Appendix A – Pricing Schedule - Core Basket

Instructions to Tenderers – Completion of Pricing Schedule

1. Tenderers shall complete all unprotected cells (highlighted yellow) provided for Tenderer input. All other cells within the Pricing Schedule are protected and shall not be altered. Tenderers shall not attempt to remove, bypass or modify the worksheet protection, formulas, descriptions, specifications, units, estimated quantities or structure of the Pricing Schedule. Any unauthorised alteration may result in the Tender being deemed non-compliant in accordance with the RFT.
2. Quantities stated are estimated evaluation quantities based on historical usage and/or anticipated requirements and are provided solely for tender evaluation purposes. They do not constitute a commitment or guarantee by Dublin City Council ("DCC") to purchase any minimum or maximum quantity or to incur any particular level of expenditure.
3. Tendered unit prices shall apply irrespective of whether the actual quantity ordered by DCC is greater or less than the estimated quantity stated in the Pricing Schedule. Tendered unit prices shall be entered in Euro (€), exclusive of VAT, and to a maximum of two decimal places. No surcharge or alternative unit price shall apply solely because the quantity ordered differs from the estimated quantity.
4. Tendered unit prices must be genuine, commercially sustainable and reasonably representative of the prices at which the Tenderer is prepared to supply the relevant Goods under the Framework. Tenderers shall not manipulate individual unit prices having regard to the evaluation quantities or otherwise submit artificially high or low prices for individual items for the purpose of influencing the tender evaluation. The successful Framework Member will be held to the tendered unit prices in accordance with the Framework pricing and price-review provisions.
5. All prices shall be quoted in Euro (€) and exclusive of VAT. Tendered prices shall include all costs associated with the supply of the Goods in accordance with the Framework Agreement, including delivery, packaging, handling, administration, contract management, reporting, meetings, overheads, profit and all other ancillary costs. No additional charges, including delivery, fuel, small-order, administration, packaging or similar surcharges, shall apply unless expressly permitted under the Framework Agreement.
6. Tenderers shall confirm Y (Yes) or N (No) for each item as to whether the Goods they propose to supply meet all requirements of the DCC Specification and Relevant Standards stated in the Pricing Schedule.
A "Y" (Yes) response constitutes the Tenderer's declaration that the Goods supplied under the Framework for that item will comply with the stated Specification and Relevant Standards. DCC reserves the right to verify compliance during tender evaluation and throughout the Framework term.
Where a Tenderer selects "N" (No), the item shall be treated as an item for which the Tenderer has not confirmed compliance with the stated Specification and Relevant Standards.
7. Product requirements shall be interpreted in accordance with the wording of the individual item specification. Where no manufacturer, brand or model is specified, the Tenderer may supply any product that fully meets the stated specification and Relevant Standards. Where a manufacturer, brand or model is referenced "or equivalent", an equivalent product may be supplied provided that it fully meets the stated specification and Relevant Standards and, where stated, is compatible and interoperable with DCC's existing installations or equipment. Where the specification expressly requires a particular manufacturer, brand or model for compatibility, interoperability or standardisation purposes, that specific requirement shall apply.
8. Tenderers are required to provide a valid Tendered Unit Price for each item contained within the Pricing Schedule. Tendered Unit Prices must be greater than zero. A blank entry, €0.00, "N/A", "No Bid" or any other entry which does not constitute a valid unit price shall be treated as an unpriced item for evaluation purposes.
9. A Tender containing an aggregate of no more than five (5) unpriced items and/or items for which the Tenderer has selected "N" (No) in response to the compliance declaration may remain eligible for evaluation. For evaluation purposes, DCC may apply the highest valid unit price submitted by another Tenderer for a corresponding item for which a "Y" (Yes) compliance declaration and valid unit price have been submitted.
10. Any substituted price applied under Point 9 shall be used solely for tender evaluation purposes and shall not constitute a contractual price. Where the Tenderer is subsequently appointed to the Framework, any item for which a substituted evaluation price was applied shall not form part of that Framework Member's priced Basket. Where DCC subsequently requires such an item, it shall be dealt with in accordance with the Non-Basket Goods provisions of the Framework Agreement.
11. A Tender containing an aggregate of six (6) or more unpriced items and/or items for which the Tenderer has selected "N" (No) in response to the compliance declaration shall be deemed an Invalid Tender and shall not proceed to further evaluation.
12. DCC may require additional electrical goods falling within the scope of the Framework which are not individually identified or validly priced in the Pricing Schedule. For such Non-Basket Goods, the Framework Member may be requested to provide a quotation.
Prices quoted for Non-Basket Goods shall be fair, competitive and reasonably representative of prevailing market prices at the time of quotation. DCC reserves the right to independently benchmark any quoted price against published prices, alternative suppliers, previous purchase prices or other available market information. DCC shall not be obliged to purchase a Non-Basket Good from the Framework Member where the proposed price is not considered to represent value for money.
13. This Pricing Schedule shall be read in conjunction with the RFT, Tender Response Document and Framework Agreement. Submission of the completed Pricing Schedule confirms that the Tenderer has taken account of all applicable requirements of the tender documents in preparing its prices and responses.

S.No.	Cable Type	Category	Sub Cat 1 (or No. of Cores)	Sub Cat 2 (or CSA / Size (mm^2)	Item	Specification	Relevant Standard	Complies with DCC Specification & Standards (Y/N)	Estimated Annual Usage	Unit of Measure	Tendered Unit Price (€ Euro)	Total Price (€ Euro)	Evaluation Aid Indicative Review Status
1	Cable Panel Wiring	Panel Wiring	1	10	H07Z-K LSOH Panel Flex – Various Colours 1 x 10mm^2	Cable type: Single-core flexible LSOH panel wiring cable, designation H07Z-K Conductor: Class 5 flexible stranded plain annealed or electrolytic copper conductor Insulation: Halogen-free cross-linked compound with low emission of smoke and corrosive gases Core colour: **Brown, black, grey, blue or green/yellow**, Rated voltage: 450/750 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s Operating temperature: In accordance with the manufacturer's published data Maximum conductor resistance at 20°C: In accordance with I.S. EN IEC 60228 for Class 5 copper conductors of the scheduled size	I.S. EN 50525-3-41 I.S. EN IEC 60228, Class 5		500	Metre		€ -	No Response
2	Cable Panel Wiring	Panel Wiring	1	16	H07Z-K LSOH Panel Flex – Various Colours 1 x 16mm2	Cable type: Single-core flexible LSOH panel wiring cable, designation H07Z-K Conductor: Class 5 flexible stranded plain annealed or electrolytic copper conductor Insulation: Halogen-free cross-linked compound with low emission of smoke and corrosive gases Core colour: **Brown, black, grey, blue or green/yellow**, Rated voltage: 450/750 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s Operating temperature: In accordance with the manufacturer's published data Maximum conductor resistance at 20°C: In accordance with I.S. EN IEC 60228 for Class 5 copper conductors of the scheduled size	I.S. EN 50525-3-41 I.S. EN IEC 60228, Class 5		500	Metre		€ -	No Response
3	Cable Single-Core	Single-core PVC/LSF	1	6	6491B LSOH Single-Core Cable – Various Colours 1 x 6mm2 (Commonly known as Single PVC)	Core colour: **brown, black, grey, blue and green/yellow** Conductor: Class 2 stranded plain annealed copper conductor Insulation: Low-smoke zero-halogen cross-linked compound Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5 seconds Rated voltage: 450/750 V Maximum conductor resistance at 20°C: 12.1 Ω/km Minimum bending radius: In accordance with the manufacturer's instructions, not exceeding 3 × overall cable diameter	I.S. EN 50525-3-41 I.S. EN 60228, Class 2 I.S. EN 50363-5, type EI5		700	Metre		€ -	No Response
4	Cable Single-Core	Single-core PVC/LSF LSF	1	10	6491B LSOH Single-Core Cable – Various Colours 1 x 10mm2 (Commonly known as Single PVC)	Core colour: **brown, black, grey, blue and green/yellow** Conductor: Class 2 stranded plain annealed copper conductor Insulation: Low-smoke zero-halogen cross-linked compound Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5 seconds Rated voltage: 450/750 V Maximum conductor resistance at 20°C: 12.1 Ω/km Minimum bending radius: In accordance with the manufacturer's instructions, not exceeding 3 × overall cable diameter	I.S. EN 50525-3-41 I.S. EN 60228, Class 2 I.S. EN 50363-5, type EI5		2500	Metre		€ -	No Response
5	Cable Single-Core	Single-core PVC/LSF LSF	1	16	6491B LSOH Single-Core Cable – Various Colours 1 x 16mm2 (Commonly known as Single PVC)	Core colour: **brown, black, grey, blue and green/yellow** Conductor: Class 2 stranded plain annealed copper conductor Insulation: Low-smoke zero-halogen cross-linked compound Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5 seconds Rated voltage: 450/750 V Maximum conductor resistance at 20°C: 12.1 Ω/km Minimum bending radius: In accordance with the manufacturer's instructions, not exceeding 3 × overall cable diameter	I.S. EN 50525-3-41 I.S. EN 60228, Class 2 I.S. EN 50363-5, type EI5		100	Metre		€ -	No Response
6	Cable Single-Core	Single-core PVC/LSF LSF	1	25	6491B LSOH Single-Core Cable 1 x 25mm2 (Commonly known as Single PVC)	Core colour: **green/yellow** Conductor: Class 2 stranded plain annealed copper conductor Insulation: Low-smoke zero-halogen cross-linked compound Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5 seconds Rated voltage: 450/750 V Maximum conductor resistance at 20°C: 12.1 Ω/km Minimum bending radius: In accordance with the manufacturer's instructions, not exceeding 3 × overall cable diameter	I.S. EN 50525-3-41 I.S. EN 60228, Class 2 I.S. EN 50363-5, type EI5		100	Metre		€ -	No Response

7	Cable Single-Core	Single-core PVC/LSF LSF	1	6	Double-Insulated XLPE/LSOH Single-Core Cable – Various Colours 1 x 6mm2 (Commonly known as PVC/PVC Cable)	Core colour: **brown and blue** Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Outer sheath: Low-smoke zero-halogen thermoplastic compound Rated voltage: 450/750 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5 seconds Maximum conductor resistance at 20°C: 12.1 Ω/km Minimum bending radius: In accordance with the manufacturer's published installation instructions	IS 201-4:2013		500	Metre		€ -	**No Response**
8	Cable Twin & Earth	Twin & Earth LSF	3	6	Twin & Earth Flat Cable LSF 3 x 6mm2	Cable construction: Flat, two-core cable with full-size insulated circuit protective conductor Conductor: Plain annealed copper, Class 2 stranded, Core identification: **Brown, blue and green/yellow** Insulation: Low-smoke zero-halogen thermosetting or cross-linked compound Outer sheath: Low-smoke zero-halogen thermoplastic compound Sheath colour: White Rated voltage: 300/500 V Maximum continuous conductor temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s Minimum bending radius: In accordance with the manufacturer's published installation instructions CPR classification: Minimum Dca-s2,d2,a2	I.S. 201-4:2013, including applicable amendments and corrigenda EN 60228 EN 60332-1-2 EN 60754-1 EN 60754-2 EN 61034-2		1100	Metre		€ -	**No Response**
9	Cable Twin & Earth	Twin & Earth LSF	3	10	Twin & Earth Flat Cable LSF 3 x 10mm2	Cable construction: Flat, two-core cable with full-size insulated circuit protective conductor Conductor: Plain annealed copper, Class 2 stranded, Core identification: **Brown, blue and green/yellow** Insulation: Low-smoke zero-halogen thermosetting or cross-linked compound Outer sheath: Low-smoke zero-halogen thermoplastic compound Sheath colour: White Rated voltage: 300/500 V Maximum continuous conductor temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s Minimum bending radius: In accordance with the manufacturer's published installation instructions CPR classification: Minimum Dca-s2,d2,a2	I.S. 201-4:2013, including applicable amendments and corrigenda EN 60228 EN 60332-1-2 EN 60754-1 EN 60754-2 EN 61034-2		1200	Metre		€ -	**No Response**
10	Cable Twin & Earth	Twin & Earth LSF	3	16	Twin & Earth Flat Cable LSF 3 x 16mm2	Cable construction: Flat, two-core cable with full-size insulated circuit protective conductor Conductor: Plain annealed copper, Class 2 stranded, Core identification: **Brown, blue and green/yellow** Insulation: Low-smoke zero-halogen thermosetting or cross-linked compound Outer sheath: Low-smoke zero-halogen thermoplastic compound Sheath colour: White Rated voltage: 300/500 V Maximum continuous conductor temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s Minimum bending radius: In accordance with the manufacturer's published installation instructions CPR classification: Minimum Dca-s2,d2,a2	I.S. 201-4:2013, including applicable amendments and corrigenda EN 60228 EN 60332-1-2 EN 60754-1 EN 60754-2 EN 61034-2		200	Metre		€ -	**No Response**
11	Cable NYMJ		3	6	NHXMH-J LSOH Fixed Wiring Cable 3 x 6mm2 (Newer version of NYM-J)	Conductor: Class 1 solid plain annealed copper Insulation: Cross-linked halogen-free polymer Filler/Bedding: Halogen-free thermoplastic compound Outer sheath: Low-smoke zero-halogen flame-retardant compound Core identification: Brown, Blue and Green/Yellow Sheath colour: Grey Voltage rating: 300/500 V Maximum operating temperature: 70°C Maximum short-circuit temperature: 250°C Fixed installation temperature range: −20°C to +70°C Minimum bend Radius Fixed: 4 x overall diameter	Generally to DIN VDE 0250-214 I.S. EN 60228 I.S. EN 60332-1-2 I.S. EN 60332-3-24 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		100	Metre		€ -	**No Response**
12	Cable NYMJ	LSF	3	10	NHXMH-J LSOH Fixed Wiring Cable 3 x 10mm2 (Newer version of NYM-J)	Conductor: Class 1 solid plain annealed copper Insulation: Cross-linked halogen-free polymer Filler/Bedding: Halogen-free thermoplastic compound Outer sheath: Low-smoke zero-halogen flame-retardant compound Core identification: Brown, Blue and Green/Yellow Sheath colour: Grey Voltage rating: 300/500 V Maximum operating temperature: 70°C Maximum short-circuit temperature: 250°C Fixed installation temperature range: −20°C to +70°C Minimum bend Radius Fixed: 4 x overall diameter	Generally to DIN VDE 0250-214 I.S. EN 60228 I.S. EN 60332-1-2 I.S. EN 60332-3-24 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		100	Metre		€ -	**No Response**
13	Cable NYMJ		5	10	NHXMH-J LSOH Fixed Wiring Cable 5 x 10mm2 (Newer version of NYM-J)	Conductor: Class 1 solid plain annealed copper Insulation: Cross-linked halogen-free polymer Filler/Bedding: Halogen-free thermoplastic compound Outer sheath: Low-smoke zero-halogen flame-retardant compound Core identification: Brown, Black, Grey, Blue and Green/Yellow Sheath colour: Grey Voltage rating: 300/500 V Maximum operating temperature: 70°C Maximum short-circuit temperature: 250°C Fixed installation temperature range: −20°C to +70°C Minimum bend Radius Fixed: 4 x overall diameter	Generally to DIN VDE 0250-214 I.S. EN 60228 I.S. EN 60332-1-2 I.S. EN 60332-3-24 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		100	Metre		€ -	**No Response**
14	Cable Steel Wire Armoured	SWA LSF	3	6	XLPE/LSOH SWA Cable, 600/1000 V 3 x 6mm2	Cable construction: Multicore, thermosetting-insulated, low-smoke zero-halogen steel-wire-armoured power cable Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Core identification: **Brown, Blue and Green/Yellow** Bedding: Low-smoke zero-halogen compound Armour: Single layer of galvanised steel wires Outer sheath: Low-smoke zero-halogen, flame-retardant thermoplastic compound Sheath colour: Black Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s	BS 6724:2016 or equivalent I.S. EN/EN standard I.S. EN IEC 60228, Class 2 I.S. EN 60332-1-2 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		2900	Metre		€ -	**No Response**

15	Cable Steel Wire Armoured	SWA LSF	3	10	XLPE/LSOH SWA Cable, 600/1000 V 3 x 10mm2	Cable construction: Multicore, thermosetting-insulated, low-smoke zero-halogen steel-wire-armoured power cable Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Core identification: **Brown, Blue and Green/Yellow** Bedding: Low-smoke zero-halogen compound Armour: Single layer of galvanised steel wires Outer sheath: Low-smoke zero-halogen, flame-retardant thermoplastic compound Sheath colour: Black Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s	BS 6724:2016 or equivalent I.S. EN/EN standard I.S. EN IEC 60228, Class 2 I.S. EN 60332-1-2 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		300	Metre		€ -	**No Response**
16	Cable Steel Wire Armoured	SWA LSF	3	16	XLPE/LSOH SWA Cable, 600/1000 V 3 x 16mm2	Cable construction: Multicore, thermosetting-insulated, low-smoke zero-halogen steel-wire-armoured power cable Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Core identification: **Brown, Blue and Green/Yellow** Bedding: Low-smoke zero-halogen compound Armour: Single layer of galvanised steel wires Outer sheath: Low-smoke zero-halogen, flame-retardant thermoplastic compound Sheath colour: Black Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s	BS 6724:2016 or equivalent I.S. EN/EN standard I.S. EN IEC 60228, Class 2 I.S. EN 60332-1-2 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		100	Metre		€ -	**No Response**
17	Cable Steel Wire Armoured	SWA LSF	5	6	XLPE/LSOH SWA Cable, 600/1000 V 5 x 6mm2	Cable construction: Multicore, thermosetting-insulated, low-smoke zero-halogen steel-wire-armoured power cable Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Core identification: **Brown, Blue and Green/Yellow** Bedding: Low-smoke zero-halogen compound Armour: Single layer of galvanised steel wires Outer sheath: Low-smoke zero-halogen, flame-retardant thermoplastic compound Sheath colour: Black Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s	BS 6724:2016 or equivalent I.S. EN/EN standard I.S. EN IEC 60228, Class 2 I.S. EN 60332-1-2 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		100	Metre		€ -	**No Response**
18	Cable Steel Wire Armoured	SWA LSF	5	10	XLPE/LSOH SWA Cable, 600/1000 V 5 x 10mm2	Cable construction: Multicore, thermosetting-insulated, low-smoke zero-halogen steel-wire-armoured power cable Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Core identification: **Brown, Blue and Green/Yellow** Bedding: Low-smoke zero-halogen compound Armour: Single layer of galvanised steel wires Outer sheath: Low-smoke zero-halogen, flame-retardant thermoplastic compound Sheath colour: Black Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s	BS 6724:2016 or equivalent I.S. EN/EN standard I.S. EN IEC 60228, Class 2 I.S. EN 60332-1-2 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		200	Metre		€ -	**No Response**
19	Cable Steel Wire Armoured	SWA LSF	5	16	XLPE/LSOH SWA Cable, 600/1000 V 5 x 16mm2	Cable construction: Multicore, thermosetting-insulated, low-smoke zero-halogen steel-wire-armoured power cable Conductor: Class 2 stranded plain annealed copper conductor Insulation: Cross-linked polyethylene, XLPE Core identification: **Brown, Blue and Green/Yellow** Bedding: Low-smoke zero-halogen compound Armour: Single layer of galvanised steel wires Outer sheath: Low-smoke zero-halogen, flame-retardant thermoplastic compound Sheath colour: Black Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 90°C Maximum short-circuit conductor temperature: 250°C for a maximum of 5s	BS 6724:2016 or equivalent I.S. EN/EN standard I.S. EN IEC 60228, Class 2 I.S. EN 60332-1-2 I.S. EN 60754-1 I.S. EN 60754-2 I.S. EN 61034-2		100	Metre		€ -	**No Response**
20	Cable Public Lighting	SAMI	3	2.5	3 x 2.5 mm^2, Self-Supporting Aerial Power Cable, Type (N)Y(Zg)2Y or YTBKW-J Commonly known as SAMI Cable	Cable construction: Self-supporting aerial cable suitable for installation between poles without separate messenger wire. Insulation: PVC or equivalent synthetic insulation suitable for aerial installation Core identification: **Green/yellow, blue and brown** Outer sheath: Black UV-resistant polyethylene outer sheath suitable for outdoor exposure Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 70°C Maximum short-circuit conductor temperature: 160°C Operating temperature range: Fixed installation: −40°C to +70°C Minimum bending radius: 10 × overall cable diameter Nominal maximum span: 50 m Outer diameter: Approximately 12.0 mm to 13.3 mm. Nominal weight: Approximately 180 kg/km.	DIN VDE 0271 DIN VDE 0815 DIN VDE 0293-308 DIN EN 60228 / IEC 60228 DIN VDE 0819-104 Applicable parts of DIN VDE 0276, DIN VDE 0472, DIN VDE 0473 and DIN VDE 048		1000	Metre		€ -	**No Response**
21	Cable Public Lighting	SAMI	3	6	3 x 6 mm^2, Self-Supporting Aerial Power Cable, Type (N)Y(Zg)2Y or YTBKW-J Commonly known as SAMI Cable	Cable construction: Self-supporting aerial cable suitable for installation between poles without separate messenger wire. Insulation: PVC or equivalent synthetic insulation suitable for aerial installation Core identification: **Green/yellow, blue and brown** Outer sheath: Black UV-resistant polyethylene outer sheath suitable for outdoor exposure Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 70°C Maximum short-circuit conductor temperature: 160°C Operating temperature range: Fixed installation: −40°C to +70°C Minimum bending radius: 10 × overall cable diameter Nominal maximum span: 50 m Outer diameter: Approximately 15.2 mm. Nominal weight: Approximately 300 kg/km.	DIN EN 60228 DIN VDE 0293-308 HD308 S		1000	Metre		€ -	**No Response**

22	Cable Public Lighting	SAMI	3	10	3 x 10 mm^2, Self-Supporting Aerial Power Cable, Type (N)Y(Zg)2Y or YTBKW-J Commonly known as SAMI Cable	Cable construction: Self-supporting aerial cable suitable for installation between poles without separate messenger wire. Insulation: PVC or equivalent synthetic insulation suitable for aerial installation Core identification: **Green/yellow, blue and brown** Outer sheath: Black UV-resistant polyethylene outer sheath suitable for outdoor exposure Rated voltage: 600/1000 V Maximum continuous conductor operating temperature: 70°C Maximum short-circuit conductor temperature: 160°C Operating temperature range: Fixed installation: −40°C to +70°C Minimum bending radius: 10 × overall cable diameter Nominal maximum span: 50 m Outer diameter: Approximately 18.6 mm Nominal weight: Approximately 580 kg/km.	DIN EN 60228 DIN VDE 0293-308 HD308 S		1000	Metre		€ -	**No Response**
23	Installations Housing	Cable Management & Accessories	Cable Accessories	Consumable	15 A Strip Connector Block	Type: Insulated multi-way screw-terminal connector strip Rated current: 15 A Connection: Screw-terminal connection for joining copper conductors Configuration: Multi-way strip capable of being divided into individual connector sections Construction: Durable insulated body with secure and reliable terminal connections Application: General electrical wiring, jointing and termination within suitable enclosures or equipment	I.S. EN 60998-1 I.S. EN 60998-2-1		840	Each		€ -	**No Response**
24	Installations Electrical	Cable Management & Accessories	Cable Accessories	Junction Box	IP65 Junction Box 90 × 90 × 46 mm – Grey	Type: Weatherproof electrical junction box Dimensions: Approximately 90 mm × 90 mm × 46 mm Ingress protection: Minimum IP65 Construction: Robust moulded thermoplastic enclosure Colour: Grey Cover: Secure removable screwed lid Cable entry: Suitable for drilled or gland entries as required Mounting: Suitable for surface mounting Environmental suitability: Dust-tight and protected against water jets when correctly installed Application: Suitable for indoor and outdoor electrical jointing, termination and connection applications	I.S. EN 60670-1 I.S. EN 60670-22, where applicable I.S. EN 60529		450	Each		€ -	**No Response**
25	Installations Housing	Cable Management & Accessories	Cable Accessories	Junction Box	Weatherproof Coffin Junction Box with 16 A Porcelain Connector	Type: Compact weatherproof electrical junction box complete with internal porcelain strip connector Connector rating: Minimum 16 A Connector type: Porcelain terminal strip with screw connections Enclosure rating: Minimum IP54 Colour: Grey Dimensions: Approximately 90 × 44 × 45 mm	I.S. EN 60670-1 I.S. EN 60670-22, where applicable I.S. EN 60529		410	Each		€ -	**No Response**
26	Public Lighting	Cable Management & Accessories	Cable Accessories	Cable Joint Kit	Resin Joint Kit suitable for 4 × 16 mm² SWA Cable c/w Earth Continuity Kit & Connectors	Kit type: Complete earth continuity and conductor connector kit for use with a 4-core 16 mm² resin joint system Cable size: 4 × 16 mm² SWA Voltage rating: Suitable for 0.6/1 kV cable systems Connectors: Complete set of suitably rated compression or mechanical conductor connectors for 16 mm² conductors Earth continuity: Complete earth braid, constant-force springs or equivalent components suitable for maintaining continuity of the steel-wire armour through the completed joint Cable compatibility: Suitable for copper conductors and SWA cable construction within the manufacturer's stated range Compatibility: Fully compatible with the associated 4 × 16 mm² resin joint kit Operating temperature: Suitable for cables with a maximum continuous conductor temperature of up to 90°C Supply: Complete with all connectors, earth bonding components and associated fixings required to complete one SWA joint	I.S. EN 50393 I.S. EN IEC 61238-1-1		155	Each		€ -	**No Response**
27	Public Lighting	Cable Management & Accessories	Cable Accessories	Cable Joint Kit	Resin Joint Kit suitable for 4 × 16 mm² Cable c/w Connectors	Kit type: Complete resin-filled straight-through low-voltage cable joint kit suitable for 4-core 16 mm² cable Cable size: 4 × 16 mm² non armoured cable Voltage rating: 0.6/1 kV Resin: Hydrolysis-resistant two-part polyurethane resin supplied in a transparent sealed mixing bag Joint shell: Strong transparent moulded shell suitable for the specified cable size and connector arrangement Sealing: Fully waterproof when correctly installed, with no resin leakage Cable compatibility: Suitable for XLPE or PVC insulated low-voltage power cable within the manufacturer's stated range Cable spacers: Included Operating temperature: Suitable for cables with a maximum continuous conductor temperature of up to 90°C Accessories: Complete with sealing tape, abrasive/sandpaper, protective gloves and all consumables required to complete one joint Compatibility: Suitable for use with the separately scheduled SWA earth continuity kit and connectors Supply: Joint shell, resin and installation accessories only; earth continuity kit and conductor connectors supplied under the separate scheduled item	I.S. EN 50393		115	Each		€ -	**No Response**
28	Public Lighting	Cable Management & Accessories	Earthing		16 mm Earth Rod Complete with Clamp	Type: Copper-bonded or solid copper earth electrode rod complete with suitable earth conductor clamp Rod diameter: 16 mm nominal Rod length: Minimum 1.2 m unless otherwise specified Material: High-conductivity copper-bonded steel or solid copper suitable for permanent ground installation Copper coating: Minimum manufacturer-declared coating thickness suitable for long-term corrosion resistance, where copper-bonded type is offered Clamp: Heavy-duty earth rod clamp suitable for secure connection of copper earthing conductor to 16 mm rod Clamp material: Brass, gunmetal or equivalent corrosion-resistant material Connection: Suitable for copper earthing conductors within the manufacturer's declared range Mechanical strength: Suitable for driving into normal ground conditions without damage or separation of coating Corrosion resistance: Suitable for permanent direct burial Application: Earthing of electrical installations, public lighting columns, feeder pillars and similar equipment	I.S. EN 62561-2 I.S. EN 62561-1, where applicable to the clamp/connection component		90	Each		€ -	**No Response**

29	Public Lighting	Cable Management & Accessories	Earthing		600 × 600 × 3 mm Solid Copper Lattice Earth Mat	Type: Solid copper lattice earth mat for earthing and potential grading applications Material: High-conductivity copper to BS EN 13601 Dimensions: 600 mm × 600 mm nominal Thickness: 3 mm Grid arrangement: 5-bar lattice construction Surface area: Approximately 0.31 m² Weight: Approximately 4 kg Application: Suitable for buried earthing, potential grading and reduction of touch and step voltages Construction: Robust welded/formed lattice construction suitable for permanent below-ground installation Connection: Suitable for connection to the earthing conductor using approved copper earthing clamps, brazing or exothermic welding as appropriate Corrosion resistance: Suitable for direct burial in normal soil conditions	EN 13601 EN 62561-2		25	Each		€ -	**No Response**
30	Housing	Building Services	Actuator		2-Port Motorised Valve Actuator – 230 V	Component type: Replacement electro-mechanical actuator head for 2-port motorised heating valve Operating voltage: 220–240 V AC, 50 Hz Switching: Integral auxiliary/end switch suitable for boiler and pump interlock Switch rating: Minimum 3 A resistive / 1 A inductive Operation: Spring-return motorised operation Maximum ambient temperature: Minimum 45°C Enclosure rating: Minimum IP40 Electrical connection: Factory-fitted flexible lead or suitable terminal arrangement Manual operation: Manual lever or equivalent facility for commissioning and system filling	I.S. EN 60730-1 I.S. EN 60730-2-14		25	Each		€ -	**No Response**
31	Installations Electrical	Building Services	Heater Rad	Bathroom	2 kW Bathroom Downflow Heater with Runback Timer	Heater type: Wall-mounted downflow fan heater suitable for bathroom use Rated output: Selectable 1 kW / 2 kW Rated operational voltage: 230/240 V AC Operation: Pull-cord operated Timer: Integral runback timer providing automatic switch-off after approximately 30 minutes Indicator: Integral LED operating indicator Mounting: Wall mounted Construction: Robust thermoplastic enclosure Finish: White Safety protection: Integral over-temperature safety protection	I.S. EN 60335-1 I.S. EN 60335-2-30		55	Each		€ -	**No Response**
32	Installations Electrical	Building Services	Heater Rad	Convector	2 kW Convector Heater with Programmable Timer	Heater type: Freestanding electric convection heater Rated output: 2.0 kW Rated operational voltage: 230 V AC Power source: Mains Indicator: Integral neon power/heating indicator Thermostat: Adjustable thermostat Timer: Integral timer Frost protection: Included Safety protection: Integral over-temperature safety cut-out Construction: Lightweight portable construction suitable for domestic and similar indoor use Cord length: Minimum 1.5 m Mounting: Freestanding, complete with feet/supports Controls: User-accessible heat and thermostat controls	I.S. EN 60335-1 I.S. EN 60335-2-30 I.S. EN 62233		110	Each		€ -	**No Response**
33	Installations Electrical	Building Services	Heater Rad	Digital Panel	1 kW Digital Panel Heater with Programmable Timer	Heater type: Wall-mounted electric panel heater with electronic controls Rated output: 1 kW Rated operational voltage: 230 V AC Frequency: 50 Hz Control: Electronic digital thermostat with adjustable room temperature setting Timer: Integral 7-day programmable timer Display: Digital LCD or LED display Operating modes: Comfort, economy/setback, frost protection and manual override or equivalent Thermostat accuracy: ±0.5°C or better Open-window detection: Included Adaptive start or equivalent energy-saving control: Included where available Over-temperature protection: Integral thermal safety cut-out Mounting: Wall mounted and supplied complete with manufacturer's mounting brackets and fixings	I.S. EN 60335-1 I.S. EN 60335-2-30 I.S. EN 62233		60	Each		€ -	**No Response**
34	Installations Electrical	Building Services	Heater Rad	Digital Panel	1.5 kW Digital Panel Heater with Programmable Timer	Heater type: Wall-mounted electric panel heater with electronic controls Rated output: 1.5 kW Rated operational voltage: 230 V AC Frequency: 50 Hz Control: Electronic digital thermostat with adjustable room temperature setting Timer: Integral 7-day programmable timer Display: Digital LCD or LED display Operating modes: Comfort, economy/setback, frost protection and manual override or equivalent Thermostat accuracy: ±0.5°C or better Open-window detection: Included Adaptive start or equivalent energy-saving control: Included where available Over-temperature protection: Integral thermal safety cut-out Mounting: Wall mounted and supplied complete with manufacturer's mounting brackets and fixings	I.S. EN 60335-1 I.S. EN 60335-2-30 I.S. EN 62233		80	Each		€ -	**No Response**
35	Installations Electrical	Building Services	Heater Rad	Smart	1.5 kW Smart High Heat Retention Storage Heater	Fitting type: Compact circular surface-mounted LED emergency downlight Shape: Circular low-profile downlight style similar in form to Ventilux Radiance or equivalent Mode of operation: Non-maintained Emergency duration: Minimum 3 hours Emergency light output: Minimum 190 lumens for escape-route/open-area application Light distribution: Suitable for escape-route and open-plan use, with interchangeable or equivalent optical arrangement Supply voltage: 230/240 V AC, 50/60 Hz Ingress protection: Minimum IP65 Luminaire class: Class II LED source: Integral high-efficiency LED Battery: Rechargeable battery suitable for minimum 3-hour emergency operation Mounting: Surface ceiling mounting Housing: Robust polycarbonate construction Finish: White Dimensions: Approximately 155–160 mm diameter and approximately 50–60 mm depth Operating environment: Suitable for normal indoor and sheltered/exposed building locations, including areas subject to dust and moisture Application: Emergency lighting in communal areas, stairwells, corridors, escape routes and open-plan areas Warranty: Minimum 3 years	I.S. EN 60335-1 I.S. EN 60335-2-61 I.S. EN 62233		20	Each		€ -	**No Response**

36	Installations Electrical	Building Services	Heater Rad	Smart	2.0 kW Smart Ceramic Electric Radiator	Heater type: Wall-mounted electric radiator incorporating ceramic heat-retention elements Rated output: 2.0 kW Supply voltage: 230 V AC, 50/60 Hz Heating method: Combination of radiant and convection heating Heating core: High heat-retention ceramic elements with embedded electric heating element Control: Electronic digital thermostat Temperature range: Approximately 5°C to 35°C Thermostat accuracy: ±0.5°C or better Programming: 7-day programmable operation with multiple heating periods per day Smart control: Integral Wi-Fi control via compatible smartphone application Display: Digital display showing room temperature, set temperature and operating status Energy monitoring: Integral kWh energy-consumption display or equivalent energy-use indication Open-window detection: Included Operating modes: Manual and programmed operation with frost-protection or equivalent setback mode Controls: Local controls shall remain available without use of smartphone application Safety protection: Integral over-temperature protection Mounting: Wall mounted and supplied complete with manufacturer's brackets and fixings Construction: Robust aluminium/metal radiator body suitable for residential use Application: Suitable for fixed space heating in residential dwellings	I.S. EN 60335-1 I.S. EN 60335-2-30 I.S. EN 62233		25	Each		€ -	**No Response**
37	Housing	Building Services	Immersion Element		11" 3 kW Single Immersion Heater Element with 1 m Flexible Lead	Type: Single immersion heater element suitable for domestic hot water cylinders Element length: 11 inch nominal Rated power: 3.0 kW Supply voltage: 230 V AC, 50 Hz Element configuration: Single heating element Thermostat: Supplied complete with adjustable thermostat and independent over-temperature safety cut-out Flexible lead: Supplied complete with minimum 1 m heat-resistant flexible cable Connection: Suitable for standard immersion heater electrical connection arrangement Mounting: Standard threaded immersion heater boss connection suitable for domestic hot water cylinders Element material: Corrosion-resistant metallic element suitable for potable hot water applications Seal: Supplied complete with suitable sealing washer/gasket	I.S. EN 60335-1 I.S. EN 60335-2-73		110	Each		€ -	**No Response**
38	Housing	Building Services	Immersion Element		24" Dual Immersion Heater Element with 1 m Flexible Lead	Type: Dual immersion heater element suitable for domestic hot water cylinders Element length: 24 inch nominal Heating arrangement: Dual element configuration for sink/bath or boost/off-peak operation Rated power: Typically 3.0 kW boost element with secondary low-rate element, or equivalent dual-output arrangement Supply voltage: 230 V AC, 50 Hz Thermostat: Supplied complete with adjustable thermostat and independent over-temperature safety cut-out Flexible lead: Supplied complete with minimum 1 m heat-resistant flexible cable Connection: Suitable for standard domestic immersion heater wiring arrangements Mounting: Standard threaded immersion heater boss connection suitable for domestic hot water cylinders Element material: Corrosion-resistant metallic element suitable for potable hot water applications Seal: Supplied complete with suitable sealing washer/gasket	I.S. EN 60335-1 I.S. EN 60335-2-73		190	Each		€ -	**No Response**
39	Housing	Building Services	Time Control	Smart	Smart-Capable Immersion Heater Controller with 7-Day Programmer	Type: Electronic time control unit suitable for electric immersion/water heating Supply: 230 V AC, 50 Hz Load capacity: Suitable for immersion heater loads up to 3 kW Programming: 7-day programmable operation Boost function: Manual boost facility Off-peak control: Suitable for off-peak / Economy 7 style water-heating applications Smart capability: Bluetooth, Wi-Fi or equivalent smart control capability Display: Digital display or equivalent user interface showing operating/programme status Override: Manual override facility Programme retention: Settings retained during loss of mains supply Mounting: Suitable for fixed wall-mounted residential installation Application: Suitable for control of domestic immersion and electric water-heating systems	I.S. EN 60730-1 I.S. EN 60730-2-7		285	Each		€ -	**No Response**
40	Housing	Building Services	Time Control	Standard	1 Channel Digital Time Clock	Type: One-channel electronic digital timeswitch Operating voltage: 230 V AC, 50 Hz Channels: 1 Switching capacity: Minimum 16 A resistive per channel Programming: 24-hour and 7-day programmable operation Programme capacity: Minimum 50 programmable switching events Minimum switching interval: 1 minute or less Display: Digital display showing time, programme and channel status Override: Independent manual ON/OFF override for each channel Summer/winter adjustment: Automatic or user-selectable daylight-saving time adjustment Memory backup: Non-volatile or rechargeable memory backup to retain programmed settings during loss of supply Mounting: surface mounting Application: Suitable for independent control of two heating electrical loads	I.S. EN 60730-1 I.S. EN 60730-2-7		55	Each		€ -	**No Response**
41	Housing	Building Services	Time Control	Standard	2 Channel Digital Time Clock	Type: Two-channel electronic digital timeswitch Operating voltage: 230 V AC, 50 Hz Channels: 2 independently programmable channels Switching capacity: Minimum 16 A resistive per channel Programming: 24-hour and 7-day programmable operation Programme capacity: Minimum 50 programmable switching events Minimum switching interval: 1 minute or less Display: Digital display showing time, programme and channel status Override: Independent manual ON/OFF override for each channel Summer/winter adjustment: Automatic or user-selectable daylight-saving time adjustment Memory backup: Non-volatile or rechargeable memory backup to retain programmed settings during loss of supply Mounting: surface mounting Application: Suitable for independent control of two heating electrical loads	I.S. EN 60730-1 I.S. EN 60730-2-7		50	Each		€ -	**No Response**

42	Housing	Building Services	Ventilation	Fan	4" Extractor Fan with Timer	Fan type: 100 mm (4") axial extractor fan with integral overrun timer Extraction rate: Minimum 25 litres/second (90 m³/hour) Specific fan power: Maximum 0.32 W/l/s Noise level: Maximum 29 dB(A) at 3 m Timer: Adjustable overrun time delay Supply voltage: 220–240 V AC, 50 Hz Mounting: Suitable for wall or ceiling mounting Duct connection: Nominal 100 mm diameter Construction: White thermoplastic enclosure suitable for residential use Application: Suitable for bathrooms, toilets and similar domestic ventilation applications	I.S. EN 60335-1 I.S. EN 60335-2-80		75	Each		€ -	**No Response**
43	Housing	Fire & Carbon Monoxide Detection	Carbon Monoxide Alarm		Battery Carbon Monoxide Alarm with RadioLINK – Ei Electronics Ei208WRF	Manufacturer/model: Ei Electronics Ei208WRF Alarm type: Battery-powered carbon monoxide alarm with integral wireless interconnection Sensor: Electrochemical carbon monoxide sensor Power supply: Sealed long-life lithium battery Wireless interconnection: Integral Ei RadioLINK wireless interconnection System compatibility: Required for compatibility and standardisation with existing Ei Electronics RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Mounting: Complete with suitable mounting plate/base Installation: No mains wiring required Product supplied shall be the stated Ei Electronics model	I.S. EN 50291-1:2018 I.S. EN 50291-2:2019, where applicable		200	Each		€ -	**No Response**
44	Housing	Fire & Carbon Monoxide Detection	Carbon Monoxide Alarm		Battery Carbon Monoxide Alarm with Wireless Interconnection – Generic	Alarm type: Battery-powered carbon monoxide alarm with integral wireless interconnection Sensor: Electrochemical carbon monoxide sensor with minimum 10-year operational life Power supply: Integral sealed lithium battery with minimum 10-year operational life; user-replaceable batteries are not acceptable Sound output: Minimum 85 dB(A) at 3 m Test facility: Integral test button to check sensor, electronics and sounder Alarm silence: User-operated alarm silence facility Fault indication: Visual and audible indication of fault and end-of-life condition Alarm memory: Facility to indicate or retrieve previous alarm activation Wireless interconnection: Integral radio-frequency interconnection capability with compatible alarms from the same manufacturer/system System coding: House-coding, pairing or equivalent facility to prevent interference with neighbouring alarm systems Mounting: Supplied complete with suitable mounting plate/base Installation: No mains wiring required Enclosure: Robust flame-retardant thermoplastic construction Product life: Minimum 10 years Guarantee: Minimum 10 years	I.S. EN 50291-1:2018 I.S. EN 50291-2:2019, where applicable		10	Each		€ -	**No Response**
45	Housing	Fire & Carbon Monoxide Detection	Heat Alarm		Battery Heat Alarm with RadioLINK – Ei Electronics Ei630iRF	Manufacturer/model: Ei Electronics Ei630iRF Alarm type: Battery-powered heat alarm with integral wireless interconnection Power supply: Integral sealed long-life lithium battery Wireless interconnection: Integral Ei RadioLINK wireless interconnection System compatibility: Required for compatibility and standardisation with existing Ei Electronics RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Mounting: Complete with suitable Ei mounting base/plate Application: Suitable for kitchens and other residential locations where heat detection is appropriate Product supplied shall be the stated Ei Electronics model	BS 5446-2 or equivalent I.S. EN/EN standard		225	Each		€ -	**No Response**
46	Housing	Fire & Carbon Monoxide Detection	Heat Alarm		Battery Heat Alarm with Wireless Interconnection – Generic	Alarm type: Battery-powered heat alarm with integral wireless interconnection Heat sensor: Thermistor or equivalent heat sensor suitable for residential fire detection Alarm activation temperature: Approximately 58°C or equivalent manufacturer-approved fixed-temperature response Power supply: Integral sealed lithium battery with minimum 10-year operational life; user-replaceable batteries are not acceptable Sound output: Minimum 85 dB(A) at 3 m Test facility: Integral test button Indicators: Visual alarm/status and fault indication Wireless interconnection: Integral radio-frequency interconnection capability with compatible alarms from the same manufacturer/system System coding: House-coding, pairing or equivalent facility to prevent interference with neighbouring alarm systems Mounting: Supplied complete with suitable mounting base/plate for ceiling installation Application: Suitable for kitchens and other residential locations where heat detection is appropriate Product life: Minimum 10 years Construction: Robust flame-retardant thermoplastic enclosure Guarantee: Minimum 10 years	BS 5446-2 or equivalent I.S. EN/EN standard		10	Each		€ -	**No Response**
47	Housing	Fire & Carbon Monoxide Detection	Smoke Alarm		Battery Optical Smoke Alarm with RadioLINK – Ei Electronics Ei650iRF	Manufacturer/model: Ei Electronics Ei650iRF Alarm type: Battery-powered optical smoke alarm with integral wireless interconnection Power supply: Integral sealed long-life lithium battery Wireless interconnection: Integral Ei RadioLINK wireless interconnection System compatibility: Required for compatibility and standardisation with existing Ei Electronics RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Mounting: Complete with suitable Ei mounting base/plate Application: Suitable for bedrooms, hallways, landings, living rooms and similar residential locations Product supplied shall be the stated Ei Electronics model	I.S. EN 14604		840	Each		€ -	**No Response**

48	Housing	Fire & Carbon Monoxide Detection	Smoke Alarm		Battery Optical Smoke Alarm with Wireless Interconnection – Generic	Alarm type: Battery-powered optical smoke alarm with integral wireless interconnection Sensor: Photoelectric/optical smoke sensor suitable for residential fire detection Sensor performance: Dust compensation or equivalent technology to maintain sensitivity over service life Power supply: Integral sealed lithium battery with minimum 10-year operational life; user-replaceable batteries are not acceptable Product life: Minimum 10 years Sound output: Minimum 85 dB(A) at 3 m Test facility: Integral test button checking sensor, electronics, battery and sounder Silence facility: Integral hush/silence function Indicators: Visual indication of alarm, fault and wireless status Wireless interconnection: Integral radio-frequency interconnection capability with compatible alarms from the same manufacturer/system System coding: House-coding, pairing or equivalent facility to prevent interference with neighbouring alarm systems Mounting: Supplied complete with suitable mounting base/plate for ceiling installation Application: Suitable for bedrooms, hallways, landings, living rooms and similar residential locations Construction: Robust flame-retardant thermoplastic enclosure Guarantee: Minimum 10 years	I.S. EN 14604		10	Each		€ -	**No Response**
49	Housing	Fire & Carbon Monoxide Detection	Carbon Monoxide Alarm		Mains Carbon Monoxide Alarm – Ei Electronics Ei3018	Manufacturer/model: Ei Electronics Ei3018 Alarm type: 230 V mains-powered carbon monoxide alarm with integral rechargeable lithium backup battery Sensor: Electrochemical carbon monoxide sensor Interconnection: Suitable for hard-wired interconnection and compatible Ei wireless interconnection module System compatibility: Required for compatibility and standardisation with existing Ei Electronics mains-powered / RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Mounting: Complete with compatible Ei quick-fit wiring base Application: Residential carbon monoxide detection Product supplied shall be the stated Ei Electronics model	I.S. EN 50291-1		160	Each		€ -	**No Response**
50	Housing	Fire & Carbon Monoxide Detection	Carbon Monoxide Alarm		Mains Carbon Monoxide Alarm – Generic	Alarm type: 230 V mains-powered carbon monoxide alarm with integral rechargeable backup battery Sensor: Electrochemical carbon monoxide sensor with minimum 10-year operational life Battery backup: Integral sealed rechargeable lithium battery with minimum 10-year design life; user-replaceable batteries are not acceptable Sound output: Minimum 85 dB(A) at 3 m Test facility: Integral test button to check sensor, electronics and sounder Alarm silence: User-operated alarm silence facility Fault indication: Visual and audible indication of fault and end-of-life condition Alarm memory: Facility to indicate previous alarm activation Interconnection: Capable of hard-wired interconnection with compatible alarms from the same manufacturer/system Wireless capability: Wireless interconnection capability integral or available through a manufacturer-approved accessory/module Mounting: Suitable for fixed installation with removable alarm head/base or equivalent serviceable arrangement Application: Residential carbon monoxide detection Product life: Minimum 10 years Construction: Robust flame-retardant thermoplastic enclosure Guarantee: Minimum 10 years	I.S. EN 50291-1		10	Each		€ -	**No Response**
51	Housing	Fire & Carbon Monoxide Detection	Heat Alarm		Mains Heat Alarm – Ei Electronics Ei3014	Manufacturer/model: Ei Electronics Ei3014 Alarm type: 230 V mains-powered heat alarm with integral rechargeable lithium backup battery Heat detection: Thermistor heat sensor suitable for residential applications Interconnection: Suitable for hard-wired interconnection and compatible Ei wireless interconnection module System compatibility: Required for compatibility and standardisation with existing Ei Electronics 3000 Series / RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Mounting: Complete with compatible Ei quick-fit wiring base where required Application: Suitable for kitchens and other locations where heat detection is appropriate Product supplied shall be the stated Ei Electronics model	BS 5446-2 or equivalent I.S. EN/EN standard		425	Each		€ -	**No Response**
52	Housing	Fire & Carbon Monoxide Detection	Heat Alarm		Mains Heat Alarm – Generic	Alarm type: 230 V mains-powered heat alarm with integral rechargeable backup battery Heat sensor: Thermistor or equivalent heat sensor suitable for residential fire detection Alarm activation temperature: Approximately 58°C or equivalent manufacturer-approved fixed-temperature response Battery backup: Integral rechargeable battery with minimum 10-year design life Sound output: Minimum 85 dB(A) at 3 m Test facility: Integral test button checking sensor, electronics and sounder Indicators: Visual indication for mains power, alarm and fault status Interconnection: Capable of hard-wired interconnection with compatible alarms from the same manufacturer/system Wireless capability: Wireless interconnection capability integral or available through a manufacturer-approved accessory/module Mounting: Suitable for fixed ceiling mounting with removable alarm head or equivalent serviceable arrangement Application: Suitable for kitchens and other residential locations where heat detection is appropriate Product life: Minimum 10 years Construction: Robust flame-retardant thermoplastic enclosure	I.S. EN 14604 where applicable to associated alarm system components BS 5446-2 for heat alarm performance or equivalent I.S. EN/EN standard		10	Each		€ -	**No Response**
53	Housing	Fire & Carbon Monoxide Detection	Smoke Alarm		Mains Optical Smoke Alarm – Ei Electronics Ei3016	Manufacturer/model: Ei Electronics Ei3016 Alarm type: 230 V mains-powered optical smoke alarm with integral rechargeable backup battery Interconnection: Suitable for hard-wired interconnection and compatible Ei wireless interconnection module System compatibility: Required for compatibility and standardisation with existing Ei Electronics 3000 Series / RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Mounting: Complete with compatible Ei quick-fit wiring base where required Application: Residential smoke detection Product supplied shall be the stated Ei Electronics model	I.S. EN 14604		1370	Each		€ -	**No Response**

54	Housing	Fire & Carbon Monoxide Detection	Smoke Alarm		Mains Optical Smoke Alarm – Generic	Alarm type: Mains-powered optical smoke alarm with integral rechargeable backup battery Sensor: Photoelectric/optical smoke sensor suitable for residential fire detection Supply voltage: 230 V AC, 50 Hz Battery backup: Integral rechargeable lithium battery with minimum 10-year design life Product life: Minimum 10 years Sound output: Minimum 85 dB(A) at 3 m Test facility: Integral test button checking sensor, electronics and sounder Silence facility: Integral hush/silence function Indicators: Visual indication for mains power, alarm and fault status Alarm memory: Facility to indicate previous alarm activation Interconnection: Capable of hard-wired interconnection with compatible smoke and heat alarms from the same manufacturer/system Wireless capability: Wireless interconnection capability integral or available through a manufacturer-approved accessory/module Mounting: Suitable for fixed ceiling mounting with removable alarm head or equivalent serviceable arrangement Construction: Robust flame-retardant thermoplastic enclosure Application: Suitable for bedrooms, hallways, landings, living rooms and similar residential locations	I.S. EN 14604		10	Each		€ -	**No Response**
55	Housing	Fire & Carbon Monoxide Detection	Radio / Interconnection Accessory		RadioLINK Alarm Base – Ei Electronics Ei168RC	Manufacturer/model: Ei Electronics Ei168RC Device type: Mains-powered wireless alarm interconnection base Supply voltage: 230 V AC, 50 Hz Battery backup: Integral rechargeable lithium battery Wireless interconnection: Integral Ei RadioLINK wireless interconnection System compatibility: Required for compatibility and standardisation with existing Ei Electronics RadioLINK / RadioLINK+ / SmartLINK installations within the DCC housing stock Function: Suitable for extending compatible hard-wired Ei alarm systems by wireless interconnection Mounting: Compatible Ei alarm mounting base arrangement Product supplied shall be the stated Ei Electronics model	Radio Equipment Directive 2014/53/EU Applicable ETSI RF and EMC standards		150	Each		€ -	**No Response**
56	Installations Electrical	Cable Management & Accessories	Cable Management	Conduit	20 mm Galvanised Steel Conduit	Conduit type: Heavy-duty rigid circular steel conduit External diameter: 20 mm Material: Steel Finish: Hot-dip galvanised internally and externally, Class 4 corrosion resistance Threading: Threaded at both ends Supply length: Standard manufacturer's length Accessories included: One matching galvanised steel coupler and one plastic thread-protector cap supplied with each length Internal finish: Smooth and free from burrs, sharp edges and projections that could damage cable insulation	I.S. EN 61386-1 I.S. EN 61386-21		265	Metre		€ -	**No Response**
57	Installations Electrical	Cable Management & Accessories	Cable Management	Conduit	25 mm Galvanised Steel Conduit	Conduit type: Heavy-duty rigid circular steel conduit External diameter: 25 mm Material: Steel Finish: Hot-dip galvanised internally and externally, Class 4 corrosion resistance Threading: Threaded at both ends Supply length: Standard manufacturer's length Accessories included: One matching galvanised steel coupler and one plastic thread-protector cap supplied with each length Internal finish: Smooth and free from burrs, sharp edges and projections that could damage cable insulation	I.S. EN 61386-1 I.S. EN 61386-21		75	Metre		€ -	**No Response**
58	Housing	Cable Management & Accessories	Cable Management	Trunking	100 × 50 mm Heavy-Duty PVC-U Trunking Profile	Nominal dimensions: 100 mm wide × 50 mm deep Material: High-impact, self-extinguishing, non-flame-propagating PVC-U Colour: White Wall construction: Rigid, robust construction resistant to twisting, bowing and damage during handling and installation Compartmentation: Single or divided compartment options Accessories and compatibility: All trunking lengths, lids, dividers, fittings and accessories shall form part of one compatible proprietary system and fit without site modification. Quality requirement: The trunking shall be a robust, premium-grade proprietary system with securely retained lids, rigid walls and a complete range of compatible manufacturer-produced fittings and accessories. Lightweight economy-grade trunking, mixed-system components and site-fabricated fittings shall not be accepted	I.S. EN 50085-1 I.S. EN 50085-2-1		120	Metre		€ -	**No Response**
59	Housing	Cable Management & Accessories	Cable Management	Trunking	25 × 16 mm (W x D) Self-Adhesive PVC-U Mini Trunking	Material: High-impact, self-extinguishing and non-flame-propagating PVC-U Colour: White Construction: Trunking base with securely fitting removable clip-on lid Fixing: Factory-applied continuous self-adhesive backing tape suitable for securing the trunking to clean, dry and smooth internal surfaces Adhesive performance: Adhesive backing shall provide secure initial fixing without lifting, curling or detachment during normal installation; additional mechanical fixings shall be used where required by the substrate, loading or manufacturer's instructions IAccessories and compatibility: All trunking lengths, lids, fittings and accessories shall form part of one compatible proprietary system and fit without site modification	I.S. EN 50085-1 I.S. EN 50085-2-1		835	Metre		€ -	**No Response**
60	Housing	Cable Management & Accessories	Cable Management	Trunking	40 × 25 mm (W x D) Self-Adhesive PVC-U Mini Trunking	Material: High-impact, self-extinguishing and non-flame-propagating PVC-U Colour: White Construction: Trunking base with securely fitting removable clip-on lid Fixing: Factory-applied continuous self-adhesive backing tape suitable for securing the trunking to clean, dry and smooth internal surfaces Adhesive performance: Adhesive backing shall provide secure initial fixing without lifting, curling or detachment during normal installation; additional mechanical fixings shall be used where required by the substrate, loading or manufacturer's instructions IAccessories and compatibility: All trunking lengths, lids, fittings and accessories shall form part of one compatible proprietary system and fit without site modification	I.S. EN 50085-1 I.S. EN 50085-2-1		625	Metre		€ -	**No Response**
61	Public Lighting	Cable Management & Accessories	Cable Management	Ducting	ESB 110mm Red HDPE Ducting 6mtr Socketed	Duct type: Rigid underground electrical cable duct suitable for utility and public-lighting installations Nominal outside diameter: 110 mm Length: 6 m Colour: Red Material: High-density polyethylene (HDPE) Construction: Smooth-bore rigid duct with one factory-formed socketed end for jointing Marking: Permanently marked to identify electrical-service use, nominal size, manufacturer and applicable standard Supply: 6 m socketed length	Ducting shall comply with the current ESB Networks specification for 110 mm red electrical cable duct and be suitable for use on ESB Networks-related installations.		385	Each		€ -	**No Response**

62	Public Lighting	Circuit Protection & Distribution	Circuit Protection	Fuse	6 A NSD HRC Fuse Link (Lawson or compatible) 	Type: BS88 F1 HRC fuse link with offset blade tags Rated current: 6 A Rated voltage: 550 V AC Breaking capacity: Minimum 80 kA Utilisation category: gG Fuse size: F1 Connection: Offset blade-tag type Application: Suitable for existing compatible NSD fuse holders and low-voltage distribution/public-lighting equipment Compatibility: Suitable for Lawson / Eaton Bussmann 32NNS / SC32 type holders or equivalent compatible system	BS 88-2 or equivalent I.S. EN/EN standard I.S. EN IEC 60269-2		655	Each		€ -	**No Response**
63	Public Lighting	Circuit Protection & Distribution	Circuit Protection	Fuse	32 A Single-Pole BS88/F1 Fuse Base (32NNSF or compatible) 	Device type: Low-voltage HRC fuse base / fuse holder Rated current: 32 A Rated operational voltage: 550 V AC Poles: 1P Construction size: BS88/F1 Connection: Front connected Fuse compatibility: Suitable for NSD-type fuse links or fully equivalent compatible fuse-link system Mounting: Bus/rail mounting arrangement suitable for the intended distribution equipment Construction: Robust insulating body with corrosion-resistant conductive components Application: Suitable for low-voltage distribution boards, feeder pillars, public-lighting equipment and similar fixed electrical installations	BS 88 / I.S. EN IEC 60269-1 I.S. EN IEC 60269-2		695	Each		€ -	**No Response**
64	Installations Housing	Circuit Protection & Distribution	Circuit Protection	MCB	MCB 1P Type B 10A (Generic)	Device type: Single-pole miniature circuit breaker for final circuit protection Rated current: 10 A Tripping characteristic: Type B Rated operational voltage: 230/400 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA at 230/400 V AC Poles: 1P	I.S. EN 60898-1		130	Each		€ -	**No Response**
65	Installations Housing	Circuit Protection & Distribution	Circuit Protection	MCB	ABB S201 MCB 1P Type B 10A	Rated current: 20 A Tripping characteristic: Type B Rated operational voltage: 230/400 V AC Frequency: 50/60 Hz Breaking capacity: 10 kA minimum at 230/400 V AC Poles: 1P	I.S. EN 60898-1		200	Each		€ -	**No Response**
66	Installations Housing	Circuit Protection & Distribution	Circuit Protection	MCB	MCB 1P Type B 20A (Generic)	Device type: Single-pole miniature circuit breaker for final circuit protection Rated current: 20 A Tripping characteristic: Type B Rated operational voltage: 230/400 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA at 230/400 V AC Poles: 1P	I.S. EN 60898-1		50	Each		€ -	**No Response**
67	Installations Housing	Circuit Protection & Distribution	Circuit Protection	MCB	ABB S201 MCB 1P Type B 20A	Rated current: 20 A Tripping characteristic: Type B Rated operational voltage: 230/400 V AC Frequency: 50/60 Hz Breaking capacity: 10 kA minimum at 230/400 V AC Poles: 1P	I.S. EN 60898-1		200	Each		€ -	**No Response**
68	Other	Circuit Protection & Distribution	Circuit Protection	MCB	MCB 1P Type B 32A (Generic)	Device type: Single-pole miniature circuit breaker for final circuit protection Rated current: 32 A Tripping characteristic: Type B Rated operational voltage: 230/400 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA at 230/400 V AC Poles: 1P	I.S. EN 60898-1		25	Each		€ -	**No Response**
69	Other	Circuit Protection & Distribution	Circuit Protection	MCB	ABB S201 MCB 1P Type B 32A	Rated current: 20 A Tripping characteristic: Type B Rated operational voltage: 230/400 V AC Frequency: 50/60 Hz Breaking capacity: 10 kA minimum at 230/400 V AC Poles: 1P	I.S. EN 60898-1		80	Each		€ -	**No Response**
70	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	RCBO, 1 Module, 1P+N, Curve Type B, RCD Type A, 20A 30mA (Generic)	Device type: Single-pole residual current circuit breaker with overcurrent protection for final circuit protection Rated current: 20 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 1P Module: 1 Mod	I.S. EN 61009-1		10	Each		€ -	**No Response**
71	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	Hager RCBO (ADB520G) 1 Module, 1P+N, Curve Type B, RCD Type A, 20A 30mA	Manufacturer: Hager or exact replacement compatible with existing Hager distribution Rated current: 20 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 1P Module: 1 Mod	I.S. EN 61009-1		235	Each		€ -	**No Response**

72	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	RCBO 2 Module, 1P+N , Curve Type B, RCD Type A, 10A 30mA (Generic)	Device type: Double-pole residual current circuit breaker with overcurrent protection Rated current: 10 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 2P Module: 2 Mod	I.S. EN 61009-1		10	Each		€ -	**No Response**
73	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	ABB DS201 RCBO 2 Module, 1P+N , Curve Type B, RCD Type A, 10A 30mA	Manufacturer: ABB or exact replacement compatible with existing ABB distribution equipment. Rated current: 10 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 2P Module: 2 Mod	I.S. EN 61009-1		70	Each		€ -	**No Response**
74	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	RCBO 2 Module, 1P+N , Curve Type B, RCD Type A, 20A 30mA (Generic)	Device type: Double-pole residual current circuit breaker with overcurrent protection Rated current: 20 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 2P Module: 2 Mod	I.S. EN 61009-1		20	Each		€ -	**No Response**
75	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	ABB DS201 RCBO 2 Module, 1P+N , Curve Type B, RCD Type A, 20A 30mA	Manufacturer: ABB or exact replacement compatible with existing ABB distribution equipment. Rated current: 20 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 2P Module: 2 Mod	I.S. EN 61009-1		330	Each		€ -	**No Response**
76	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	RCBO 2 Module, 1P+N , Curve Type B, RCD Type A, 40A 30mA (Generic)	Device type: Double-pole residual current circuit breaker with overcurrent protection Rated current: 40 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 2P Module: 2 Mod	I.S. EN 61009-1		10	Each		€ -	**No Response**
77	Installations Housing	Circuit Protection & Distribution	Circuit Protection	RCBO	ABB DS201 RCBO 2 Module, 1P+N , Curve Type B, RCD Type A, 40A 30mA	Device type: Double-pole residual current circuit breaker with overcurrent protection Rated current: 40 A Tripping characteristic: Type B Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Breaking capacity: Minimum 6 kA Pole: 2P Module: 2 Mod	I.S. EN 61009-1		110	Each		€ -	**No Response**
78	Housing	Circuit Protection & Distribution	Circuit Protection	RCD	RCD 2P 63A 30mA Type A (Generic)	Device type: Double-pole residual current device without integral overcurrent protection Rated current: 63 A Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Poles: 2P	I.S. EN 61008-1		10	Each		€ -	**No Response**
79	Housing	Circuit Protection & Distribution	Circuit Protection	RCD	ABB RCD 2P 63A 30mA Type A	Device type: Double-pole residual current device without integral overcurrent protection Rated current: 63 A Rated residual operating current: 30 mA RCD type: Type A Rated operational voltage: 230 V AC Frequency: 50/60 Hz Poles: 2P	I.S. EN 61008-1		90	Each		€ -	**No Response**

80	Public Lighting	Circuit Protection & Distribution	Distribution Enclosure	Interface Box	ESB Interface Box	Type: Fully Assembled Public-Lighting ESB Interface Box complete with Backplate, Cut-Outs and Mounting Bracket Enclosure: Robust weather-resistant, non-corroding enclosure suitable for permanent external pole-mounted installation Ingress protection: Minimum IP65 Backplate: Internal equipment mounting backplate suitable for the complete interface assembly Electrical equipment: Complete with all required cut-outs, isolating/protective devices, terminals, internal wiring and associated components necessary for the public-lighting interface arrangement Mounting: Complete with corrosion-resistant pole mounting bracket and all associated fixings Internal wiring: Factory assembled and terminated, using appropriately rated conductors and terminals Construction: All components shall be securely mounted and arranged to permit safe operation, inspection and maintenance Corrosion resistance: Enclosure, hinges, screws, brackets and external fixings shall be suitable for permanent outdoor exposure Application: Suitable for public-lighting installations supplied from or mounted on ESB Networks overhead infrastructure Supply: Complete fully assembled unit ready for installation and final field connections	ESB Networks National Code of Practice at Customer Interface Current ESB Networks Public Lighting Interface requirements and equipment specifications		80	Each		€ -	**No Response**
81	Public Lighting	Circuit Protection & Distribution	Distribution Enclosure	Interface Box	Fully Assembled Outdoor Public-Lighting Service / Interface Box	Type: Fully assembled outdoor service/interface unit suitable for public-lighting and overhead supply applications Electrical arrangement: Single-phase 230 V or as scheduled Current rating: Up to 100 A Enclosure: Tough weatherproof non-metallic enclosure of polycarbonate, glass-filled polyester or equivalent high-strength material Ingress protection: Minimum IP55, with IP65 where required by the offered configuration Security: Lockable or otherwise secured cover to prevent unauthorised access Mounting: Suitable for external pole or wall mounting, complete with corrosion-resistant mounting bracket or external fixing arrangement Backplate: Internal equipment mounting backplate included Cut-out: Complete with suitable service/public-lighting cut-out and associated terminals as scheduled Cable entry: Versatile glanding arrangement suitable for the incoming and outgoing cable sizes Earthing: Suitable for the required TN-C-S/CNE or associated earthing arrangement where applicable Internal assembly: Cut-out, terminals and associated components factory mounted and fully assembled Construction: Internal components arranged to permit safe connection, inspection, fuse replacement and maintenance External hardware: All brackets, screws and fixings shall be corrosion resistant and suitable for permanent outdoor exposure Supply: Complete ready-to-install assembly including enclosure, backplate, cut-out, mounting arrangement and associated internal components	I.S. EN 60529		180	Each		€ -	**No Response**
82	Public Lighting	Circuit Protection & Distribution	Distribution Enclosure	Neutral Link Box	5-Way All-Insulated Neutral Link Box, 100 A 	Type: Five-way all-insulated neutral link / connector box Current rating: 100 A minimum Terminal block: Electro-tin-plated brass or equivalent high-conductivity material Housing: Robust thermoplastic insulating enclosure Cable entries: Five-way arrangement with serrated cable bores Termination: Two M8 slotted-head cable pinching screws per conductor Security: Sealing-wire facility Cover: Captive external cover screw Unused entries: Removable shields for unused cable entries Application: Suitable for neutral and general conductor termination in street-lighting columns, feeder pillars and similar electrical installations	I.S. EN 60998-1 and I.S. EN 60998-2-1, where applicable to the offered connecting device		825	Each		€ -	**No Response**
83	Public Lighting	Controls & Automation	Photocell	Photocell	NEMA Photocell, 35/18 Lux – Public Lighting (Westire or equivalent)	Type: Plug-in photoelectric control unit for automatic public-lighting switching Mounting: Standard NEMA twist-lock interface Supply voltage: 230 V AC nominal, 50/60 Hz Switching level: Nominal ON at 35 lux / OFF at 18 lux Operation: Automatic dusk-to-dawn control based on ambient light level Time delay: Integral delay to prevent nuisance switching from transient light sources Load suitability: Suitable for switching public-lighting luminaires and associated control gear Power consumption: Low standby consumption suitable for continuous operation Ingress protection: Minimum IP67 Operating temperature: Suitable for external public-lighting environments Housing: UV-stabilised weather-resistant enclosure Surge protection: Integral surge protection suitable for public-lighting applications Fail mode: Fail-on preferred Application: Public lighting columns, lanterns and exterior lighting installations	ANSI C136.10 I.S. EN 60529 I.S. EN 55015 I.S. EN 61547		715	Each		€ -	**No Response**
84	Public Lighting	Controls & Automation	Photocell	Photocell	NEMA Photocell, 70/70 Lux – Public Lighting (Westire or equivalent)	Type: Plug-in photoelectric control unit for automatic public-lighting switching Mounting: Standard NEMA twist-lock interface Supply voltage: 105–305 V AC, 50/60 Hz or equivalent wide-range supply Switching level: Nominal 70 lux ON / 70 lux OFF or equivalent specified switching characteristic Load rating: Minimum 1000 W / 1800 VA suitable for public-lighting loads Operation: Automatic dusk-to-dawn switching Time delay: Integral switching delay to prevent nuisance operation from transient light sources Power consumption: Maximum 0.5 W Ingress protection: Minimum IP67 Operating temperature: Minimum -40°C to +70°C Housing: UV-stabilised weather-resistant polycarbonate or equivalent Surge protection: Integral surge protection suitable for public-lighting applications Fail mode: Fail-on preferred Application: Public lighting columns, lanterns and exterior lighting installations	ANSI C136.10 I.S. EN 55015 I.S. EN 61547 I.S. EN 61000-3-2 I.S. EN 61000-3-3 I.S. EN 60529		1300	Each		€ -	**No Response**

85	Public Lighting	Controls & Automation	Time Control		2-Channel Astronomical Digital Time Clock – Public Lighting	Type: Electronic 2-channel astronomical time clock for public lighting control Supply voltage: 230 V AC nominal, 50Hz Channels: 2 independently controlled channels Switching capacity: Minimum 10 A per channel, suitable for lighting and reactive loads Astronomical control: Automatic dusk and dawn switching based on programmed geographic location Programming: 7-day programmable operation with additional timed ON/OFF events Location setting: User-programmable latitude/longitude or equivalent location-based astronomical setting Override: Manual override facility for each channel Automatic adjustment: Automatic seasonal daylight-saving/time adjustment Display: Digital LCD or equivalent display Programme protection: Lockout, security code or equivalent facility to prevent unauthorised alteration Memory backup: Long-term retention of clock and programme settings during loss of supply Mounting: 35 mm DIN-rail mounting Enclosure: Suitable for installation within public-lighting feeder pillars, columns or control enclosures Application: Suitable for switching and control of public-lighting circuits	I.S. EN 60730-1 I.S. EN 60730-2-7		50	Each		€ -	**No Response**
86	Public Lighting	Lighting & Lamps	Control Gear	Ballast CDM	70W CDM-T Electronic Ballast Philips Compatible	Ballast type: Electronic control gear suitable for 70 W ceramic metal halide CDM-T lamps Application: Public lighting luminaires Lamp rating: 70 W Supply voltage: 220–240 V AC, 50/60 Hz Operation: High-frequency electronic operation suitable for ceramic metal halide lamps Ignition: Integral lamp starting/ignition function Power factor: Minimum 0.95 Protection: Integral protection against short circuit, open circuit, lamp failure and end-of-life conditions Thermal protection: Integral over-temperature protection Construction: Robust enclosed electronic ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Lamp compatibility: Suitable for 70 W CDM-T lamps or equivalent ceramic metal halide lamps Serviceability: Suitable for replacement of existing public lighting electronic ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-12 I.S. EN 60929, where applicable		190	Each		€ -	**No Response**
87	Public Lighting	Lighting & Lamps	Control Gear	Ballast CDM	150 W CDM-T Electronic Ballast Philips Compatible	Ballast type: Electronic control gear suitable for 150 W ceramic metal halide CDM-T lamps Application: Public lighting luminaires Lamp rating: 150 W Supply voltage: 220–240 V AC, 50/60 Hz Operation: High-frequency electronic operation suitable for ceramic metal halide lamps Ignition: Integral lamp starting/ignition function Power factor: Minimum 0.95 Protection: Integral protection against short circuit, open circuit, lamp failure and end-of-life conditions Thermal protection: Integral over-temperature protection Construction: Robust enclosed electronic ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Lamp compatibility: Suitable for 150 W CDM-T lamps or equivalent ceramic metal halide lamps Serviceability: Suitable for replacement of existing public lighting electronic ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-9		185	Each		€ -	**No Response**
88	Public Lighting	Lighting & Lamps	Control Gear	Ballast CPO	60 W Cosmo CPO Electronic Ballast Philips Compatible	Ballast type: Electronic control gear suitable for 60 W CPO / CosmoPolis ceramic metal halide lamps Application: Public lighting and exterior lighting luminaires Lamp rating: 60 W Supply voltage: Suitable for 230 V AC nominal supply, 50/60 Hz Lamp compatibility: Suitable for compatible 60 W CPO / CosmoPolis lamps Ignition: Integral electronic lamp ignition Power factor: Minimum 0.95 Protection: Integral protection against abnormal lamp operation and thermal overload Surge protection: Suitable for public lighting applications Construction: Robust enclosed electronic ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Serviceability: Suitable for replacement of existing 60 W CPO electronic ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-12 I.S. EN 61547		15	Each		€ -	**No Response**
89	Public Lighting	Lighting & Lamps	Control Gear	Ballast SON	100W SON Electronic Ballast Philips Compatible	Ballast type: Electronic control gear suitable for 100 W high-pressure sodium (SON) lamps Application: Public lighting luminaires Lamp rating: 100 W Supply voltage: 220–240 V AC, 50/60 Hz Operation: Electronic operation suitable for compatible high-pressure sodium lamps Ignition: Integral lamp starting/ignition function Power factor: Minimum 0.95 Protection: Integral protection against short circuit, open circuit, lamp failure and end-of-life conditions Thermal protection: Integral over-temperature protection Construction: Robust enclosed electronic ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Lamp compatibility: Suitable for 100 W SON / high-pressure sodium lamps Serviceability: Suitable for replacement of existing public lighting electronic ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-12 I.S. EN 60929, where applicable		245	Each		€ -	**No Response**
90	Public Lighting	Lighting & Lamps	Control Gear	Ballast SON	70 W SON / MH (Metal Halide) Ballast Philips Compatible	Ballast type: Electromagnetic control gear suitable for high-pressure sodium (SON) and metal halide lamps Application: Public lighting luminaires Lamp rating: 70 W Supply voltage: 230/240 V AC, 50 Hz Lamp compatibility: Suitable for operation of compatible 70 W SON and metal halide lamps Ignition: Suitable for use with compatible external ignitor where required Power factor correction: Suitable for use with compatible capacitor where required Dimming: Non-dimmable Construction: Robust enclosed ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Serviceability: Suitable for replacement of existing public lighting ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-9		55	Each		€ -	**No Response**

91	Public Lighting	Lighting & Lamps	Control Gear	Ballast SON	150W Son Electronic Ballast Philips Compatible	Ballast type: Electronic control gear suitable for 150 W high-pressure sodium (SON) lamps Application: Public lighting luminaires Lamp rating: 150 W Supply voltage: 220–240 V AC, 50/60 Hz Operation: Electronic operation suitable for compatible high-pressure sodium lamps Ignition: Integral lamp starting/ignition function Power factor: Minimum 0.95 Protection: Integral protection against short circuit, open circuit, lamp failure and end-of-life conditions Thermal protection: Integral over-temperature protection Construction: Robust enclosed electronic ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Lamp compatibility: Suitable for 150 W SON / high-pressure sodium lamps Serviceability: Suitable for replacement of existing public lighting electronic ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-12 I.S. EN 60929, where applicable		285	Each		€ -	**No Response**
92	Public Lighting	Lighting & Lamps	Control Gear	Ballast SON	250 W SON / MH (Metal Halide) Ballast Philips Compatible	Ballast type: Electromagnetic control gear suitable for high-pressure sodium (SON) and metal halide lamps Application: Public lighting luminaires Lamp rating: 250 W Supply voltage: 230/240 V AC, 50 Hz Lamp compatibility: Suitable for operation of compatible 250 W SON and metal halide lamps Ignition: Suitable for use with compatible external ignitor where required Power factor correction: Suitable for use with compatible capacitor where required Dimming: Non-dimmable Construction: Robust enclosed ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Serviceability: Suitable for replacement of existing public lighting ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-9		30	Each		€ -	**No Response**
93	Public Lighting	Lighting & Lamps	Control Gear	Ballast SOX	55 W Sox Electronic Ballast	Ballast type: Electromagnetic ballast suitable for low-pressure sodium (SOX) lamps Application: Public lighting luminaires Supported lamp wattage: 35 W and 55 W Supply voltage: 230/240 V AC, 50 Hz Dimming: Non-dimmable Operating temperature: 0°C to +75°C minimum Construction: Robust enclosed ballast suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Lamp compatibility: Suitable for 35 W and 55 W SOX low-pressure sodium lamps Serviceability: Suitable for replacement of existing public lighting ballast installations	I.S. EN 61347-1 I.S. EN 61347-2-9		370	Each		€ -	**No Response**
94	Public Lighting	Lighting & Lamps	Control Gear	Ignitor	100w-600w Son Ignitor (Digital)	Ignitor type: Semi-parallel ignitor suitable for high-pressure sodium (SON) lamps Application: Public lighting luminaires Lamp compatibility: Suitable for SON lamps rated from 100 W to 600 W Supply voltage: 220–240 V AC Frequency: 50/60 Hz Connection: Screw-terminal connection Ignition function: Suitable for reliable starting of compatible SON lamps when used with the appropriate ballast Construction: Robust enclosed control gear suitable for installation within public lighting luminaires or gear compartments Environmental suitability: Suitable for outdoor public lighting applications when installed within the luminaire enclosure Serviceability: Suitable for replacement of existing semi-parallel SON ignitors	I.S. EN 61347-1 I.S. EN 61347-2-1		100	Each		€ -	**No Response**
95	Installations Electrical	Lighting & Lamps	Fluorescent / CFL Lamp	Starter	4–65 W Fluorescent Lamp Starter	Lighting Product Type Batten Power Rating (Watts Kw) 4-65 W Power Voltage Supply 240 V Product Type Fluorescent Starter Temperature Range -20 to 80 °C	I.S. EN 60155		1315	Each		€ -	**No Response**
96	Housing	Lighting & Lamps	Lamp	2D Retrofit	LED 2D Retrofit Lamp, Direct-Mains, Selectable Wattage and Selectable CCT	Lamp type: LED retrofit light source suitable for conversion of existing 2D fluorescent luminaires Supply: Direct 220–240 V AC mains operation, 50/60 Hz Wattage: Multi-wattage selectable, minimum three selectable output levels Light output: Minimum selectable outputs of approximately 1,200 / 1,800 / 2,400 lumens or equivalent performance range Colour temperature: Selectable 3000 K / 4000 K / 6500 K or equivalent Colour rendering: Minimum CRI 80 Power factor: Minimum 0.9 Flicker performance: Flicker-reduced / flicker-free operation Service life: Minimum 50,000 hours nominal LED life Operating temperature: Suitable for ambient temperatures up to at least +40°C Construction: Robust retrofit LED light source suitable for installation within compatible existing circular/2D-style luminaires Application: Suitable for replacement of existing 28 W and 38 W 2D fluorescent lamp arrangements following conversion of the luminaire to direct-mains LED operation Control gear arrangement: Existing fluorescent ballast, starter and other redundant control gear shall be bypassed or removed in accordance with the LED lamp manufacturer's instructions Lampholder/interface: Suitable for secure installation within the existing 2D luminaire arrangement using the manufacturer's approved mounting/connection system Conversion identification: Converted luminaires shall be permanently labelled to indicate direct-mains LED operation and that fluorescent lamps/control gear shall not be refitted Electrical safety: Conversion shall maintain the luminaire's protective earthing, insulation, enclosure integrity and applicable IP rating Maintenance: Replacement LED light source shall be readily removable and replaceable without replacement of the complete luminaire	I.S. EN 62560 I.S. EN 62471 I.S. EN 60598-1, as applicable to the converted luminaire I.S. EN 60598-2-1, as applicable to the converted luminaire		960	Each		€ -	**No Response**

97	Public Lighting	Lighting & Lamps	Lamp	Corn	CCT-Selectable LED High-Power Corn Lamp, E27 (18 W Approx)	Lamp type: High-output LED corn lamp for retrofit applications Rated power: Approximately 18 W Cap/base: E27 Edison screw Light output: Minimum 2,700 lumens Colour temperature: Selectable 3000 K / 4000 K / 5000 K Input voltage: 100–277 V AC Ingress protection: Minimum IP65 Dimensions: Approximately 148 mm long × 50 mm diameter Construction: Robust high-output LED lamp suitable for commercial and industrial retrofit use Application: Suitable for replacement of higher-energy lamps in compatible luminaires Warranty: Minimum 5 years	I.S. EN 62560 I.S. EN 62471		95	Each		€ -	**No Response**
98	Installations Electrical	Lighting & Lamps	Lamp	GU10	GU10 LED Lamp, Warm White (4.5 W Approx.)	Lamp type: LED reflector lamp Cap/base: GU10 Rated power: Approximately 4.5 W Supply voltage: 220–240 V AC Colour temperature: 3000 K warm white Light output: Minimum 345 lumens Dimensions: Approximately 54 mm × 50 mm Ingress protection: Minimum IP20 Colour rendering: Minimum CRI 80 Starting time: Instant full light output Dimming: Non-dimmable unless otherwise specified Lamp life: Minimum manufacturer-declared life suitable for general residential/commercial use Warranty: Minimum 2 years Application: Replacement for conventional GU10 halogen lamps in compatible luminaires	I.S. EN 62560 I.S. EN 62471		455	Each		€ -	**No Response**
99	Installations Electrical	Lighting & Lamps	Lamp	Linear	4 ft T8 LED Tube, 4000 K, Frosted	Lamp type: T8 LED tube suitable as replacement for 4 ft / 36 W fluorescent lamp Length: Approximately 1200 mm Cap/base: G13 bi-pin Colour temperature: 4000 K Lamp finish: Frosted Light output: Minimum 2,400 lumens Luminous efficacy: Minimum 160 lm/W Colour rendering: Minimum CRI 80 Supply voltage: 220–240 V AC, 50/60 Hz Power factor: Minimum 0.9 Beam angle: Minimum 160° Starting time: Instant start Dimming: Non-dimmable Lamp life: Minimum 50,000 hours Control gear compatibility: Suitable for direct mains operation and/or compatible electromagnetic ballast operation as declared by manufacturer Application: Replacement of existing 4 ft T8 fluorescent lamps in compatible luminaires	I.S. EN 62776 I.S. EN 62471		340	Each		€ -	**No Response**
100	Installations Electrical	Lighting & Lamps	Lamp	Linear	5 ft T8 LED Tube, 4000 K, Frosted	Lamp type: T8 LED tube suitable as replacement for 5 ft / 58 W fluorescent lamp Length: Approximately 1500 mm Cap/base: G13 bi-pin Colour temperature: 4000 K Lamp finish: Frosted Light output: Minimum 3,400 lumens Luminous efficacy: Minimum 150 lm/W Colour rendering: Minimum CRI 80 Supply voltage: 220–240 V AC, 50/60 Hz Power factor: Minimum 0.9 Beam angle: Minimum 160° Starting time: Instant start Dimming: Non-dimmable Lamp life: Minimum 50,000 hours Control gear compatibility: Suitable for direct mains operation and/or compatible electromagnetic ballast operation as declared by manufacturer Application: Replacement of existing 5 ft T8 fluorescent lamps in compatible luminaires	I.S. EN 62776 I.S. EN 62471		150	Each		€ -	**No Response**
101	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CDO	70 W CDO-TT CityWhite Ceramic Metal Halide Lamp – Philips MASTER CityWhite or Equivalent	Lamp type: Ceramic metal halide CDO-TT / CityWhite-type lamp Rated power: 70 W nominal Cap/base: E27 Colour code: 828 Colour temperature: 2700-2800 K Lamp finish: Clear Lamp shape: T35 tubular Light output: Minimum 7,500 lumens Luminous efficacy: Minimum 100 lm/W Colour rendering: Minimum CRI 80 Operating position: Universal Dimming: Suitable for dimming where permitted by manufacturer and compatible control gear Control gear: Suitable for operation with compatible CDO-TT control gear Lamp life: Minimum 25,000 hours nominal life to 50% failures Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CityWhite / CDO-TT installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		55	Each		€ -	**No Response**

102	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CDO	100 W CDO-TT CityWhite Ceramic Metal Halide Lamp – Philips MASTER CityWhite or Equivalent	Lamp type: Ceramic metal halide CDO-TT / CityWhite-type lamp Rated power: 100 W Cap/base: E40 Colour code: 828 Colour temperature: 2700-2800 K Lamp finish: Clear Lamp shape: Tubular Light output: Minimum 10,000 lumens Luminous efficacy: Minimum 100 lm/W Colour rendering: Minimum CRI 80 Operating position: Universal Dimming: Suitable for dimming where permitted by manufacturer and compatible control gear Control gear: Suitable for operation with compatible CDO-TT control gear Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CityWhite / CDO-TT installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		25	Each		€ -	**No Response**
103	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CDO	250 W CDO-TT CityWhite Ceramic Metal Halide Lamp – Philips MASTER CityWhite or Equivalent	Lamp type: Ceramic metal halide CDO-TT / CityWhite-type lamp Rated power: 250 W Cap/base: E40 Colour code: 830 Colour temperature: 3000 K Lamp finish: Clear Lamp shape: Tubular Light output: Minimum 28,000 lumens Luminous efficacy: Minimum 110 lm/W Colour rendering: Minimum CRI 80 Operating position: Universal Dimming: Suitable for dimming where permitted by manufacturer and compatible control gear Control gear: Suitable for operation with compatible CDO-TT control gear Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CityWhite / CDO-TT installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		145	Each		€ -	**No Response**
104	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CPO	45 W CPO-TW Xtra Ceramic Metal Halide Lamp – Philips MASTER CosmoWhite or Equivalent	Lamp type: Ceramic metal halide CPO-TW / CosmoPolis-type lamp Rated power: 45 W Cap/base: PGZ12 Colour code: 728 Colour temperature: 2700-2800 K Lamp finish: Clear Light output: Minimum 4,500 lumens Luminous efficacy: Minimum 100 lm/W Colour rendering: Minimum CRI 60 Operating position: Universal Control gear: Suitable for operation with compatible electronic CPO-TW control gear Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CosmoWhite / CPO-TW installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		45	Each		€ -	**No Response**
105	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CPO	60 W CPO-TW Xtra Ceramic Metal Halide Lamp – Philips MASTER CosmoWhite or Equivalent	Lamp type: Ceramic metal halide CPO-TW / CosmoPolis-type lamp Rated power: 60 W Cap/base: PGZ12 Colour code: 728 Colour temperature: 2700-2800 K Lamp finish: Clear Light output: Minimum 6,500 lumens Luminous efficacy: Minimum 105 lm/W Colour rendering: Minimum CRI 60 Operating position: Universal Control gear: Suitable for operation with compatible electronic CPO-TW control gear Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CosmoWhite / CPO-TW installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		90	Each		€ -	**No Response**
106	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CPO	90 W CPO-TW Xtra Ceramic Metal Halide Lamp – Philips MASTER CosmoWhite or Equivalent	Lamp type: Ceramic metal halide CPO-TW / CosmoPolis-type lamp Rated power: 90 W Cap/base: PGZ12 Colour code: 728 Colour temperature: 2700-2800 K Lamp finish: Clear Light output: Minimum 10,000 lumens Luminous efficacy: Minimum 110 lm/W Colour rendering: Minimum CRI 60 Operating position: Universal Control gear: Suitable for operation with compatible electronic CPO-TW control gear Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CosmoWhite / CPO-TW installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		35	Each		€ -	**No Response**
107	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	CPO	140 W CPO-TW Xtra Ceramic Metal Halide Lamp – Philips MASTER CosmoWhite or Equivalent	Lamp type: Ceramic metal halide CPO-TW / CosmoPolis-type lamp Rated power: 140 W Cap/base: PGZ12 Colour code: 728 Colour temperature: 2700-2800 K Lamp finish: Clear Light output: Minimum 16,000 lumens Luminous efficacy: Minimum 110 lm/W Colour rendering: Minimum CRI 60 Operating position: Universal Control gear: Suitable for operation with compatible electronic CPO-TW control gear Application: Public lighting and exterior lighting installations Serviceability: Suitable for direct replacement in existing Philips MASTER CosmoWhite / CPO-TW installations, or fully equivalent system compatibility	I.S. EN 61167 I.S. EN 62035		70	Each		€ -	**No Response**

108	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SON	50 W SON-T Lamp	Lamp type: High-pressure sodium tubular lamp Rated power: 50 W Cap/base: E27 Lamp shape: Tubular clear outer envelope Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 50 W SON control gear and ignitor Operating position: Suitable for universal burning position unless otherwise stated by manufacturer Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 50 W SON-T lamps	I.S. EN 62035 I.S. EN 60662		50	Each		€ -	**No Response**
109	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SON	70 W SON-T Lamp	Lamp type: High-pressure sodium tubular lamp Rated power: 70 W Cap/base: E27 Lamp shape: Tubular clear outer envelope Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 50 W SON control gear and ignitor Operating position: Suitable for universal burning position unless otherwise stated by manufacturer Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 70 W SON-T lamps	I.S. EN 62035 I.S. EN 60662		750	Each		€ -	**No Response**
110	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SON	100 W SON-T Lamp	Lamp type: High-pressure sodium tubular lamp Rated power: 100 W Cap/base: E40 Colour code: 220 Colour appearance: Warm white / golden sodium light Lamp shape: Tubular clear outer envelope Operating position: Suitable for universal burning position unless otherwise stated by manufacturer Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 100 W SON control gear and ignitor Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 100 W SON-T lamps	I.S. EN 62035 I.S. EN 60662		865	Each		€ -	**No Response**
111	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SON	150 W SON-T Lamp	Lamp type: High-pressure sodium tubular lamp Rated power: 150 W Cap/base: E40 Colour code: 220 Colour appearance: Warm white / golden sodium light Lamp shape: Tubular clear outer envelope Operating position: Suitable for universal burning position unless otherwise stated by manufacturer Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 150 W SON control gear and ignitor Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 150 W SON-T lamps	I.S. EN 62035 I.S. EN 60662		610	Each		€ -	**No Response**
112	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SON	250 W SON-T Lamp	Lamp type: High-pressure sodium tubular lamp Rated power: 250 W Cap/base: E40 Colour code: 220 Colour appearance: Warm white / golden sodium light Lamp shape: Tubular clear outer envelope Operating position: Suitable for universal burning position unless otherwise stated by manufacturer Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 250 W SON control gear and ignitor Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 250 W SON-T lamps	I.S. EN 62035 I.S. EN 60662		310	Each		€ -	**No Response**
113	Other	Lighting & Lamps	Lamp (Street Lighting)	SON	400 W SON-T Lamp	Lamp type: High-pressure sodium tubular lamp Rated power: 400 W Cap/base: E40 Colour code: 220 Colour appearance: Warm white / golden sodium light Lamp shape: Tubular clear outer envelope Operating position: Suitable for universal burning position unless otherwise stated by manufacturer Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 400 W SON control gear and ignitor Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 400 W SON-T lamps	I.S. EN 62035 I.S. EN 60662		50	Each		€ -	**No Response**
114	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SOX	55 W SOX Low-Pressure Sodium Lamp	Lamp type: Low-pressure sodium discharge lamp Rated power: 55 W Cap/base: BY22d bayonet cap Lamp shape: Tubular Light colour: Monochromatic yellow sodium light Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 55 W SOX ballast/control gear Operating position: Suitable for the manufacturer's declared burning position Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 55 W SOX lamps	I.S. EN 62035 I.S. EN 60192		2240	Each		€ -	**No Response**
115	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SOX	90 W SOX Low-Pressure Sodium Lamp	Lamp type: Low-pressure sodium discharge lamp Rated power: 90 W Cap/base: BY22d bayonet cap Lamp shape: Tubular Light colour: Monochromatic yellow sodium light Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 90 W SOX ballast/control gear Operating position: Suitable for the manufacturer's declared burning position Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 90 W SOX lamps	I.S. EN 62035 I.S. EN 60192		450	Each		€ -	**No Response**

116	Public Lighting	Lighting & Lamps	Lamp (Street Lighting)	SOX	135 W SOX Low-Pressure Sodium Lamp	Lamp type: Low-pressure sodium discharge lamp Rated power: 135 W Cap/base: BY22d bayonet cap Lamp shape: Tubular Light colour: Monochromatic yellow sodium light Application: Public lighting luminaires Compatibility: Suitable for operation with compatible 135 W SOX ballast/control gear Operating position: Suitable for the manufacturer's declared burning position Construction: Robust discharge lamp suitable for exterior lighting service Serviceability: Suitable for replacement in existing public lighting installations using 135 W SOX lamps	I.S. EN 62035 I.S. EN 60192		315	Each		€ -	**No Response**
117	Installations / Housing	Lighting & Lamps	Luminaire / Fitting	Downlight	Small CCT-Selectable LED Downlight (Approx. 6W)	Fitting type: Recessed circular LED downlight Nominal size: Approximately 3.5" class Light output: Minimum 600 lumens Colour temperature: CCT selectable, minimum 3000 K / 4000 K / 6000 K or equivalent Colour rendering: Minimum CRI 80 Beam angle: Wide beam suitable for general residential/commercial lighting Construction: Robust low-glare recessed downlight construction Driver: LED driver included Mounting: Suitable for recessed ceiling installation Finish: White Application: General internal lighting	I.S. EN 60598-1 I.S. EN 60598-2-2 I.S. EN 61347-2-13		45	Each		€ -	**No Response**
118	Installations / Housing	Lighting & Lamps	Luminaire / Fitting	Downlight	Medium CCT-Selectable LED Downlight (Approx. 12W)	Fitting type: Recessed circular LED downlight Nominal size: Approximately 6" class Light output: Minimum 1,100 lumens Colour temperature: CCT selectable, minimum 3000 K / 4000 K / 6000 K or equivalent Colour rendering: Minimum CRI 80 Beam angle: Wide beam suitable for general residential/commercial lighting Construction: Robust low-glare recessed downlight construction Driver: LED driver included Mounting: Suitable for recessed ceiling installation Finish: White Application: General internal lighting	I.S. EN 60598-1 I.S. EN 60598-2-2 I.S. EN 61347-2-13		65	Each		€ -	**No Response**
119	Installations / Housing	Lighting & Lamps	Luminaire / Fitting	Downlight	Large CCT-Selectable LED Downlight (Approx. 18W)	Fitting type: Recessed circular LED downlight Nominal size: Approximately 8" class Light output: Minimum 1,600 lumens Colour temperature: CCT selectable, minimum 3000 K / 4000 K / 6000 K or equivalent Colour rendering: Minimum CRI 80 Beam angle: Wide beam suitable for general residential/commercial lighting Construction: Robust low-glare recessed downlight construction Driver: LED driver included Mounting: Suitable for recessed ceiling installation Finish: White Application: General internal lighting	I.S. EN 60598-1 I.S. EN 60598-2-2 I.S. EN 61347-2-13		115	Each		€ -	**No Response**
120	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Downlight Emergency	Recessed LED Emergency Downlight – White	Fitting type: Recessed LED emergency downlight Mode of operation: Non-maintained Emergency duration: Minimum 3 hours Lamp type: Integral LED Emergency output: Minimum 110 lumens LED power: Manufacturer-selected high-efficiency LED source suitable to achieve the required emergency output Colour temperature: Approximately 4000-6500 K Supply voltage: 230 V AC, 50/60 Hz Battery: Rechargeable battery pack suitable for minimum 3-hour emergency operation Ingress protection: Minimum IP20 Luminaire class: Class I Cut-out: Approximately 35 mm diameter Ceiling void: Suitable for recessed installation with remote emergency pack Finish: White, approximately RAL 9016 Operating temperature: Suitable for 0°C to +45°C minimum Mounting: Recessed ceiling mounting Application: Emergency escape-route and open-area lighting in residential communal areas and similar buildings Warranty: Minimum 3 years	I.S. EN 60598-1 I.S. EN 60598-2-22 I.S. EN 61347-2-7 I.S. EN 61347-2-13		195	Each		€ -	**No Response**
121	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Emergency Conversion	LED Panel Emergency Pack – 3-Hour	Type: Emergency conversion pack suitable for compatible LED panel luminaires Emergency duration: Minimum 3 hours Emergency output: Suitable for approximately 3 W emergency LED operation or equivalent performance Mode of operation: Non-maintained emergency operation unless otherwise configured by associated luminaire Battery: Rechargeable long-life battery suitable for emergency-lighting service Charging: Automatic recharge from mains supply Indicators: Visual charge/status indication Connection: Plug-in or quick-connect arrangement suitable for compatible LED panel/driver systems Compatibility: Suitable for use with compatible LED panels and control gear without modification to the luminaire wiring arrangement Construction: Compact enclosed emergency control gear suitable for installation within or adjacent to the luminaire Application: Emergency conversion of LED panel luminaires in offices, corridors, communal areas and similar installations	I.S. EN 61347-1 I.S. EN 61347-2-7 I.S. EN 60598-2-22 I.S. EN 62034, where self-test functionality is provided		170	Each		€ -	**No Response**

122	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Emergency Escape	3-in-1 LED Emergency Exit Sign	Fitting type: LED emergency exit sign suitable for multiple mounting arrangements Mounting options: Suitable for suspended, recessed and side-arm wall mounting from the same fitting or accessory system Mode of operation: Maintained emergency operation Emergency duration: Minimum 3 hours Viewing distance: Minimum 25 m LED source: Integral high-efficiency LED Supply voltage: 220–240 V AC, 50/60 Hz Battery: Rechargeable long-life battery suitable for minimum 3-hour emergency operation Legend: Supplied with interchangeable directional exit legends or compatible legend options Self-test: Self-test version available or equivalent automatic test functionality Construction: Slim-profile robust enclosure suitable for commercial and communal-area installation Finish: White or silver Application: Emergency exit identification in corridors, stairwells, communal areas and escape routes Warranty: Minimum 3 years	I.S. EN 60598-1 I.S. EN 60598-2-22 I.S. EN 1838 I.S. EN ISO 7010		150	Each		€ -	**No Response**
123	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Emergency Escape	LED Emergency Twin Spot Fitting, IP65 – Non-Maintained	Fitting type: Wall-mounted twin-head LED emergency luminaire Mode of operation: Non-maintained Emergency duration: Minimum 3 hours Emergency light output: Minimum 2 × 180 lumens Lamp heads: Two independently adjustable LED heads Light distribution: Directional emergency lighting suitable for large open areas, plant rooms, stores and similar locations Supply voltage: 230/240 V AC, 50/60 Hz Ingress protection: Minimum IP65 Luminaire class: Class II or equivalent insulated construction Battery: Rechargeable battery suitable for minimum 3-hour emergency operation Housing: Robust polycarbonate enclosure Finish: White Cable entry: Suitable for 20 mm cable entry from side/top/rear as appropriate Mounting: High-level wall mounting Operating temperature: Minimum 0°C to +45°C Application: Suitable for indoor and outdoor emergency-lighting installations requiring directional twin-head coverage Warranty: Minimum 3 years	I.S. EN 60598-1 I.S. EN 60598-2-22 I.S. EN 61347-2-7 I.S. EN 61347-2-13 I.S. EN 55015		60	Each		€ -	**No Response**
124	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Emergency Escape	Maintained LED Exit Sign Fitting	Fitting type: LED emergency exit sign luminaire Mode of operation: Maintained Emergency duration: Minimum 3 hours Light source: Integral high-efficiency LED Viewing distance: Minimum 24 m Legend: Green running-man exit legend complying with current emergency signage requirements Directional options: Supplied with interchangeable or replaceable arrow legends as required Supply voltage: 220–240 V AC, 50/60 Hz Battery: Rechargeable battery suitable for minimum 3-hour emergency operation Indicators: Visual charge/status indicator Mounting: Suitable for wall or ceiling mounting Construction: Robust low-profile enclosure suitable for communal and commercial areas Finish: White or neutral finish Application: Suitable for escape routes, corridors, stairwells, communal areas and final exits Operating temperature: Suitable for normal indoor building conditions	I.S. EN 60598-1 I.S. EN 60598-2-22 I.S. EN 1838 I.S. EN ISO 7010		315	Each		€ -	**No Response**
125	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Emergency Escape	Plug-In Emergency Pack, 2 W–3.5 W, Standard / Self-Test / Dual-Test	Type: Plug-in emergency conversion pack for compatible LED luminaires Emergency output: Suitable for emergency LED loads in the approximate range 2 W to 3.5 W Operation: Maintained or non-maintained operation as determined by the associated luminaire Emergency duration: Minimum 3 hours Battery: High-quality rechargeable $LiFePO_4$ battery Charging: Automatic recharge from mains supply Test options: Available in standard manual-test, automatic self-test, or selectable dual-test versions as required Self-test function: Automatic periodic functional and duration testing where self-test version is specified Dual-test function: Selectable manual-test and automatic self-test operation where dual-test version is specified Connection: Plug-and-play connection to compatible luminaire/control gear without specialist wiring or modification Indicators: Visual charge/status/fault indication as applicable to the version supplied Operating temperature: Minimum 0°C to +40°C Construction: Compact enclosed emergency control gear suitable for installation within or adjacent to compatible luminaires Application: Suitable for conversion of compatible general-lighting luminaires to emergency operation Compatibility: Pack shall be specifically approved by the manufacturer for use with the associated luminaire or LED driver system	I.S. EN 61347-1 I.S. EN 61347-2-7 I.S. EN 60598-2-22 I.S. EN 62034, where automatic self-test functionality is provided		230	Each		€ -	**No Response**
126	Installations Housing	Lighting & Lamps	Luminaire / Fitting	Emergency Escape	Maintained LED Emergency Bulkhead, IP65 – White	Fitting type: Surface-mounted rectangular LED emergency bulkhead Mode of operation: Maintained Emergency duration: Minimum 3 hours Emergency light output: Minimum 130 lumens LED source: Integral high-efficiency LED Supply voltage: 230/240 V AC, 50/60 Hz Ingress protection: Minimum IP65 Luminaire class: Class I Construction: Robust impact-resistant polycarbonate housing and diffuser Shape: Rectangular low-profile emergency bulkhead style Dimensions: Approximately 350 mm long × 120 mm wide × 80 mm deep, or equivalent compact format Mounting: Suitable for wall or ceiling surface mounting Battery: Rechargeable high-temperature battery suitable for minimum 3-hour emergency operation Indicators: Visual charge/status indicator Operating temperature: Minimum 0°C to +45°C Finish: White Application: Suitable for communal areas, corridors, stairwells, escape routes and external/sheltered emergency-lighting locations Service life: Minimum 50,000 hours nominal LED life Warranty: Minimum 3 years	I.S. EN 60598-1 I.S. EN 60598-2-22 I.S. EN 61347-2-7 I.S. EN 61347-2-13		175	Each		€ -	**No Response**

127	Public Lighting	Lighting & Lamps	Luminaire / Fitting	LED Lantern	Standard Functional LED Public Lighting Lantern – P1/P2/M3 Range – Narrow / Longitudinal Optic	Luminaire type: Purpose-built LED functional road/street lighting luminaire Approximate luminaire output range: 8,000–20,000 lm Output capability: Luminaire shall provide sufficient programmable output for P1/P2 and M3 applications and shall retain additional available output above the normal commissioned design level to permit temporary increase in lighting level through the DCC CMS where operationally required Optic: Narrow / longitudinal road-lighting distribution, providing controlled light distribution predominantly along the longitudinal axis of the carriageway Colour temperature: 3000 K nominal, Colour rendering: Minimum CRI 70, Supply voltage: 230 V AC ±10%, 50 Hz, Power factor: Minimum 0.95 Construction: Die-cast aluminium body with durable corrosion-resistant painted or powder-coated finish. Ingress protection: Minimum IP65 for complete fitting including cell/node where applicable, Impact resistance: Minimum IK08 LED source: Integral high-efficiency LED mod, Driver: Integral programmable DALI dimmable LED driver. CMS compatibility: Fully compatible with Dublin City Council Telensa CMS Control interface: Seven-prong twist-lock NEMA socket suitable for DCC Telensa Telecell Operating philosophy: Luminaire shall normally be commissioned below its maximum available output where permitted by the lighting design and shall retain sufficient output headroom for temporary CMS-controlled increase in light level Constant light output: CLO-capable, Surge protection: Minimum 10 kV / 10 kA Thermal management: Passive cooling only; fan-assisted cooling not permitted Luminaire loom: Factory-fitted flexible 5 × 1.5 mm² 12m loom Mounting: Suitable for post-top 60-72mm dia and/or side-entry 42-60 mm dia mounting arrangements, with appropriate adaptors/reducers where required Design life: Minimum 20 years, Driver life: Minimum 10 years Photometric data: Manufacturer photometric file shall be available for the exact luminaire, optic and driver/output combination supplied Warranty- 8 years for whole fitting.	I.S. EN 60598-1 I.S. EN 60598-2-3 I.S. EN 13201 series BS 5489-1 or equivalent I.S. EN/EN standard I.S. EN 61347-2-13 I.S. EN 62384 I.S. EN 62717 I.S. EN 62722-2-1 I.S. EN 62471 I.S. EN 61547 I.S. EN 55015 I.S. EN 61643-11 IEC 62262 I.S. EN 62386 series		145	Each		€ -	**No Response**
128	Public Lighting	Lighting & Lamps	Luminaire / Fitting	LED Lantern	Standard Functional LED Public Lighting Lantern – P1/P2/M3 Range – Wide / General Road Optic	Luminaire type: Purpose-built LED functional road/street lighting luminaire Approximate luminaire output range: 8,000–20,000 lm Output capability: Luminaire shall provide sufficient programmable output for P1/P2 and M3 applications and shall retain additional available output above the normal commissioned design level to permit temporary increase in lighting level through the DCC CMS where operationally required Optic: Wide / General road-lighting distribution, providing controlled light distribution predominantly along the longitudinal axis of the carriageway Colour temperature: 3000 K nominal, Colour rendering: Minimum CRI 70, Supply voltage: 230 V AC ±10%, 50 Hz, Power factor: Minimum 0.95 Construction: Die-cast aluminium body with durable corrosion-resistant painted or powder-coated finish Ingress protection: Minimum IP65 for complete fitting including cell/node where applicable, Impact resistance: Minimum IK08 LED source: Integral high-efficiency LED mod, Driver: Integral programmable DALI dimmable LED driver. CMS compatibility: Fully compatible with Dublin City Council Telensa CMS Control interface: Seven-prong twist-lock NEMA socket suitable for DCC Telensa Telecell Operating philosophy: Luminaire shall normally be commissioned below its maximum available output where permitted by the lighting design and shall retain sufficient output headroom for temporary CMS-controlled increase in light level Constant light output: CLO-capable, Surge protection: Minimum 10 kV / 10 kA Thermal management: Passive cooling only; fan-assisted cooling not permitted Luminaire loom: Factory-fitted flexible 5 × 1.5 mm² 12m loom Mounting: Suitable for post-top 60-72mm dia and/or side-entry 42-60 mm dia mounting arrangements, with appropriate adaptors/reducers where required Design life: Minimum 20 years, Driver life: Minimum 10 years Photometric data: Manufacturer photometric file shall be available for the exact luminaire, optic and driver/output combination supplied Warranty- 8 years for whole fitting.	I.S. EN 60598-1 I.S. EN 60598-2-3 I.S. EN 13201 series BS 5489-1 or equivalent I.S. EN/EN standard I.S. EN 61347-2-13 I.S. EN 62384 I.S. EN 62717 I.S. EN 62722-2-1 I.S. EN 62471 I.S. EN 61547 I.S. EN 55015 I.S. EN 61643-11 IEC 62262 I.S. EN 62386 series		200	Each		€ -	**No Response**
129	Public Lighting	Lighting & Lamps	Luminaire / Fitting	LED Lantern	Standard Functional LED Public Lighting Lantern – P3/P4 Range – Back-Light Controlled / Forward-Throw Optic	Luminaire type: Purpose-built LED functional road/street lighting luminaire Approximate luminaire output range: 2,500–7,500 lm Output capability: Luminaire shall have sufficient programmable output range to permit normal operation at the level required by the lighting design and higher output where required, including P2 applications where demonstrated by lighting design Optic: Back-Light Controlled / Forward-Throw road/footpath-lighting distribution, providing controlled light distribution predominantly along the longitudinal axis of the road/path Colour temperature: 3000 K nominal, Colour rendering: Minimum CRI 70 Supply voltage: 230 V AC ±10%, 50 Hz, Power factor: Minimum 0.95 Construction: Die-cast aluminium body with durable corrosion-resistant painted or powder-coated finish Ingress protection: Minimum IP65 for complete fitting including cell/node where applicable, Impact resistance: Minimum IK08 LED source: Integral high-efficiency LED modules Driver: Integral programmable DALI dimmable LED driver CMS compatibility: Fully compatible with Telensa CMS Control interface: Seven-prong twist-lock NEMA socket suitable for Telensa Telecell Operating philosophy: Luminaire shall be capable of being commissioned below its maximum available output, while retaining sufficient output headroom to permit temporary increase in light level through the CMS where operationally required Constant light output: CLO-capable, Surge protection: Minimum 10 kV / 10 kA Thermal management: Passive cooling only; fan-assisted cooling not permitted Luminaire loom: Factory-fitted flexible 5 × 1.5 mm² 7m loom Mounting: Suitable for post-top 60-72mm dia and/or side-entry 32-42 mm dia mounting arrangements, with appropriate adaptors/reducers where required Design life: Minimum 20 years, Driver life: Minimum 10 years Photometric data: Manufacturer photometric file shall be available for the exact luminaire, optic and driver/output combination supplied Warranty- 8 years for whole fitting.	I.S. EN 60598-1 I.S. EN 60598-2-3 I.S. EN 13201 series BS 5489-1 or equivalent I.S. EN/EN standard I.S. EN 61347-2-13 I.S. EN 62384 I.S. EN 62717 I.S. EN 62722-2-1 I.S. EN 62471 I.S. EN 61547 I.S. EN 55015 I.S. EN 61643-11 IEC 62262 I.S. EN 62386 series		100	Each		€ -	**No Response**

130	Public Lighting	Lighting & Lamps	Luminaire / Fitting	LED Lantern	Standard Functional LED Public Lighting Lantern – P3/P4 Range – Narrow / Longitudinal Optic	Luminaire type: Purpose-built LED functional road/street lighting luminaire Approximate luminaire output range: 2,500–7,500 lm Output capability: Luminaire shall have sufficient programmable output range to permit normal operation at the level required by the lighting design and higher output where required, including P2 applications where demonstrated by lighting design Optic: Narrow / longitudinal road-lighting distribution, providing controlled light distribution predominantly along the longitudinal axis of the road/path Colour temperature: 3000 K nominal, Colour rendering: Minimum CRI 70 Supply voltage: 230 V AC ±10%, 50 Hz, Power factor: Minimum 0.95 Construction: Die-cast aluminium body with durable corrosion-resistant painted or powder-coated finish Ingress protection: Minimum IP65 for complete fitting including cell/node where applicable, Impact resistance: Minimum IK08 LED source: Integral high-efficiency LED modules Driver: Integral programmable DALI dimmable LED driver CMS compatibility: Fully compatible with Telensa CMS Control interface: Seven-prong twist-lock NEMA socket suitable for Telensa Telecell Operating philosophy: Luminaire shall be capable of being commissioned below its maximum available output, while retaining sufficient output headroom to permit temporary increase in light level through the CMS where operationally required Constant light output: CLO-capable, Surge protection: Minimum 10 kV / 10 kA Thermal management: Passive cooling only; fan-assisted cooling not permitted Luminaire loom: Factory-fitted flexible 5 × 1.5 mm² 7m loom Mounting: Suitable for post-top 60-72mm dia and/or side-entry 32-42 mm dia mounting arrangements, with appropriate adaptors/reducers where required Design life: Minimum 20 years, Driver life: Minimum 10 years Photometric data: Manufacturer photometric file shall be available for the exact luminaire, optic and driver/output combination supplied Warranty- 8 years for whole fitting.	I.S. EN 60598-1 I.S. EN 60598-2-3 I.S. EN 13201 series BS 5489-1 or equivalent I.S. EN/EN standard I.S. EN 61347-2-13 I.S. EN 62384 I.S. EN 62717 I.S. EN 62722-2-1 I.S. EN 62471 I.S. EN 61547 I.S. EN 55015 I.S. EN 61643-11 IEC 62262 I.S. EN 62386 series		280	Each		€ -	**No Response**
131	Public Lighting	Lighting & Lamps	Luminaire / Fitting	LED Lantern	Standard Functional LED Public Lighting Lantern – P3/P4 Range – Wide / General Road Optic	Luminaire type: Purpose-built LED functional road/street lighting luminaire Approximate luminaire output range: 2,500–7,500 lm Output capability: Luminaire shall have sufficient programmable output range to permit normal operation at the level required by the lighting design and higher output where required, including P2 applications where demonstrated by lighting design Optic: Wide / General road-lighting distribution, providing controlled light distribution predominantly along the longitudinal axis of the road/path Colour temperature: 3000 K nominal, Colour rendering: Minimum CRI 70 Supply voltage: 230 V AC ±10%, 50 Hz, Power factor: Minimum 0.95 Construction: Die-cast aluminium body with durable corrosion-resistant painted or powder-coated finish Ingress protection: Minimum IP65 for complete fitting including cell/node where applicable, Impact resistance: Minimum IK08 LED source: Integral high-efficiency LED modules Driver: Integral programmable DALI dimmable LED driver. CMS compatibility: Fully compatible with Telensa CMS Control interface: Seven-prong twist-lock NEMA socket suitable for Telensa Telecell Operating philosophy: Luminaire shall be capable of being commissioned below its maximum available output, while retaining sufficient output headroom to permit temporary increase in light level through the CMS where operationally required Constant light output: CLO-capable, Surge protection: Minimum 10 kV / 10 kA Thermal management: Passive cooling only; fan-assisted cooling not permitted Luminaire loom: Factory-fitted flexible 5 × 1.5 mm² 7m loom Mounting: Suitable for post-top 60-72mm dia and/or side-entry 32-42 mm dia mounting arrangements, with appropriate adaptors/reducers where required Design life: Minimum 20 years, Driver life: Minimum 10 years Photometric data: Manufacturer photometric file shall be available for the exact luminaire, optic and driver/output combination supplied Warranty- 8 years for whole fitting.	I.S. EN 60598-1 I.S. EN 60598-2-3 I.S. EN 13201 series BS 5489-1 or equivalent I.S. EN/EN standard I.S. EN 61347-2-13 I.S. EN 62384 I.S. EN 62717 I.S. EN 62722-2-1 I.S. EN 62471 I.S. EN 61547 I.S. EN 55015 I.S. EN 61643-11 IEC 62262 I.S. EN 62386 series		300	Each		€ -	**No Response**
132	Public Lighting	Lighting & Lamps	Luminaire / Fitting	LED Lantern	Standard Functional LED Public Lighting Lantern – P1/P2/M3 Range – Back-Light Controlled / Forward-Throw Optic	Luminaire type: Purpose-built LED functional road/street lighting luminaire Approximate luminaire output range: 8,000–20,000 lm Output capability: Luminaire shall provide sufficient programmable output for P1/P2 and M3 applications and shall retain additional available output above the normal commissioned design level to permit temporary increase in lighting level through the DCC CMS where operationally required Optic: Back-Light Controlled / Forward-Throw road/footpath-lighting distribution, providing controlled light distribution predominantly along the longitudinal axis of the carriageway Colour temperature: 3000 K nominal, Colour rendering: Minimum CRI 70, Supply voltage: 230 V AC ±10%, 50 Hz, Power factor: Minimum 0.95 Construction: Die-cast aluminium body with durable corrosion-resistant painted or powder-coated finish Ingress protection: Minimum IP65 for complete fitting including cell/node where applicable, Impact resistance: Minimum IK08LED source: Integral high-efficiency LED mod, Driver: Integral programmable DALI dimmable LED driver. CMS compatibility: Fully compatible with Dublin City Council Telensa CMS Control interface: Seven-prong twist-lock NEMA socket suitable for DCC Telensa Telecell Operating philosophy: Luminaire shall normally be commissioned below its maximum available output where permitted by the lighting design and shall retain sufficient output headroom for temporary CMS-controlled increase in light level Constant light output: CLO-capable, Surge protection: Minimum 10 kV / 10 kA Thermal management: Passive cooling only; fan-assisted cooling not permitted Luminaire loom: Factory-fitted flexible 5 × 1.5 mm² 12m loom Mounting: Suitable for post-top 60-72mm dia and/or side-entry 42-60 mm dia mounting arrangements, with appropriate adaptors/reducers where required Design life: Minimum 20 years, Driver life: Minimum 10 years Photometric data: Manufacturer photometric file shall be available for the exact luminaire, optic and driver/output combination supplied Warranty- 8 years for whole fitting.	I.S. EN 60598-1 I.S. EN 60598-2-3 I.S. EN 13201 series BS 5489-1 or equivalent I.S. EN/EN standard I.S. EN 61347-2-13 I.S. EN 62384 I.S. EN 62717 I.S. EN 62722-2-1 I.S. EN 62471 I.S. EN 61547 I.S. EN 55015 I.S. EN 61643-11 IEC 62262 I.S. EN 62386 series		50			€ -	**No Response**

133	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Linear	5 ft LED Vapour-Proof Fitting, Selectable Wattage, Selectable CCT	Fitting type: 5 ft linear LED vapour-proof / corrosion-resistant luminaire Length: Approximately 1500 mm Wattage: Multi-wattage selectable with multiple output settings Colour temperature: CCT selectable, minimum 3000 K / 4000 K / 6500 K or equivalent Light output: Suitable to replace traditional single and twin 58 W T8 5ft fluorescent/vapour-proof fittings Supply voltage: 220–240 V AC, 50/60 Hz Ingress protection: Minimum IP65 Impact resistance: Minimum IK08 Construction: Robust polycarbonate body with high-impact diffuser Diffuser: Opal or prismatic diffuser providing even light distribution LED source: Integral high-efficiency LED Colour rendering: Minimum CRI 80 Power factor: Minimum 0.9 LED life: Minimum 50,000 hours IK Rating: 10 Mounting: Suitable for surface or suspended mounting Cable entry: Suitable for through-wiring and end entry while maintaining IP rating Application: Suitable for plant rooms, stores, communal areas, garages, workshops and similar indoor/outdoor locations Finish: Grey or white body with diffuser	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60529		590	Each		€ -	**No Response**
134	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Linear Emergency	5 ft LED Vapour-Proof Fitting, Selectable Wattage, Selectable CCT with Emergency and Microwave Sensor	Fitting type: 5 ft linear LED vapour-proof / corrosion-resistant luminaire Product family: Same product family as the standard 5 ft selectable-wattage/CCT fitting, or fully equivalent compatible family Length: Approximately 1500 mm Wattage: Multi-wattage selectable Colour temperature: CCT selectable, minimum 3000 K / 4000 K / 6500 K or similar Light output: Suitable to replace traditional single and twin 58 W T8 5ft fluorescent/vapour-proof fittings Emergency operation: Integral emergency function with minimum 3-hour duration Microwave sensor: Integral or manufacturer-compatible plug-in microwave occupancy sensor Sensor functions: Adjustable detection range, hold time and lux threshold Supply voltage: 220–240 V AC, 50/60 Hz Ingress protection: Minimum IP65 Impact resistance: Minimum IK08 Construction: Robust polycarbonate body and diffuser Mounting: Suitable for surface or suspended mounting Cable entry: Suitable for through-wiring and end/rear entry while maintaining IP rating LED life: Minimum 50,000 hours Colour rendering: Minimum CRI 80 Power factor: Minimum 0.9 Application: Garages, plant rooms, stores, communal areas, car parks and similar locations	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60598-2-22 I.S. EN 60529 I.S. EN 61347-2-7		20	Each		€ -	**No Response**
135	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Office	600 × 600 mm LED Panel, Selectable Wattage, Selectable CCT	Fitting type: Recessed LED panel luminaire for modular ceiling systems Dimensions: Approximately 600 mm × 600 mm Wattage: Multi-wattage selectable with minimum three output settings Colour temperature: Selectable CCT, minimum 3000 K / 4000 K / 6000 K or similar Light output: Minimum 4,000 lumens at highest setting Luminous efficacy: Minimum 120 lm/W Colour rendering: Minimum CRI 80 Supply voltage: 220–240 V AC, 50/60 Hz Driver: High-quality flicker-reduced LED driver Power factor: Minimum 0.9 Diffuser: Backlit or equivalent construction providing uniform light distribution Mounting: Suitable for recessed installation in standard 600 × 600 mm suspended ceiling grid Emergency compatibility: Suitable for use with compatible emergency conversion pack where required Service life: Minimum 50,000 hours Finish: White	I.S. EN 60598-1 I.S. EN 60598-2-2 I.S. EN 61347-2-13		260	Each		€ -	**No Response**
136	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling	Social Housing Round LED 2D Style Fitting, Selectable Wattage, Selectable CCT, IP65	Fitting type: Surface-mounted circular LED bulkhead suitable for indoor and outdoor use Shape: Circular low-profile bulkhead style Selectable output: Multi-wattage selectable operation with minimum three selectable output levels Light output: Minimum 1,200 lumens at lowest setting and minimum 1,800 lumens at highest setting Colour temperature: Multi-CCT selectable, minimum 3000 K / 4000 K / 6500 K or equivalent Supply voltage: 220–240 V AC, 50/60 Hz Ingress protection: Minimum IP65 Impact resistance: Minimum IK09 Diameter: Approximately 300–350 mm Depth: Low-profile construction, approximately 70–120 mm Construction: Robust impact-resistant thermoplastic/polycarbonate body and diffuser Diffuser: Opal diffuser providing even light distribution LED source: Integral high-efficiency LED Luminous efficacy: Minimum 100 lm/W Colour rendering: Minimum CRI 80 Power factor: Minimum 0.9 Mounting: Suitable for wall or ceiling surface mounting Cable entry: Rear and/or side cable entry while maintaining IP rating Service life: Minimum 50,000 hours nominal LED life Finish: White	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60529		420	Each		€ -	**No Response**
137	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling	Coughtrie CX.270/15B LED Luminaire	Manufacturer / model: J.G. Coughtrie CX.270/15B Luminaire type: Heavy-duty, vandal-resistant LED bulkhead luminaire Mounting: Suitable for wall or ceiling mounting Construction: Robust die-cast aluminium base with high-impact resistant diffuser/cover Ingress protection: Minimum IP65 \nImpact resistance: Minimum IK10 Supply: 220–240 V AC, 50 Hz Light source: Integral LED	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60529		420	Each		€ -	**No Response**

138	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling	Coughtrie CX.270/15B/M3 Emergency LED Luminaire	Manufacturer / model: J.G. Coughtrie CX.270/15B/M3 Luminaire type: Heavy-duty, vandal-resistant LED bulkhead luminaire incorporating emergency lighting facility Mounting: Suitable for wall or ceiling mounting Construction: Robust die-cast aluminium base with high-impact resistant diffuser/cover Ingress protection: Minimum IP65 Impact resistance: Minimum IK10 Supply: 220–240 V AC, 50 Hz Light source: Integral LED Emergency operation: Maintained, minimum 3-hour emergency duration Battery: Integral rechargeable emergency battery and charging equipment	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60529		420	Each		€ -	**No Response**
139	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling	Round Polycarbonate Bulkhead Fitting, BC, IP44 – White or Black	Fitting type: Surface-mounted round bulkhead luminaire Lampholder: B22/BC porcelain lampholder Supply voltage: 230/240 V AC, 50 Hz Ingress protection: Minimum IP44 Construction: Robust polycarbonate body and diffuser Shape: Circular bulkhead style Diameter: Approximately 160 mm Depth: Approximately 110 mm Finish: White Lamp: Lamp not included Mounting: Suitable for wall or ceiling surface mounting Application: Suitable for indoor and sheltered outdoor residential/common-area lighting Guarantee: Minimum 3 years	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60529		85	Each		€ -	**No Response**
140	Installations Housing	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling Emergency	Slim Round LED Emergency Fitting, CCT Selectable, IP54 (30W Approx. LED Curved Bulkhead)	Fitting type: Slim-profile circular surface-mounted LED ceiling/wall fitting with integral emergency function Shape: Circular low-profile design Normal light output: Minimum 1,900 lumens Colour temperature: Selectable 3000 K / 4000 K / 5700 K or equivalent Colour rendering: Minimum CRI 80 Supply voltage: 220–240 V AC, 50 Hz Emergency function: Integral automatic emergency operation on mains failure Emergency duration: Minimum 3 hours Ingress protection: Minimum IP54 Dimensions: Approximately 300 mm diameter × 40–50 mm depth Construction: Slim-profile robust thermoplastic/polycarbonate housing and diffuser Diffuser: Opal diffuser providing even light distribution Mounting: Suitable for ceiling or wall surface mounting Application: Corridors, stairwells, communal areas and similar residential/public-building locations Finish: White	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60598-2-22 I.S. EN 60529		25	Each		€ -	**No Response**
141	Installations Housing	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling Emergency	Social Round LED 2D Style Emergency Fitting, Selectable Wattage, Selectable CCT, IP65	Fitting type: Surface-mounted circular LED bulkhead with integral emergency function, suitable for indoor and outdoor use Shape: Circular low-profile bulkhead style Selectable output: Multi-wattage selectable operation with minimum three selectable output levels Normal light output: Minimum 1,200 lumens at lowest setting and minimum 1,800 lumens at highest setting Colour temperature: Multi-CCT selectable, minimum 3000 K / 4000 K / 6500 K or equivalent Emergency operation: Integral emergency lighting function Mode of operation: Maintained or non-maintained as configured/manufacturer supplied Emergency duration: Minimum 3 hours Emergency light output: Minimum 150 lumens Battery: Rechargeable long-life battery suitable for minimum 3-hour emergency operation Charging: Automatic recharge from mains supply Indicators: Visual charge/status indicator Supply voltage: 220–240 V AC, 50/60 Hz Ingress protection: Minimum IP65, Impact resistance: Minimum IK09 Diameter: Approximately 300–350 mm Depth: Low-profile construction, approximately 70–120 mm Construction: Robust impact-resistant thermoplastic/polycarbonate body and diffuser Diffuser: Opal diffuser providing even light distribution LED source: Integral high-efficiency LED Luminous efficacy: Minimum 100 lm/W in normal operation Colour rendering: Minimum CRI 80, Power factor: Minimum 0.9 Mounting: Suitable for wall or ceiling surface mounting Cable entry: Rear and/or side cable entry while maintaining IP rating Service life: Minimum 50,000 hours nominal LED life, Finish: White	I.S. EN 60598-1 I.S. EN 60598-2-1 I.S. EN 60598-2-22 I.S. EN 60529 I.S. EN 61347-2-7		130	Each		€ -	**No Response**
142	Installations Electrical	Lighting & Lamps	Luminaire / Fitting	Round Wall/Ceiling Emergency	Round Surface-Mounted LED Emergency Downlight, IP65 – Non-Maintained	Fitting type: Compact surface-mounted LED emergency luminaire Mode of operation: Non-maintained Emergency duration: Minimum 3 hours Emergency light output: Minimum 170 lumens Light distribution: Suitable for escape-route and/or open-area emergency lighting Supply voltage: 230/240 V AC, 50/60 Hz Battery: Rechargeable long-life battery technology suitable for emergency lighting service Mounting: Surface ceiling mounting Construction: Compact low-profile enclosure Finish: White Application: Emergency lighting in corridors, stairwells, communal areas and escape routes	I.S. EN 60598-1 I.S. EN 60598-2-22 I.S. EN 61347-2-7 I.S. EN 61347-2-13		25	Each		€ -	**No Response**
143	Installations Electrical	Wiring Accessories	Luminaire / Fitting	Kilk	3-Pin Plug-In Ceiling Rose complete with 2 m Flex, Compatible with Kilk (Existing Lighting Connection System)	Type: 3-pin plug-in ceiling rose assembly for luminaire connection Rated operational voltage: 230 V AC Rated current: 6 A minimum Connection: 3-pin plug-in connection for line, neutral and CPC Cable: Factory pre-wired with 2 m flexible cable Cable material: PVC insulated and sheathed flexible cable Cable size: Minimum 3-core 0.75 mm² Colour: White Construction: Robust moulded insulating ceiling rose complete with plug, socket, cover and pre-wired flexible lead Compatibility: Fully mechanically and electrically compatible with the existing installed 3-pin plug-in lighting connection system (Kilk). Alternative manufacturers shall provide written confirmation of interchangeability	BS 6972 or equivalent I.S. EN/EN standard BS 5733 or equivalent I.S. EN/EN standard I.S. EN 50525 series, as applicable to the flexible cable supplied		190	Each		€ -	**No Response**

144	Installations Electrical	Wiring Accessories	Luminaire / Fitting	Kilk	4-Pin Plug-In Ceiling Rose complete with 2 m Flex, Compatible with Kilk (Existing Lighting Connection System)	Type: 4-pin plug-in ceiling rose assembly for luminaire connection Rated operational voltage: 230 V AC Rated current: 6 A minimum Connection: 4-pin plug-in connection for line, neutral and CPC Cable: Factory pre-wired with 2 m flexible cable Cable material: PVC insulated and sheathed flexible cable Cable size: Minimum 4-core 0.75 mm² Colour: White Construction: Robust moulded insulating ceiling rose complete with plug, socket, cover and pre-wired flexible lead Compatibility: Fully mechanically and electrically compatible with the existing installed 4-pin plug-in lighting connection system (Kilk). Alternative manufacturers shall provide written confirmation of interchangeability	BS 6972 or equivalent I.S. EN/EN standard BS 5733 or equivalent I.S. EN/EN standard I.S. EN 50525 series, as applicable to the flexible cable supplied		100	Each		€ -	**No Response**
145	Housing	Wiring Accessories	Luminaire / Fitting	Pendant	6" Pendant Ceiling Rose	Type: Pre-wired ceiling pendant set complete with ceiling rose, flexible cord and lampholder Pendant length: 6 inch / approximately 150 mm Lampholder: Bayonet cap BC/B22 Lampholder rating: T2 rated Maximum lamp rating: 100 W incandescent or manufacturer-declared equivalent LED load Ceiling rose: 3-plate terminal arrangement suitable for loop-in wiring Colour: White Material: Robust thermoset/thermoplastic moulded construction Ingress protection: Minimum IP20 Mounting: Suitable for standard ceiling mounting in residential installations Application: Suitable for general domestic and residential lighting installations Construction: Pre-wired assembly suitable for straightforward replacement and maintenance	I.S. EN 60598-1 I.S. EN 61184		800	Each		€ -	**No Response**
146	Housing	Wiring Accessories	White	Cooker Control	45 A 2-Gang Cooker Control Switch with Neon Indicator – White	Switch type: 2-gang cooker control switch with integral neon indicator Rated current: 45 A Rated operational voltage: 230/250 V AC Number of gangs: 2 gang Switching: Double-pole switching of the cooker circuit Indicator: Integral neon indicator Material: Robust white moulded insulating material Mounting: Suitable for standard flush mounting box, minimum 35 mm depth Terminals: Secure screw terminals suitable for conductors within the manufacturer's stated range Operation: Positive mechanical switching action Application: Suitable for local isolation/control of electric cooker circuits in residential installations Construction: Robust professional-grade wiring accessory suitable for repeated use	I.S. EN 60669-1		270	Each		€ -	**No Response**
147	Installations Electrical	Wiring Accessories	White	Data	Single Cat5e RJ45 Data Outlet Complete with Faceplate	Outlet type: Single RJ45 data outlet complete with data module and single-gang faceplate Category: Cat 5e Connector type: 1 × RJ45 8P8C Screening: U/UTP unscreened Termination: LSA/Krone-style IDC termination Wiring: T568A and T568B compatible Faceplate: White single-gang bevelled faceplate Identification: Integral label space / slide-label facility for outlet numbering Mounting: Suitable for flush or surface mounting Back box: Suitable for use with minimum 27 mm deep back box Colour: White Application: Suitable for Cat5e structured cabling installations	I.S. EN 50173-1 ISO/IEC 11801-1 IEC 60603-7-3		110	Each		€ -	**No Response**
148	Installations Electrical	Wiring Accessories	White	Data	Dual Cat5e RJ45 Data Outlet Complete with Faceplate	Outlet type: Dual RJ45 data outlet complete with two data modules and single-gang faceplate Category: Cat 5e Connector type: 2 × RJ45 8P8C Screening: U/UTP unscreened Termination: LSA/Krone-style IDC termination Wiring: T568A and T568B compatible Faceplate: White single-gang bevelled faceplate Identification: Integral label space / slide-label facility for outlet numbering Mounting: Suitable for flush or surface mounting Back box: Suitable for use with minimum 27 mm deep back box Colour: White Application: Suitable for Cat5e structured cabling installations	I.S. EN 50173-1 ISO/IEC 11801-1 IEC 60603-7-3		120	Each		€ -	**No Response**
149	Installations Electrical	Wiring Accessories	White	Isolating Switch	20 A Double-Pole Switch with Neon and Flex Outlet – White	Type: 1-gang double-pole control switch with integral neon indicator and flex outlet Rated current: 20 A Rated voltage: 250 V AC Switching: Double-pole switching Indicator: Integral neon indicator Flex outlet: Integral base flex outlet Cord restraint: Integral flex/cable restraint Terminals: Secure screw terminals suitable for conductors within the manufacturer's declared range Earth terminals: Minimum 2 earth terminals Faceplate: White moulded insulating material Mounting: Suitable for standard single-gang flush or surface mounting box Construction: Robust professional-grade wiring accessory equivalent in quality and performance to MK Logic Plus or equivalent. Application: Suitable for local control and connection of fixed appliances where overcurrent protection is provided elsewhere	I.S. EN 60669-1		325	Each		€ -	**No Response**
150	Installations Housing	Wiring Accessories	White	Isolating Switch	13 A Switched Fused Connection Unit with Neon and Flex Outlet – White	Type: 1-gang switched fused connection unit with integral neon indicator and flex outlet Rated current: 13 A Rated voltage: 250 V AC Switching: Double-pole switching Indicator: Integral neon indicator Fuse: Supplied complete with 13 A fuse-link Fuse type: BS 1362 cartridge fuse Flex outlet: Integral flex outlet suitable for fixed appliance connection Cord restraint: Integral flex/cable restraint Terminals: Secure screw terminals suitable for conductors within the manufacturer's declared range Earth terminals: Minimum 2 earth terminals Faceplate: White moulded insulating material Mounting: Suitable for standard single-gang flush or surface mounting box Construction: Robust professional-grade wiring accessory equivalent in quality and performance to MK Logic Plus or equivalent. Application: Suitable for local control, isolation and fused connection of fixed appliances	BS 1363-4 or equivalent I.S. EN/EN standard BS 1362 or equivalent I.S. EN/EN standard		110	Each		€ -	**No Response**

151	Housing	Wiring Accessories	White	Isolating Switch	20 A Double-Pole Switch with Neon – White	Type: 1-gang double-pole control switch with integral neon indicator Rated current: 20 A Rated voltage: 250 V AC Switching: Double-pole switching Indicator: Integral neon indicator Flex outlet: Not required Terminals: Secure screw terminals suitable for conductors within the manufacturer's declared range Earth terminals: Minimum 2 earth terminals Faceplate: White moulded insulating material Mounting: Suitable for standard single-gang flush or surface mounting box Construction: Robust professional-grade wiring accessory equivalent in quality and performance to MK Logic Plus or equivalent. Application: Suitable for local control and isolation of fixed appliances	I.S. EN 60669-1		165	Each		€ -	**No Response**
152	Housing	Wiring Accessories	White	Isolating Switch	20 A Double-Pole Switch with Neon Indicator – White	Switch type: Double-pole isolating switch with integral neon indicator Rated current: 20 A Rated operational voltage: 250 V AC Poles: Double pole, switching line and neutral Earth terminals: Minimum 2 Indicator: Integral neon indicator to provide clear visual indication of switch status Material: White moulded insulating material Mounting: Suitable for standard flush or surface mounting box Application: Suitable for local isolation of immersion heaters, fixed appliances and similar final circuits Compatibility: Shall form part of a complete manufacturer's wiring accessory range with matching plates and accessories	I.S. EN 60669-1		235	Each		€ -	**No Response**
153	Housing	Wiring Accessories	White	Pull-Cord Switch	45 A Double-Pole Pull-Cord Switch with Neon Indicator	Switch type: Ceiling-mounted double-pole pull-cord isolating switch with neon indicator Current rating: 45 A minimum Voltage rating: 230 V AC Poles: Double pole, switching live and neutral conductors Operation: Pull-cord operated with positive mechanical switching action Indicator: Integral neon indicator to provide clear visual indication of switch status Housing: Robust moulded thermoplastic enclosure suitable for domestic and commercial electrical installations Colour: White Terminals: Secure screw terminals suitable for the intended conductor sizes Cable capacity: Suitable for conductors normally associated with 45 A shower or high-load circuits Quality requirement: Product shall be of robust construction with durable switching mechanism, secure terminals and heat-resistant enclosure suitable for repeated professional use	I.S. EN 60669-1 I.S. EN 60669-2-4, where applicable to isolating switches		175	Each		€ -	**No Response**
154	Housing	Wiring Accessories	White	Immersion Switch	Dual Immersion Heater Switch with Neon Indicator – White	Type: 2-gang immersion heater control switch Rated current: Minimum 20 A per switch Rated voltage: 250 V AC Switching: Double-pole switching to each immersion heater circuit Indicator: Integral neon indicator for each switched circuit Function: Suitable for independent control of dual immersion heater elements, typically sink/boost and bath/off-peak Faceplate: White moulded insulating material Terminals: Secure screw terminals suitable for conductors within the manufacturer's declared range Earth terminals: Minimum 2 earth terminals Mounting: Suitable for standard flush or surface mounting box Construction: Robust professional-grade wiring accessory; MK Logic Plus or equivalent quality and performance Application: Suitable for domestic dual-element immersion heater installations	I.S. EN 60669-1		180	Each		€ -	**No Response**
155	Installations Housing	Wiring Accessories	White	Socket Outlet	13 A 2-Gang Switched Socket Outlet – White	Socket type: Twin switched socket outlet Rated current: 13 A per outlet Rated voltage: 230/250 V AC Number of gangs: 2 gang Switching: Each socket individually switched Configuration: BS 1363, 3-pin shuttered socket outlets Earth terminals: Minimum 2 Material: White moulded insulating material Mounting: Suitable for standard flush or surface mounting box Terminals: Secure screw terminals suitable for copper conductors within the manufacturer's stated range Safety shutters: Integral shutters to line and neutral apertures Application: Suitable for domestic, commercial and similar fixed electrical installations	BS 1363-2:2016+A1:2018 or equivalent I.S. EN/EN standard		1785	Each		€ -	**No Response**
156	Installations Electrical	Wiring Accessories	Brushed Chrome	Socket Outlet	13 A 2-Gang Switched Socket Outlet – Brushed Chrome	Socket type: Twin switched socket outlet Rated current: 13 A per outlet Rated voltage: 230/250 V AC Number of gangs: 2 gang Switching: Double-pole switching as standard Configuration: BS 1363, 3-pin shuttered socket outlets Faceplate material: High-quality metallic faceplate with brushed chrome finish Insert colour: White Safety shutters: 3-pin child-resistant shutter system requiring insertion of all three BS plug pins before access to live contacts Switch contact gap: Minimum 3 mm Terminal arrangement: Backed-out, in-line terminals with clear terminal identification Terminal capacity: Minimum 3 × 2.5 mm², 3 × 4 mm² or 2 × 6 mm² stranded conductors Earth terminals: Dual earth capability Operation: Double-pole switching with neutral contact arranged to make first and break last Mounting: Suitable for standard flush mounting box Construction: Robust professional-grade wiring accessory suitable for repeated residential and commercial use Warranty: Minimum 10-year manufacturer's guarantee	BS 1363-2:2016 or equivalent I.S. EN/EN standard		90	Each		€ -	**No Response**
157	Housing	Wiring Accessories	White	Switch	10 A 1-Gang 2-Way Light Switch – White	witch type: 1-gang, 2-way wall-mounted light switch Rated current: 10 A Rated operational voltage: 230/250 V AC Number of gangs: 1 gang Switching: 2-way Material: Robust white moulded insulating material Mounting: Suitable for standard flush or surface mounting box Construction: Robust professional-grade wiring accessory suitable for repeated residential and commercial use	I.S. EN 60669-1		670	Each		€ -	**No Response**

158	Housing	Wiring Accessories	White	Switch	10 A 2-Gang 2-Way White Moulded Light Switch	Switch type: 2-gang, 2-way wall-mounted light switch Current rating: 10 A minimum Voltage rating: 230 V AC Material: High-quality moulded thermoplastic, white finish Construction: Rigid square-edged faceplate with robust switch mechanisms suitable for frequent domestic and commercial use Finish: Smooth, durable, scratch-resistant white moulded finish Dimensions: Approximately 85 mm × 85 mm overall Compatibility: Shall form part of a complete manufacturer's wiring accessory range with matching switches, sockets and associated accessories Quality requirement: Product shall be of robust construction with secure terminals, positive switch action and durable faceplate suitable for repeated professional use; lightweight or visibly flexible low-grade accessories shall not be accepted	I.S. EN 60669-1		410	Each		€ -	**No Response**
159	All Sections	Wiring Accessories	White	Extension Lead	4-Gang 5 m Surge-Protected Extension Lead	Type: 4-gang portable extension lead with integral surge protection Number of outlets: 4 Socket type: 13 A switched or unswitched shuttered socket outlets to BS 1363 Plug: 13 A fused plug to BS 1363 Cable length: 5 m minimum Cable type: 3-core flexible cable suitable for 13 A portable extension lead use Rated voltage: 230/250 V AC Maximum load: 13 A / approximately 3 kW minimum Surge protection: Integral transient overvoltage protection for connected equipment	BS 1363-2 or equivalent I.S. EN/EN standard BS 1363-1 or equivalent I.S. EN/EN standard		175	Each		€ -	**No Response**
160	All Sections	Wiring Accessories	White	Extension Lead	4-Gang 2 m Surge-Protected Extension Lead	Type: 4-gang portable extension lead with integral surge protection Number of outlets: 4 Socket type: 13 A switched or unswitched shuttered socket outlets to BS 1363 Plug: 13 A fused plug to BS 1363 Cable length: 2 m minimum Cable type: 3-core flexible cable suitable for 13 A portable extension lead use Rated voltage: 230/250 V AC Maximum load: 13 A / approximately 3 kW minimum Surge protection: Integral transient overvoltage protection for connected equipment	BS 1363-2 or equivalent I.S. EN/EN standard BS 1363-1 or equivalent I.S. EN/EN standard		145	Each		€ -	**No Response**
161	Public Lighting	Overhead Line	General Electrical Item		4 mm Galvanised Steel Wire Rope – 200 m Reel	Rope diameter: 4 mm Rope construction: 6 × 7 stranded steel wire rope Material: Galvanised steel Core: Steel core Lay: Ordinary right-hand lay Finish: Galvanised for corrosion resistance Rope length: 200 m	EN 12385-4		60	Each		€ -	**No Response**
162	Public Lighting	Overhead Line	General Electrical Item		4 mm Wire Rope Gripple 	Suitable for 4 mm wire rope Material: A4 grade stainless steel Finish: Polished Type: Two-way push-fit wire rope grip/joiner Operation: Wire rope inserted from opposing sides and securely retained by an integral gripping mechanism Application: Suitable for joining and tensioning 4 mm galvanised steel wire rope used for overhead public-lighting cable support Installation: Suitable for permanent external installation Corrosion resistance: Suitable for outdoor and exposed environments Performance: Grip shall securely retain the wire rope under the manufacturer's declared working load without slippage	Manufacturer's declared performance and certified working load for the intended 4 mm overhead catenary application		480	Each		€ -	**No Response**
163	Public Lighting	Overhead Line	Clamp		Aerial Cable Tension Clamp Suitable for 8.5-13.5mm Diameter SAMI Cable Rutenbeck AKL 802 or approved equivalent. 	Application: Anchoring / dead-end tension clamp for self-supporting aerial public lighting cable Cable diameter range: 8.5–13.5 mm Maximum tensile load: Minimum 3.5 kN Hook connection: Suitable for approximately 26 mm diameter hook Body: Hot-dip galvanised steel construction Clamping components: Glass-fibre-reinforced polyamide or equivalent non-damaging cable gripping material Operation: Shall securely grip the cable without damage to the cable sheath under normal installation and service loading Environment: Suitable for permanent outdoor public lighting use and exposure to Irish weather conditions Corrosion resistance: All metallic components suitably protected against corrosion Installation: Tool-free or simple mechanical installation without stripping or penetrating the cable sheath Compatibility: Suitable for DCC self-supporting aerial lighting cable within the stated diameter range	EN 50483-3 or EN 50483-4, as applicable to the cable/support arrangement		215	Each		€ -	**No Response**
164	Public Lighting	Overhead Line	Clamp		Aerial Cable Tension Clamp Suitable for 12.5-17.5mm Diameter SAMI Cable Rutenbeck AKL 803 M or approved equivalent 	Application: Anchoring / dead-end tension clamp for self-supporting aerial public lighting cable Cable diameter range: 12.5-17.5 mm Compatible cable: 3 × 6 mm² YTBKW-J self-supporting aerial cable (nominal diameter approximately 15.2 mm). Maximum tensile load: Suitable for the mechanical loading requirements of 3 × 6 mm² YTBKW-J self-supporting aerial cable spans up to 50 m. Hook connection: Suitable for standard aerial cable bracket and hook installations. Body: Hot-dip galvanised steel construction Clamping components: Glass-fibre-reinforced polyamide or equivalent non-damaging cable gripping material Operation: Shall securely grip the cable without damage to the cable sheath under normal installation and service loading Environment: Suitable for permanent outdoor public lighting use and exposure to Irish weather conditions Corrosion resistance: All metallic components suitably protected against corrosion Installation: Tool-free or simple mechanical installation without stripping or penetrating the cable sheath Compatibility: Suitable for DCC self-supporting aerial lighting cable within the stated diameter range	EN 50483-3 or EN 50483-4, as applicable to the cable/support arrangement		215	Each		€ -	**No Response**

165	Public Lighting	Overhead Line	Clamp		Aerial Cable Tension Clamp Suitable for 16.5-24.0mm Diameter SAMI Cable Rutenbeck AKL 804 L or approved equivalent 	Application: Anchoring / dead-end tension clamp for self-supporting aerial public lighting cable Cable diameter range: 16.5-24.0mm Compatible cable: 3 × 10 mm² YTBKW-J self-supporting aerial cable (nominal diameter approximately 18.6 mm). Maximum tensile load: 3 × 10 mm² YTBKW-J self-supporting aerial cable (nominal diameter approximately 18.6 mm). Hook connection: Suitable for standard aerial cable bracket and hook installations. Body: Hot-dip galvanised steel construction Clamping components: Glass-fibre-reinforced polyamide or equivalent non-damaging cable gripping material Operation: Shall securely grip the cable without damage to the cable sheath under normal installation and service loading Environment: Suitable for permanent outdoor public lighting use and exposure to Irish weather conditions Corrosion resistance: All metallic components suitably protected against corrosion Installation: Tool-free or simple mechanical installation without stripping or penetrating the cable sheath Compatibility: Suitable for DCC self-supporting aerial lighting cable within the stated diameter range	EN 50483-3 or EN 50483-4, as applicable to the cable/support arrangement		215	Each		€ -	**No Response**
166	Housing	White Goods	Domestic Appliance		4-Slice Toaster – Black/White	Type: 4-slice electric toaster Colour: Black/White Slots: 4 slots suitable for standard and thicker bread products Operation: Independent 2-slice operation for each side Browning control: Variable browning control, independently adjustable for each pair of slots Functions: Reheat, frozen bread and cancel functions Crumb trays: Removable crumb trays for cleaning Construction: Robust thermoplastic housing with heat-resistant controls and trim Power supply: 230 V AC, 50 Hz Plug: 13 A fused plug suitable for Irish/UK socket outlets Guarantee: Minimum 2 years	I.S. EN 60335-1 I.S. EN 60335-2-9		25	Each		€ -	**No Response**
167	All Sections	Tools	Tester		Professional True-RMS Digital Multimeter	Tester type: Professional handheld digital multimeter for electrical installation and maintenance use Display: Backlit digital LCD display, minimum 4,000 count AC/DC voltage range: Up to 1000 V minimum AC/DC current range: Up to 10 A minimum Resistance range: Up to 40 MΩ minimum Continuity: Audible continuity indication Capacitance measurement: Included Frequency measurement: Included Diode test: Included Data hold: Included Safety category: Minimum CAT III 600 V Test leads: Detachable insulated test leads supplied with the instrument Construction: Robust handheld design suitable for daily professional electrical maintenance and site use Battery life: Minimum 400 hours	I.S. EN IEC 61010-1 I.S. EN IEC 61010-2-030 I.S. EN IEC 61326-1		25	Each		€ -	**No Response**
168	All Sections	Tools	Tester		Professional Open-Jaw Voltage, Continuity & Current Tester	Tester type: Professional open-jaw electrical tester for voltage, continuity, resistance and AC current measurement Current measurement: Integral open-jaw current sensor allowing current measurement without disconnecting the conductor Jaw opening: Minimum 12 mm AC current range: 0 to 100 A minimum AC/DC voltage range: 0 to 1000 V minimum Resistance range: 0 to 1000 Ω minimum Continuity: Audible continuity indication Display: Digital LCD display Safety category: Minimum CAT III 1000 V / CAT IV 600 V Operating temperature: Minimum −10°C to +50°C Test leads: Integral insulated test leads with replaceable probe tips Construction: Robust professional handheld tester suitable for daily electrical installation and maintenance use	I.S. EN IEC 61010-1 I.S. EN IEC 61010-2-032 I.S. EN IEC 61010-2-033		35	Each		€ -	**No Response**

Tendered Core Basket Total:

Note: The Tendered Core Basket Total shown may change for evaluation purposes where unpriced or non-compliant items are identified, following application of the relevant evaluation rules set out in the RFT and the instructions above.

€ -

Compliance Issues Identified	Unpriced Items	Total Items Requiring Review	Overall Submission Status
168	168	168	No Response