



Quantity	Symbol	Type of Lighting Unit
18	⊙	Proposed 6 metre Steel column with Spigot Mounted OrangeTek IGNIS mini 20 MPH 4.0_70_203_2168_2 (13w) 2.17klm lantern- 5 degree tilt
13	⊙	Proposed 6 metre Steel column with Spigot Mounted OrangeTek IGNIS mini 20 MPH 4.0_70_203_2168_2 (13w) 2.17klm lantern- 0 degree tilt
4	⊕	Existing 10 metre Steel column- to remain
2	⊙	Existing 6 metre Steel column with Zebra lantern- To remain
2	●	Existing Belisha Beacon- To remain
2	⊙	Existing 6 metre Steel column- To disconnect and remove

Grid 1
Results - Horizontal Illuminance (lux)
Emin = 0.44
Emin = 0.61
Emin = 0.13
Emin/Emax = 0.07
Emin/Emin = 0.18
Emin/Emin = 2.66

Luminaire Beta
Luminaire A IGNIS mini - 20 LEDs, MPH, 4000K, 8200lm, Dp12 Lamp OSRAM SQUARE CR170 SPRI57 4000K N7 MF 0.76
Luminaire B IGNIS mini Plus - 24 LEDs, MS13, 4000K, 0456mA, Dp12 Lamp OSRAM DURIS 58 CR170 MF 0.76

Key
● Luminaire A Column
● Luminaire B Column
● Beam Aiming Target
□ Photometric Centre

All Dimensions in metres

NOTE
Lighting column erections should only be called off once the adoptable back edge (pin kerb) has been installed on site and there is a line and level to work to.

The footway wearing course should not be laid until the lighting column/s have been erected and serviced.

NORTHERN POWERGRID Ducting Requirements for connections to street lights (before required)
Please refer to the BS4543 12-23 & 34 regulations for specific ducting requirements. Ducting must be installed at correct depths as per NUGS 7 requirements.

Summary of Ducting Requirements
Please note that it is now mandatory for all electrical service ducts & road crossings to have 2mm thick Warriner's Tapes installed above them to offer warning of the presence of the electrical cable below. Marker tape is no longer obsolete.

The tape must be 150mm wide over 30mm duct and 200mm wide over 100mm duct. It should be made of high quality PVC or HDPE, covered with a smooth woven surface. It must be installed in accordance with BS-5344. It should be installed 50mm above main electric duct on top of sand.

The Tape can be purchased from a number of manufacturers & building supply companies including: Warriner's (The Kings Code for this item is 400207740)
The Tape **MUST** be enclosed with the Northern Powergrid logo or it will be unsuitable and the job delayed with costs before we return.

Ducts should be installed as straight as possible, in one continuous run and in one trench. Service and Manhole covers are to be installed at all road crossings. Please ensure that service duct is laid to any road crossings. Please ensure that the duct is installed in the ducts and that the service duct meets the back of the footpath.

Electric service ducts UNDER FOOTPATHS
Must be black 38mm diameter, at a depth of 450mm below the final surface level. Duct must be of rigid type PVC or HDPE, covered with a smooth woven surface. They must be reliably and clearly marked with the legend "ELECTRIC CABLE DUCT".

Electric service ducts UNDER ROADS
Must be black 125mm diameter, at a depth of 600mm below the final surface level. Duct must be of rigid type PVC or HDPE, covered with a smooth woven surface. They must be reliably and clearly marked with the legend "ELECTRIC CABLE DUCT".

UNDER NO CIRCUMSTANCES MUST THE DUCT A TAPES BE ENCASED IN CONCRETE!
Please seal electrical ducts after installation to prevent the ingress of water and dirt. Failure to do so may cause delays and extra costs. If you are in any doubt as to the requirements regarding ducting, please contact your Northern Powergrid Representative.

Message:
You must provide your own electrical service duct, road crossing duct, warning tape and cabinets. The costs of these items have not been included in the price of your quotation. Service and Manhole covers are provided and installed by Northern Powergrid.

- Please note that in the event of a Site Manager changeover, this document **MUST** be passed on to the new Site Manager so that it falls in line with all of the Developer's responsibilities.
- Should the new Site Manager wish to discuss these responsibilities, please contact your Northern Powergrid Representative to arrange a meeting.

Nov 2024	Layout change
Oct 2023	N19 repositioned to allow YW 2023 tanker access
REF. DATE	REVISIONS



Streetscene and Housing Service
Highways and Operation Division
Flint Street, Fartown
Huddersfield HD1 6LG

SECTION Street lighting		
DRAWN JRD	CHECKED JR	
SCALE 1:500@A1	PROJECT NO. S38	DATE Oct 2023
PROJECT Westgate Cleckheaton S38		
TITLE Proposed lighting BS5489-1:2020 Class P5		
DRAWING No. 6783		
CAD No.		