



**REF: 'X3' LUMINAIRES**

28W LED LAMPS, IP66, K08, 3000K, DIE CAST ALUMINIUM BODY POWDER COATED, TEMPERED GLASS DIFFUSER, DIMENSIONS: 571mm x 224mm x 114mm

AS PER SPECIFICATION

**REF: 'X4' LUMINAIRES**

15W LED LAMPS, IP66, K08, 3070 Lumens, 3000K, DIE CAST ALUMINIUM BODY POWDER COATED, TEMPERED GLASS DIFFUSER, DIMENSIONS: 571mm x 224mm x 114mm

AS PER SPECIFICATION

**REF: 'X5' LUMINAIRES**

48W LED LAMPS, IP66, K10, 5625 Lumens, 3000K, DIE CAST ALUMINIUM BODY POWDER COATED, TEMPERED GLASS DIFFUSER, MOUNTED ON A 6m COLUMN, DIMENSIONS: 476mm x 233mm x 116mm

AS PER SPECIFICATION

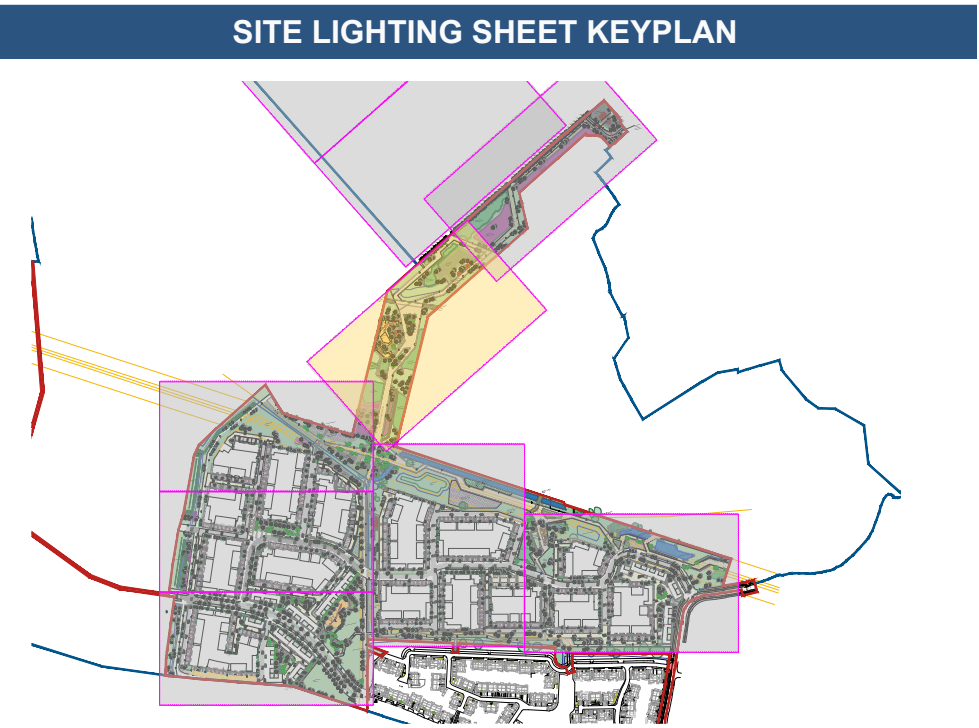
**REF: 'X6' LUMINAIRES**

24W LED LAMPS, IP66, K10, 2409 Lumens, 3000K, DIE CAST ALUMINIUM BODY POWDER COATED, TEMPERED GLASS DIFFUSER, MOUNTED ON A 6m COLUMN, DIMENSIONS: 476mm x 233mm x 116mm

AS PER SPECIFICATION

- SITE LIGHTING INSTALLATION NOTES**
- 7.00 ALL OUTGOING CIRCUITS SHALL BE INDIVIDUALLY FUSED BY MEANS OF A 16A OR 20A HRC CUT-OUT TYPE AND CAPABLE OF ACCOMMODATING CABLE SIZES UP TO 25mm<sup>2</sup>. THESE FUSES SHALL BE RATED ON A MINIMUM RUPRTURING CAPACITY AND SHALL COMPLY WITH BS88.
  - 8.00 ALL COLUMNS ARE SUPPLIED FROM A LIGHTING MINI-SECTION PILLAR, LOCATED ADJACENT TO THE ESB NETWORK MINI-SECTION PILLAR. NOT MORE THAN 6 COLUMNS SHALL BE SUPPLIED FROM ANY ONE CIRCUIT AND NOT MORE THAN 4 CIRCUITS SHALL BE TAKEN FROM ANY ONE AUXILIARY MINI-SECTION PILLAR.
  - 9.00 THE DEVELOPER SHALL NOTE THAT NO EXISTING PUBLIC LIGHTS CAN BE REMOVED WITHOUT THE PERMISSION AND APPROVAL OF PUBLIC LIGHTING SERVICES.
  - 10.00 THE DEVELOPER SHALL CONTACT PUBLIC LIGHTING SERVICES AT LEAST 6 WEEKS IN ADVANCE OF WORKS STARTING ON SITE, TO FIND OUT WHAT IS REQUIRED TO BE DONE TO EXISTING PUBLIC LIGHTING THAT IS WITHIN THE SITE BOUNDARY.
  - 11.00 WHERE PUBLIC ROADS ARE TO REMAIN IN USE, THEN THE PUBLIC LIGHTING MUST BE MAINTAINED BY THE DEVELOPER IN AN OPERATING CONDITION THROUGHOUT THE DEVELOPMENT PERIOD.

- SITE LIGHTING INSTALLATION NOTES**
- 1.00 LIGHTING POLES TO BE ALUMINIUM, ROOT MOUNTED, CONE SHAPED WITH TOP TAIL OF 880mm *clw* CLASS II 4x16mm<sup>2</sup> SHUNT TERMINAL CONNECTION BLOCK.
  - 2.00 ALL CABLEING TO EXTERNAL LIGHTING LOCATIONS TO BE WIRED IN 3 Core 6mm<sup>2</sup> CABLE PER WALKWAY CONTAINED IN HOPE DUCTS.
  - 3.00 ALL IN GROUND HOPE DUCTS TO BE INSTALLED BY THE MAIN CONTRACTOR UNDER THE COORDINATION OF THE ELECTRICAL CONTRACTOR.
  - 4.00 THE ELECTRICAL CONTRACTOR SHALL, PRIOR TO THE INSTALLATION, VERIFY THE CAPACITY OF THE IN-GROUND DUCT NETWORK TO THE MAIN CONTRACTOR.
  - 5.00 EACH EXTERNAL LIGHTING LUMINAIRE SHALL BE SWITCHED BY MINATURE PHOTO-ELECTRONIC SWITCH INTEGRATED INTO THE LED LUMINAIRE SUCH AS THE BELL 840 OR APPROVED EQUAL AND EACH LUMINAIRE SHALL BE INDIVIDUALLY CONTROLLED BY THIS PHOTOCELL.
  - 6.00 THE PHOTOCELL USED SHALL COMPLY WITH THE LATEST VERSION OF BS6972. THE PHOTOCELL CONTROL SHALL SWITCH ON/OFF THE LUMINAIRE AT 35 / 18 LUX RESPECTIVELY.



STATUS	DATE	DESCRIPTION	DRN	ENG	APP

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P01-4	06.12.2021	IN2 COMMENTS	JL	TJ	TJ
P01-3	29.11.2021	IN2 COMMENTS	JL	TJ	TJ
P01-2	11.11.2021	IN2 COMMENTS	JL	TJ	TJ
P01-1	28.02.2020	PRELIMINARY ISSUE	JL	TJ	TJ