

Folio with Aluminium Columns

4M, 6M, Twin 180, Twin 90 & Wall mounted versions

IP66    

DESCRIPTION	APPROX. kg
4M High Single 38W/50W LED ●	22.0
6M High Single 38W/50W LED ●	30.0
6M High Twin 180° 2x38W/50W LED	40.0
6M High Twin 90° 2x38W/50W LED	40.0
Wall mounted 38W/50W LED	9.6

● = Folio head units complete with power packs are factory fitted to the SINGLE aluminium columns to ensure swift installation on site.

NOTE : SMART EXTERNAL Versions + 0.1kg



Do not stare at operating lamp. May be harmful to the eyes. Ne pas fixer la lampe en fonctionnement. Vermeiden Sie den direkten Blick auf die Lampe während diese in Betrieb ist. Si prega di non guardare dentro la lampada accesa



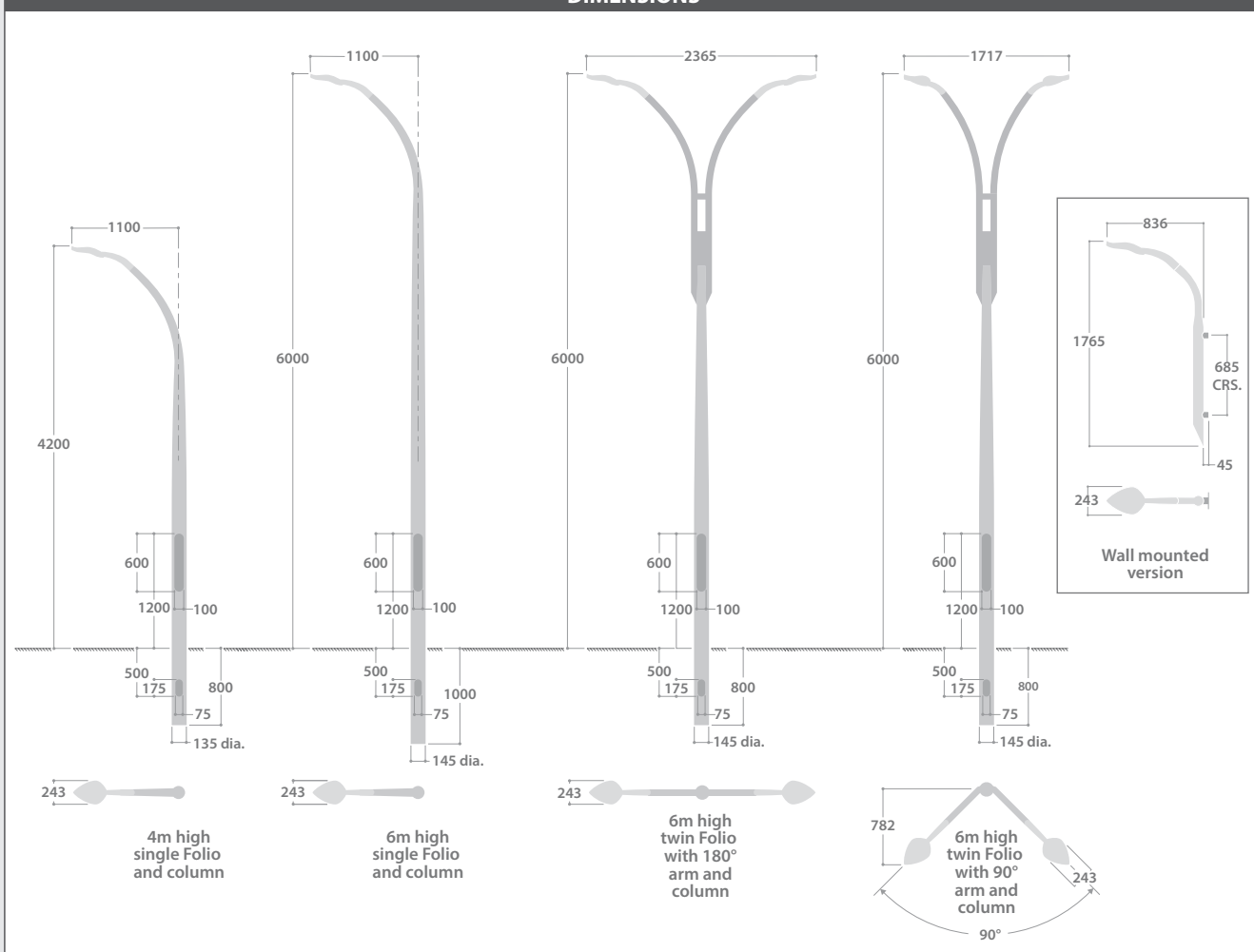
The light source (LED's) contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person

La source lumineuse (LED) de cet appareil, ne doit être changée que par le fabricant, ou toute autre personne qualifiée.

Der Austausch der Lichtquelle (LEDs) dieser Leuchte darf ausschließlich durch den Hersteller- oder einer dafür qualifizierten Person erfolgen

Sostituire la LED interna della luminare e solo permesso al produttore o al servizio di assistenza o pure una simile persona qualificata.

DIMENSIONS

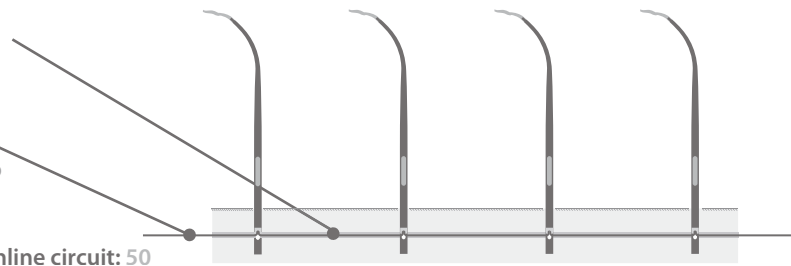


CABLE DIAGRAM

Protected Underground Cabling (Cable Duct)
 3 Core Cable - Standard/Photocell
 5 Core Cable - (if using Smart External)

Maximum Power Consumption: 45W Per Folio
 Supply Voltage Range: 220V to 240V
 Maximum Motionline Distance: 500M

Maximum number of luminaires on one motionline circuit: 50



1a ATTACHING TWIN COMPONENTS

Secure to existing poles x4
(M8) Domed Button Socket Screws

ONLY
FL 14474
FL 14477
FL 14535
FL 14536

1b WALL MOUNT

WIRING

2000

685 CRS.

45

110 x2 135 110 x2

2 x suitable fixings - 2 x passende Befestigungen - 2 x fixations appropriées

The foundation details are for guidance only - local conditions and regulations should be taken into consideration

2 PREPARATION

- Excavate a hole to the minimum dimensions specified for the column type (see Ground Factor Table for planting depth 'A' and minimum diameter 'B').
- Place a 75mm thick paving slab or a layer of concrete at the bottom of the excavation to maintain planting depth.
- Seal/protect the cable entry aperture of the column to prevent entry of concrete or backfill into the column body.
PLEASE NOTE: Both the subterranean cable protection sleeve (situated in the cable entry aperture) and the heavy duty-plastic base protector (situated at the base of the column) are integral parts of the lighting column. They should be installed with the column.

A

B

Paving Slab

3 CONCRETE

- Lower column into the excavation so that it stands on the concrete slab. **(DO NOT USE CHAINS)**
PLEASE ENSURE: Root protection should remain approx. 200-250mm above ground level. Door aperture to be located opposite side to oncoming traffic when possible.
- Fill excavation around the column with suitable, well compacted concrete to just below the cable entry aperture or up to the minimum dimension 'C' (see Ground Factor Table).
PLEASE ENSURE: That full access to the cable entry is retained.
- Check column is straight then allow concrete to set.

Door Aperture

Aluminium Column

Ground

Root Protection (approx. 200-250mm)

C

Paving Slab

Concrete

GROUND FACTOR

Column Type	A	B			C	D
	Planting Depth	Min. Diameter of hole			Min. Depth of concrete	Depth of Backfill
		GOOD ⁽⁶³⁰⁾	AVERAGE ⁽³⁹⁰⁾	POOR ⁽²³⁰⁾		
4M Single	0.80M	0.135M	0.185M	0.313M	0.30M	0.45M
6M Single	1.00M	0.145M	0.171M	0.290M	0.30M	0.65M
6M Twin 180°	0.80M	0.251M	0.405M	0.686M	0.50M	0.25M
6M Twin 90°	0.80M	0.247M	0.399M	0.677M	0.70M	0.05M

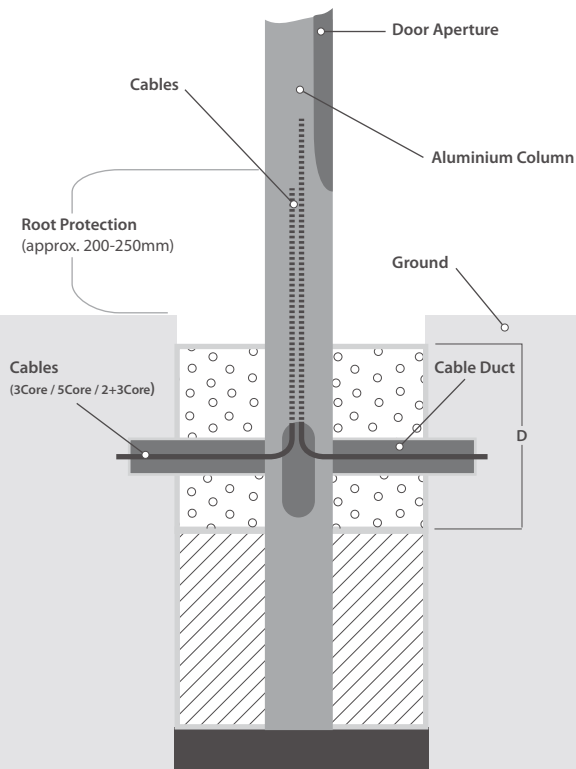
PLEASE NOTE : These foundation details are for guidance only and local conditions should be taken into consideration.

SOIL TYPES

Soil Type (kn/msq)	Density	Moisture	Description
GOOD 630			Compact well graded sand and gravel, hard clay, well graded fine sand and coarse sand, decomposed granite rock and soil. Good material should be well drained and in locations where water will not stand.
AVERAGE 390			Compact fine sand, medium clay, compact well drained Sandy loam, loose coarse sand and gravel. Average soils should drain sufficiently well that water does not stand on surface.
POOR 230			Soft clay, clay loam, poorly compacted sand, clays containing a large amount of silt and vegetable matter, and made up ground. Poor soils will normally be wet and have poor drainage.

4 BACKFILL

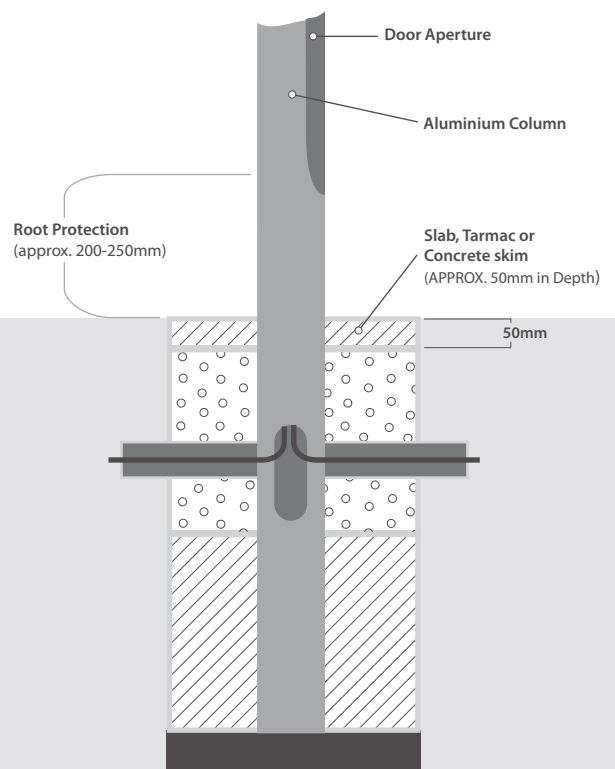
- Place a duct of suitable size to match the cable aperture in the excavation.
PLEASE ENSURE : That the duct used can withstand the backfilling and compacting process.
- Fit electrical cables to comply with national standards and tidy within the column. (3 Core cable for standard/photocell, 5 Core for Smart External).
- Fill the remaining section of the excavation with backfill. Fill with layers of 150mm and then compact; continue until the depth of backfill is as stated in the Ground Factor Table for backfill depth 'D'.



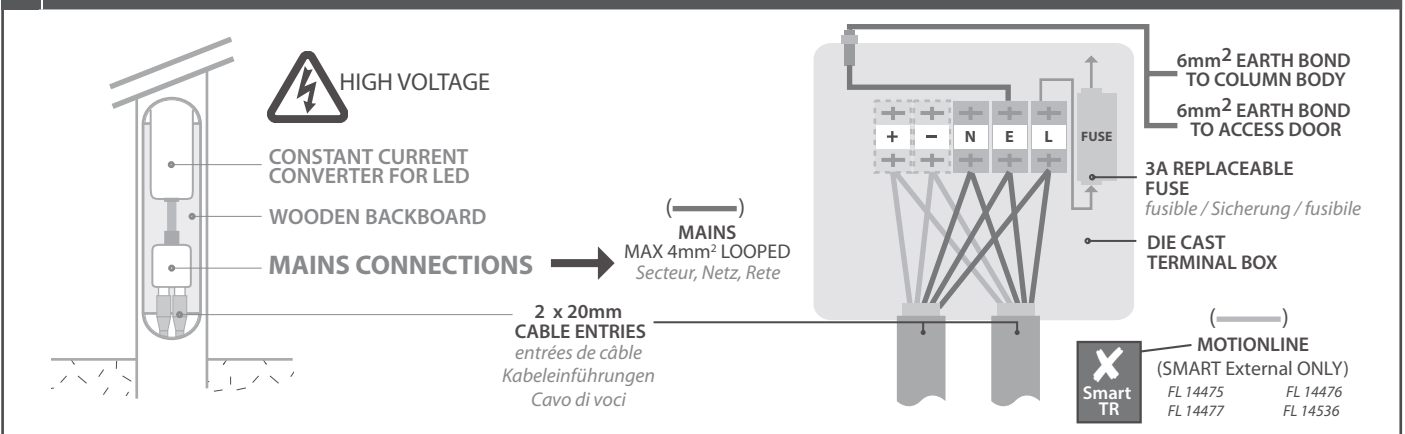
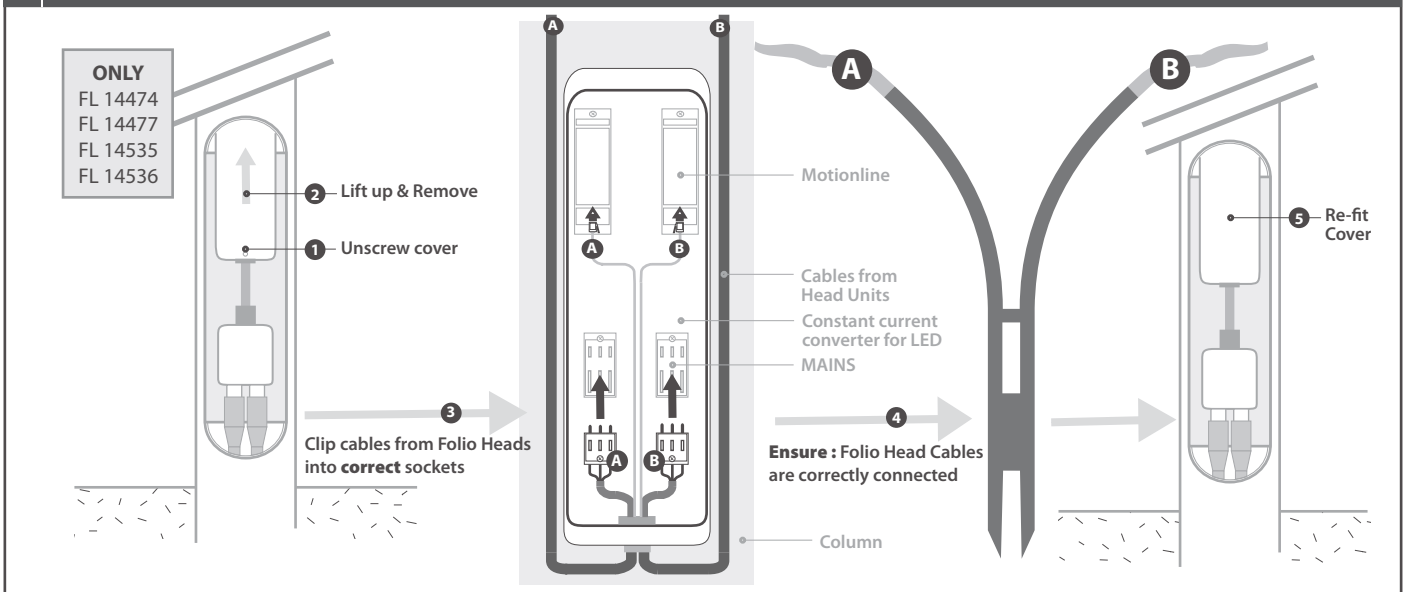
Paving Slab
 Concrete
 Backfill

5 RESTORATION

- Fill remaining shallow dip around column with suitable concrete or tarmac to complete the installation.
- Carefully check the root protection for any signs of damage that may have happened during installation.
PLEASE NOTE : The column is constructed from 6000 series aluminum which will oxidize within a few weeks of installation depending on weather conditions).
- Connect mains to luminaire through door aperture (see next page).



Paving Slab
 Concrete
 Backfill



For more information on the installation of columns, please refer to the following standards:

- Electricity at Work Regulations 1989
- BS7671:2008 Requirements for Electrical Installations
- ILE Code of Practice for Electrical Safety in Highway Electrical Operations
- ILE/HSE Safety during the installation and removal of Lighting Columns and Similar Street Furniture
- IEE Guidance note3 Inspection & Testing
- ENA G39/1 Code of Practice
- New Roads and Street Works Act 1991

Smart Hardwired	21LFT 25375 21LFT 25430
Smart TR	21LFT 30571

Operation and Maintenance

The Folio uses plastic components in its construction and when installed in environments containing chemicals, degradation may occur. Please contact our Technical Department for advice.

Modifications

Thorlux products should not be modified. Any modification may render the product unsafe and will invalidate any Safety/Approval marks.

Thorlux will not accept any responsibility for any modified products or for any damage caused as a result of their modification.

Fonctionnement et Maintenance

Des composants en plastique ont été intégrés dans la construction du Folio, et une certaine détérioration peut survenir lorsqu'il est installé dans des environnements contenant des produits chimiques. Veuillez contacter notre Département Technique pour obtenir de plus amples informations.

Modifications

Les produits Thorlux ne doivent pas être modifiés. Toute modification peut compromettre la sécurité du produit et annuler les marques de sécurité / homologation. Thorlux refusera toute responsabilité pour des produits modifiés ou pour tout dommage entraîné par une modification.

Betrieb und Wartung

Folio-Produkte enthalten Kunststoffteile: bei einer Installation in Umgebungen, die Chemikalien enthalten, ist ein Qualitätsverlust nicht auszuschließen. Unsere Technische Abteilung berät Sie gerne.

Änderungen

Thorlux-Produkte sollten nicht geändert werden. Jegliche Änderungen können die Produktsicherheit beeinträchtigen und machen Sicherheits-/Genehmigungskennzeichnungen ungültig. Thorlux übernimmt keine Verantwortung für modifizierte Produkte bzw. für Schäden, die durch Produktänderungen verursacht werden.

Funzionamento e manutenzione

Il Folio è stato costruito con componenti di plastica e, se installato in ambienti che contengono sostanze chimiche, si può notare un degradamento. Per ulteriori consigli si prega di contattare il nostro reparto tecnico.

Modifiche

I prodotti Thorlux non devono essere modificati, dato che qualsiasi modifica potrebbe rendere il prodotto insicuro e invalidare ogni segno di sicurezza/approvazione. Thorlux non accetta nessuna responsabilità per prodotti modificati per danni causati quale risultato delle modifiche apportate agli stessi.

Important-Safety

Before carrying out any servicing on this luminaire, ensure that the mains supply is fully isolated.

Disconnect luminaire before insulation testing of the installation.

Important-Sécurité

Avant d'effectuer des réparations sur ce luminaire, vérifiez que l'alimentation secteur est coupée.

Débranchez le luminaire avant d'effectuer un essai d'isolement de l'installation.

Wichtiger Sicherheitshinweis

Stellen Sie vor Durchführen von Wartungsarbeiten an diesem Beleuchtungskörper sicher, dass die Netzstromversorgung vollständig isoliert ist.

Trennen Sie den Beleuchtungskörper von der Stromversorgung, bevor Sie die Isolierung der Anlage testen.

Importante - Sicurezza

Prima di eseguire la manutenzione, assicuri che la rete elettrica sia completamente isolata.

Scollegare il prodotto prima di eseguire il test d'isolamento dell'installazione.

NOTICE TO CONTRACTOR - PLEASE PASS THIS LEAFLET TO THE END-USER



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