



**NOTES:**

- CONTRACTOR TO REFER TO GRK SURVEY AND TO VERIFY THE OWN SURVEY PRIOR TO COMMENCING WORKS
- ALL PUBLIC LIGHTING WORKS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF SOUTH DUBLIN COUNTY COUNCIL EXTERNAL LIGHTING REQUIREMENTS DOCUMENT
- ALL LUMINAIRE TO BE COMPLIANT WITH THE REQUIREMENTS OF EN60598 AND EN 60598-2-3
- ALL LUMINAIRE TO BE FITTED WITH LIGHT PROTECTION AND A FUSED CUT OUT IN EACH COLUMN
- ALL COLUMNS TO BE FITTED WITH AN INDIVIDUAL PHOTOCELL
- THE ACTUAL LED ENGINE AND POWER SUPPLY SHALL BE THE RATED COLUMN SHALL BE 5M HIGH AND TAPERED TO 400MM AT THE TOP
- THE COLUMN SHALL BE GALVANIZED INTERNALLY AND EXTERNALLY TO BS EN ISO 1461:1999
- THE COLUMN SHALL BE COMPLIANT WITH THE REQUIREMENTS OF BS EN ISO 40-1, IS EN ISO 40-2 & IS EN ISO 40-3
- 20% OF THE LIGHTING SCHEME SHALL BE PROVIDED IN THE BASE COMPARTMENT OF EACH LIGHTING COLUMN
- THE COLUMN SHALL BE DESIGNED TO WITHSTAND A RATIONALISED WIND LOADING OF 87N/m<sup>2</sup>
- A MARINE PLY BASEBOARD IS TO BE FITTED IN EACH COLUMN FOR MOUNTING OF THE FUSED CUT OUT.

**XA LUMINAIRE SPECIFICATION**

- LED LUMINAIRE MOUNTED ON 8M COLUMN
- 40W LED LUMINAIRE (3200 LUMENS)
- ADJUSTABLE BEAM ANGLE
- ADJUSTABLE OPTICAL ASSEMBLY WITH DUAL PROSPERUS CHROMIUM PLATING OF THE BASE METAL FOLLOWED BY PASSIVATION HEAT TREATMENT AT 120°C, BLACK PAL 905
- 210-240VAC 50/60HZ SELV ELECTRONIC CONTROL GEAR, REPLACEABLE POWER SUPPLY UNIT, THE OPTICAL ASSEMBLY IS TO BE MOUNTED TO THE COLUMN TOP ATTACHMENT WITH TWO FIXING SCREWS AND TWO SAFETY BOLTS FACILITATE ASSEMBLY, THERE IS NO UPPER LIGHT DISPERSION IN THE HORIZONTAL POSITION (IN COMPLIANCE WITH THE STRICTEST LIGHT POLLUTION STANDARDS)
- ALL EXTERNAL SCREWS TO BE STAINLESS STEEL.
- THE COLUMN SHALL BE MADE OF HOT GALVANIZED STEEL, CENTRIFUGAL POLE FINDER OF HOT GALVANIZED STEEL WITH 70 MEDIUM THICKNESS ACCORDING TO THE UNIT 5744-66 STANDARD, THE POLE TO BE MADE OF ROLLED WELDED STEEL, THE CROSS-SECTION AND THE THICKNESS CONFORM WITH THE HOMOLOGATION SPECIFICATIONS OF THE UNI EN 40 ENCOMPONENTS OF THE LIGHTING COLUMN
- ANTICORROSION COLLAR, 400MM LONG COLUMN IMPACT RESISTANCE 1008

**XB LUMINAIRE SPECIFICATION**

- 120W W HIGH BOLLARD LUMINAIRE, LED SOURCE ASYMMETRICAL LIGHT DISTRIBUTION



PROPOSED LIGHT FIXTURE XA



PROPOSED LIGHT FIXTURE XB

<p><b>PRELIMINARY ISSUE</b></p>	
<p>Client: K2 Data Centre</p>	<p>Project: BIRREACT</p>
<p>Design Title: External Services K2 Data Centre - Site Lighting Layout</p>	
<p>Drawn By: WM</p>	<p>Checked By: PW</p>
<p>Scale: 1:7.5 @A0</p>	<p>Date: XX/XX/XX</p>
<p>Project No: 0186-ETH-XX-XX-DR-000</p>	<p>Rev: 001</p>
<p>22/03/18</p>	<p>ETROS Engineering, Wexford</p>