



## TECHNICAL SPECIFICATION

### 1) DESIGN CONDITIONS :

- 1.1 BASIC WIND SPEED : 29 m/s 10-min MEAN
- 1.2 TERRAIN CATEGORY : 2
- 1.3 BASE ELEVATION : 0m above Ground Level
- 1.4 SAIL AREA : 0.718 m<sup>2</sup> total (Lantern & Headframe)
- 1.5 TOP LOAD : 100 kg total (Lantern & Headframe)
- 1.6 LANTERN DIRECTION : UNI-DIRECTIONAL
- 1.7 DEFLECTION LIMIT : max. 5% of column height

### 2) STANDARDS :

- 2.1 MAST DESIGN : EN 40
- 2.2 STEEL MATERIAL : BS EN 10025 S355JR
- 2.3 WELDING : BS EN 1011-2
- 2.4 GALVANISING : HOT-DIP TO BS EN 1461
- 2.5 QUALITY ASSURANCE : ISO 9001:2015

### FOUNDATION REACTIONS (SERVICE LOADS w/o SAFETY FACTOR)

MOMENT (kN-m)	SHEAR (kN)	TORSION (kN-m)	AXIAL (kN)
42.32	4.93	0.06	4.70

Detail of change:

Detail of change:

Detail of change:

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**Kingfisher  
Lighting**  
 KINGFISHER LIGHTING LTD  
 RATCHER WAY  
 CROWN FARM INDUSTRIAL PARK  
 MANSFIELD  
 NOTTINGHAMSHIRE  
 NG19 0FS

Title: 15BHFPAL

Drawn: AP Drawing No: KL 5372

Date: 12/07/2023 Issue: B

Material: S355JR

All dimensions in mm (unless otherwise stated)