**SPECIFICATION**

- ▼ MSHA Approved
- ▼ Optional LED or Fluorescent Luminaires
- ▼ Utilises Latest LED Technology.
- ▼ Voltage ranges from 110V or 220V

CERTIFICATION & APPROVAL

MSHA Certification
 Intrinsic Safety Evaluation No. 18 – ISA 090007-0
 Converter Box 18 - XPA 080004-0
 Luminaire 18 – XPA 080007-0
 Plug and Receptical XP – 3481-3

Ambient Temperature range:
 -20°C To +45°C

Ingress Protection:
 IP65

FEATURES & BENEFITS

- ▼ Low Power Consumption.
- ▼ 2 Strings of up to 8 LED Luminaire Or
- ▼ 2 Strings of up to 4 Fluorescent Luminaire
- ▼ LED Option Offers
 - Low Maintenance
 - Long Lamp Life
 - High Resistance to Vibration & Shock
- ▼ Plug & Sockets Makes For Simple Installation
- ▼ Voltage input 110V or 220V AC.
- ▼ Lightweight & Low Profile Luminaire



TECHNICAL SPECIFICATION**Lamp Type**

LED – Purpose designed LED strip.
Up to 50,000 hours lamp life. (Temperature and switching dependant)
Fluorescent - 20W T4

Power Supply

Each Lighting Supply Module is capable of operation from 110V to 240V
AC without modifications.

Power Consumption

100W per Module at 120V

Electrical Connection

The main power connection to the Converter Box is via the 35A Plug.
Part No ML002855DKQR is a 5 Pin Plug suitable for # 4GGC Cable
With Quick Release and Location Key Way.
Alternative cable / pin arrangements available on request

Inter-connections between the Converter Box and Luminaire are either
via a purpose designed Victor IS Snap Lock Plug and Socket system or
Woodhead 2 pole water tight plugs. The preferred method of
interconnections between Luminaires / Converter Box must be stated at
time of ordering.

Converter Box

There are 3 options available for the Main Converter Box.
Option 1 utilises a Standard Converter Box containing two control
modules for the lighting circuits.
Option 2 utilises the Standard Converter Box containing one control
modules for lighting and one for shield power supply.
Option 3 utilises a Larger Converter Box containing two control modules
for lighting and one shield power supplies.
Further details available on request.

Temperature

Ambient temperature range: - -20°C to + 45°C

Materials

Main Box	- Aluminium.
Seals	- Silicone or Nitrile Rubber
External Fasteners	- Stainless Steel.
Luminaire	- Aluminium / Polycarbonate

Weight

Standard Converter Box	- 72 lbs
Large Converter Box	- 92 lbs
Fluorescent Luminaire	- 7 lbs
LED Luminaire	- 6 lbs

Installation / Mounting

Each luminaire is supplied with flexible mounting pieces
The luminaire may be mounted in any orientation
Alternative mounting brackets are available on request.

Installation Leaflet

Item number ML193046 is supplied with each luminaire.

**Victor****VICTOR PRODUCTS USA Inc.**

700 Thomson Park Drive, Suite 717, Cranberry Township, PA 16066, United States of America
Tel: +1 724 776 4900 Fax: +1 724 776 3855
e-mail: sales@victorproductsusa.com, web: www.victorproductsusa.com

A Federal  Signal Company

SCHEMATIC & ORDERING REFERENCES.

Luminaire Options

	LED	Fluorescent
IS Socket	ML046004S	ML046002S
Cable Gland	ML046004	ML046002

Converter Box Options.

	Large	Standard
IS Socket	ML046003ASK	ML046003SK
Cable Gland	ML046003AK	ML046003K

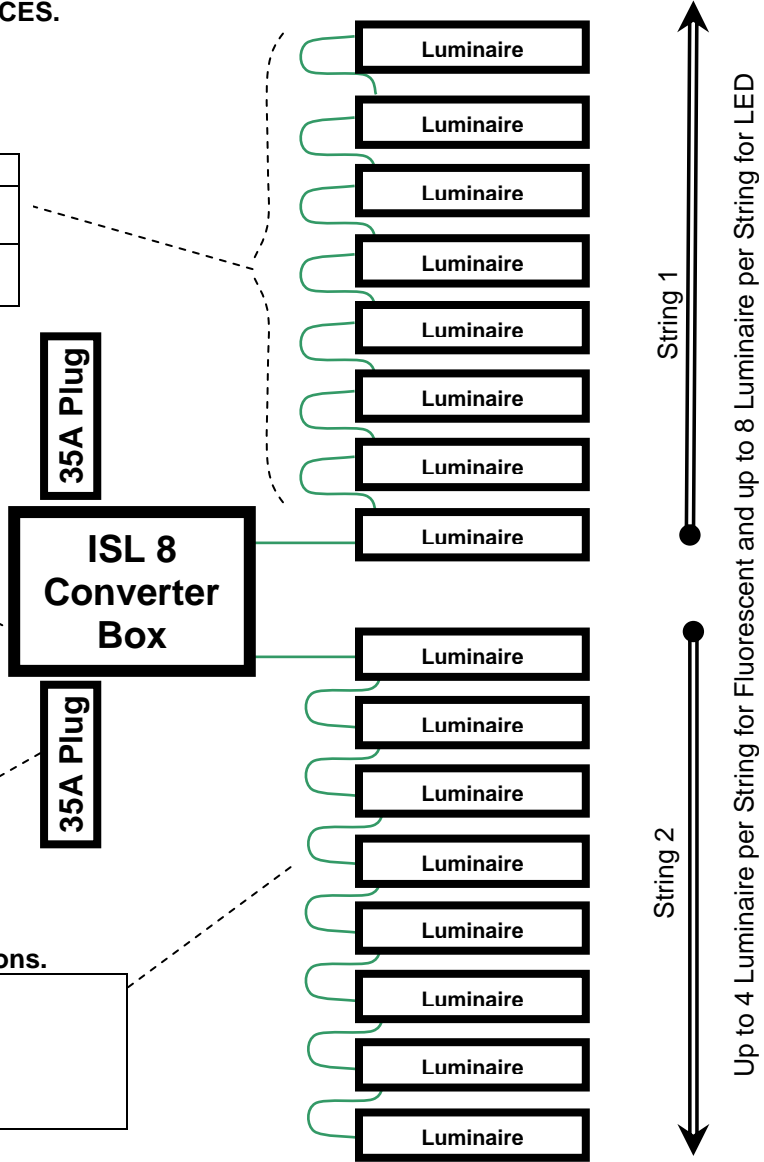
35A, 120V Plug Option.

	Quick Release
5 Pin, Keyway 31.0 / 29.4 O.Dia	ML002855DKQR

Alternative cable / pin arrangements available on request

Interconnecting Cable Options.

Victor IS Snap Locks
OR
SOW Cables & woodhead



Up to 4 Luminaire per String for Fluorescent and up to 8 Luminaire per String for LED

Example: -

For a complete ISL8 system of 2 Strings of 8 LED Luminaire using the IS (Intrinsically Safe) Snap Lock Sockets the following parts need to be ordered.

Part No.	Description	Quantity
ML046003SK	Converter Box – Lighting Only	1
ML046004S	LED Luminaire with IS Sockets	16
ML002855DKQR	35A Mains Input Plug	2
Interconnecting Cables	To be specified at time of ordering	16

