

Street lighting equipment specification
16 LED 700mA post-top mounted lantern and 6m galvanised tubular steel column
(Sep 15)

<u>DATE</u>	15/01/25	<u>LOCATION</u>	Hilltop Farm, Earl Shilton	<u>PLAN NO</u>	<u>LTG</u>	<u>P4026-B</u>
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<u>NB</u>	THIS SPECIFICATION MUST BE SENT TO THE ERECTION CONTRACTOR BY THE DEVELOPER WITH A COPY OF THE DESIGN PLAN. Should the property type and layout be altered after your present proposals, I must be advised in writing with an appropriate plan showing the amendments.	
<u>COLUMN</u>	Design Criteria	Department of Transport Departmental Standards BD26/04 and BS EN 40 and in accordance with Standard Drawing SD/13/3.
	Nominal Height	6 metres
	Shaft Diameter	76.0mm
	Bracket Projection	N/A
	Base Diameter	140mm
	Lantern Uplift	0 ⁰
	Planting depth	1000mm
	Lantern Connection	76mm (Post Top)
	Door opening above ground level	600mm
	Type	One-piece constant diameter tubular steel suitable for Post top lantern.
	Surface Finish	Specification for Highway Works as issued by the Department of Transport (Part 4) 1300 series Clause 1306 (type G1). Galvanised to BS EN ISO 1461:1999.
<u>LAMP</u>	16 LED, colour temperature of 3000k. Fully IES LM79 & LM80 tested. To be driven at 700mA by Philips control gear. Driver to be DALI enabled and must <u>not</u> include CLO (constant light output). Dimming levels to be controlled by Leicestershire County Councils Central Management System.	
<u>LANTERN</u>	As specified on drawing, post top lantern with Philips electronic control gear. The lantern will comply with BS EN 60598 and with IP rating 66. Lantern to be fitted with a 7 pin NEMA receptacle Waterproof Label to be attached on the underside of the outside of the lantern stating number of LEDS used, drive current and lantern setting. If shields are required, they must be purchased from the lantern manufacturer.	
<u>PHOTOCELL</u>	Telensa 5 pin Nema CMS Telecell with GPS for Leicestershire County Council	
<u>NUMBERING</u>	As shown on Standard Drawing SD/12/36.	
<u>EARTHING</u>	Single core 6mm ² (copper) PVC insulated cable to BS 6004. Bond to column door shall be of flexible construction and be of sufficient length to allow placement of door on ground without tension. Earthing requirements shall be as detailed in Standard Drawing SD/14/12.	
<u>WIRING</u>	PVC Insulated & Sheathed Circular Flexible Cable 1.5mm shall be supplied with lantern. A Charles Endirect TYPE T1 double pole isolator (or similar equal approved) with a 6 Amp fuse shall be installed in the column base as per Standard Drawing SD/14/12. A test and completion certificate as detailed in IET Wiring Regulations (BS 7671:2008+A3:2015) to be supplied for each column installed prior to adoption.	
<u>FUSE</u>	An HRC fuse (rating 10 amps) must be taped to the earth lead to indicate to the Distribution Network Operator that the installation is ready for connection to the supply.	
<u>COLUMN POSITIONING</u>	The developer will be responsible for marking out the positions as per plan which must always be within the area to be adopted by the Highway Authority. Foundation details as per Standard Drawing SD/13/1.	
	Installation date of column and lantern to be clearly marked inside base of column.	