



- Key - General Operation:**
- BS 5489-1:2013 Car Park  
Eav = 5Lux, Uo = 0.25
  - BS 5489-1:2013 S4 Road  
Eav = 5Lux, Emin = 1Lux
  - BS 5489-1:2013 CE4 Area  
Eav = 10Lux, Uo = 0.4
  - BS EN 12464:2:2007 Pick up/ drop off/ turning  
Eav = 10Lux, Uo = 0.4
  - BS EN 12464:2:2007 Walkways  
Eav = 5Lux, Uo = 0.25
  - BS EN 12464 Laydown Area  
Eav = 10Lux, Uo = 0.4
  - BS EN 12464:2:2007 BS 8300: 2009 + A1: 2010  
Entrances to Welfare Center
  - BS EN 1838:2013  
Emergency Lighting to Exits  
1 Lux minimum outside door

**General Operation Notes:**

1. The concept of the external lighting of the site is to keep the lighting to a minimum. The intention is that the levels have been selected on a 3 step basis.
  - Defining if lighting is an absolute requirement (i.e. could other methods be used to limit light and provide a safe working environment).
  - Identification of minimum levels of light required to safely perform anticipated tasks by using British Standard Codes and industry guidance.
  - Effectively deliver light to the surface and prevent unwanted upward light distribution and spill onto the surrounding area.
2. Lighting levels illustrated have been selected following discussions with YPL to understand likely activities above ground during the hours of darkness. Levels have been chosen in accordance with guidance provided within the following documents:
  - BS EN 12464:2 Lighting of work places - Outdoor work places
  - BS EN 5489:1 Lighting of road and public amenity areas.
  - CIBSE Lighting Guide 6 - Lighting of outdoor environment.
  - GN01:2011 Guidance notes from the reduction of obstructive light.
  - BS EN 1838:2013 Lighting Applications Emergency Lighting.
3. To be read in conjunction with the Arup report REP-P2-EL-002 Basis of Design - External Lighting.
4. Emergency exit locations and entry/ exit points are subject to chance following the development of the detailed Minehead buildings and MTS design and requirements. Final locations are to be reviewed.
5. General lighting will be on throughout the hours of darkness.

1	12/07/17	JB	DL	CW
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For Planning

Issue	Date	By	Chkd	Appd

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Client  
**Sirius Minerals Plc**

Job Title  
**Woodsmith Mine Minehead**

**External Lighting Treatment Plan  
 General Operation**

Scale at A1 1:2000

Discipline Lighting

Job No <b>253285</b>	Drawing Status <b>Planning</b>
Drawing No <b>YP-P2-EL-104</b>	Issue <b>1</b>

