**Electrical Specifications:**
*Supply Voltage.* 10.2 to 40 VDC
*Supply Current.* 3mA (constant current) in all operational states

**Environmental Specifications:**
*Temperature.* -10°C to +55°C
*Humidity.* 10 to 95% RH Non-condensing
*Protection Index.* IP65 when suitably mounted and terminated

**Mechanical Specifications:**
*Beam Head.* 180mmH x 155mmW x137mmD
  Weight 1.1Kg
*Controller.* 185mmH x 120mmW x 62mmD
  Weight 0.55Kg
*40KIT80 Mid-Range Reflector.* 293mmH x293mmW x 5mmD
  Weight 0.8Kg
*80KIT100 Long Range Reflector.* 394mmH x 394mmW x 5mmD
  Weight 1.8Kg
*ADAPTER.* 270mmH x 250mmW x 5mmD
  Weight 0.6Kg
  (mounts the Beam Head onto unistrut)

**Optical Specifications:**
*Optical Wavelength.* 870nm
*Maximum Angular Alignment.* ±15°
*Maximum Angular Misalignment.* (static not auto-aligning)
  Beam Head ±0.75° Reflector ±2°

**Operational Specifications:**
*Protection Range.*
  **FIREBEAM.** Standard Product 5 to 40 metres
  **40KIT80.** Mid-Range Reflector Kit 40 to 80 metres
  **80KIT100.** Long Range Reflector Kit 80 to 100 metres

*Alarm Sensitivity Levels:*
25%(1.25dB) to 50%(3dB) in 1%(0.05dB) increments (default 35% (1.87dB))

*Alarm Condition:*
Obscuration drops to below pre-defined sensitivity level.
Time to Alarm Condition adjustable
  2 to 30 seconds in 1 second increments (default 10 seconds)

*Alarm Indication:*
Controller Status – FIRE
Controller Red Flashing LED 0.5 Second
Head Red Flashing LED 1 Second
Alarm Relay Change Over (CO) Contact
Rating 2A @ 30 VDC

*Test/Reset Features:*
Beam test function by controller
Alarm latching/auto-reset selectable (default auto-reset)
Alarm reset in latching mode by controller reset function, removing power for >5 seconds, apply 12 to 24 VDC to reset connections in Beam Head.

*Fault Sensitivity Level:*
90%

*Fault Condition:*
Obscuration drops to below the fault sensitivity level within 1 second
Power Down or Supply Voltage < 9 VDC
Commissioning modes, Pre-Alignment and Auto Alignment
Beam turned off during Beam Maintenance (auto resets in 8 hours to normal)
Time to Fault Condition adjustable, 2 to 60 seconds in 1 second increments (default 10 seconds)

*Fault Indication:*
Controller Status – FAULT
Controller Yellow Flashing LED 1 Second
Head Yellow Flashing LED 1 Second
Fault Relay Change Over (CO) Contact
Rating 2A @ 30 VDC

*Normal Condition:*
Obscuration level is above the Alarm sensitivity level
Controller Status – NORMAL
Controller Green Flashing LED 1 Second
Programmable on/off
Head Green Flashing LED 1 Second
Programmable on/off

*Auto-align/Beam Contamination Compensation:*
Auto-align during normal operation if obscuration drops below 90% (doesn't effect normal operating mode)
Beam Contamination Compensation 4 hour monitoring. Compensation data available at the controller