1. *What are the recommended applications for CUBEx IS Lights?*

   CUBEx IS Lights can be used in Longwall, Development and RTVs

   Use as a floodlight, spotlight, traffic light, hazard light, or as a soft barrier in No-Go Zones

2. *How often do CUBEx IS Light components need to be overhauled?*

   As the IS Light modules are Ex ia, we recommend inspection and/or overhaul every 6 years. This can result in considerable compliance cost savings compared to the standard 4-year requirement

3. *Can all the IS CUBEx components be overhauled/refurbished?*

   LIM (Light Interface Module) and Lights are returned if they pass our inspection and testing. PSM/PSL (Power Supply Module/Local) may be overhauled if required

4. *What plugs are available for IS Lights?*

   Molex – IP 67 plastic connector (automotive plug) which was part of the first release of IS Lights. We recommend that you upgrade to the Amphenol plug

   Amphenol – IP 67 connector with a "pigtail" cable for easy connect and disconnect. This is available with tethered dust caps, which are especially useful on Longwall applications

5. *How much power does the CUBEx IS Light draw?*

   Generally, 600 mA at 12 VDC but can consume as little as 300mA. It is flexible enough so the brightness can be adjusted from 5% up to 150% of standard output – which can be set by NAUTITECH® during the initial manufacturing process

6. *How many lights can I power using ONE CUBEx Power Supply for Lights (PSL)?*

   Up to 32 lights at 50% brightness. Up to 16 lights at full brightness

7. *What is the maximum cable length we can run from a Nautitech PSM/LIM?*

   Standard length is 30 metres but longer lengths are possible in certain situations

8. *Can the LIM (Light Interface Module) be programmed/adjusted on the machine remotely?*

   Controlling and signalling of individual IS Lights can be done via Bluetooth by programming the LIM from your laptop. Individual banks can be turned ON or OFF to adjust brightness

9. *Can I get a Pigtail longer than 1m?*

   No, but an extension cable up to 30 metres can be plugged into the pigtail