

iii) Mechanics

Electronic control Gear - Constant Current Driver IP 66
Materials and finishing - Housing – Aluminium, Protector – High-impact clear glass (IK 07) or polycarbonate
Installation - Bottom-entry mounting stirrup
Fixing - 3 x ø18 Fixing holes

iv) Electrical Characteristics

Line Voltage - 230VAC
Line frequency - 50Hz
Surge protection – Yes - 10kV/10kA
Power Factor - ≥0.95

v) Environment

Storage temperature - -40< T < 60
Enclosure Tightness - IP 66
Enclosure Mechanical Withstand Impact - IK 08

D1 : LUMINAIRE SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL
Type A	Surface mounted fluorescent with 2 x 36W lamps with vapour proof polycarb lens	Actom, Voltex, Unique Lighting	
Type B	Surface mounted LED 10W	Actom, Voltex, Unique Lighting	

These installation will be as follows:

- i i. Light switches will be metal and power coated
- ii ii. Socket outlets will be metal and power coated
- iii. Light fittings will be water proof surface mounted fittings.
- a. Light levels will be designed to SANS regulations of 150lx.
- b. Internal fittings will be 2x36W fluorescent units
- c. External fittings will be 5W units.

E1 : INTRUDER ALARM SCHEDULE

Intruder Alarm (Refer to Drw P68-060 & Pay Item G.04)

The pump station buildings will be equipped with an intruder alarm with the following items:

1. Control Panel with 9V battery Back-up
2. x 8-zone (min) Keypad at entrance door (inside), with Battery Back-up
3. 2x PIR sensors
4. 2x Industrial magnetic door sensor
5. Siren and strobe light mounted outside.