculation purposes only



Manufacturer: Thorn
Product Name: R2L2

Light Source: LED 18,000 lumens, 4000K
Optic: NR

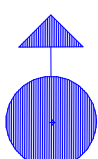
Tilt Angle: 0°

Mounting:
Post-top on 12m column

Finish: Light Grey

*Column locations to be agreed onsite prior to installation by the overseeing organisation.

Index Reference: D
Note: New fitting positions



Manufacturer: Thorn
Product Name: R2L2

Light Source: LED 18,000 lumens, 4000K
Optic: NR

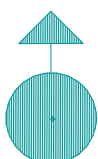
Tilt Angle: 0°

Mounting:
Post-top on 12m column

Finish: Light Grey

*Column locations to be agreed onsite prior to installation by the overseeing organisation.

Index Reference: F
Note: New fitting positions



Manufacturer: Thorn
Product Name: R2L2

Light Source: LED 8,000 lumens, 4000K
Optic: NR

Tilt Angle: 0°

Mounting:
Post-top on 12m column

Finish: Light Grey

*Column locations to be agreed onsite prior to installation by the overseeing organisation.

CDM Pre-Construction Information

The following information is provided in accordance with Regulation 9 of the CDM Regulations 2015:

- Lighting system requires installation and maintenance at height. Installer / maintainer to ensure safe working platform suitable for work activity with safe means of access is supplied in accordance with Working at Height regulations (2005), with appropriate risk assessment and method statements.
- Presence of Services within ground and overhead - Contractor to locate and provide adequate/safe method of working.
- Installation / maintenance to be carried out by qualified / competent individual.
- The hazards identified above should not be assumed to be the only hazards that could be present on this site.

General Notes:

- The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
- The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
- Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.

Project Notes:

Rail Central Junction 15a
Luminaire Specification Design Calculations
based upon BS5489

Road category: **M4**
Speed Limit: **70mph**
Excluded user: **None**
Expected traffic flow per day: **Unknown**
Lighting Class: **M4** with minimum number of columns, **C3** for the junctions

Mounting height on lighting column:
12m (light source)
Projection bracket (Profile & length): **1.5m**
Lantern inclination: **0°**
Light source: **LED**
Lantern type: **Thorn R2L2 / Colour temp – 4000K**
Overall maintenance factor (MF): **1**

Glare class (EN13201-2) / Obtrusive light control:
G3

Column Siting in accordance to BS5489-1:2003
Annex J (where practicable)

Architect

N/A

Client

ASHFIELD LAND

www.hoarelea.com



Project Title

JUNCTION 15A
APPENDIX 21.2a - EXTERNAL OPERATIONAL
LIGHTING PARAMETER PLAN

Drawing Title

JUNCTION 15A
ILLUMINATION IMPACT PROFILE

BRISTOL

Drawn by	Designed by	Reviewed by
SMK	SMK	DDM
Project No	Date	Scale @ A1
16/02403	01/02/18	NTS
DRAWING NUMBER		Revision
1602403-HL-XX-XX-DR-630-E-0005		00