

SIGNAL LIGHT UNITS

The ACTOM Signal light units are manufactured from high impact, rugged plastic which is UV resistant to specification BR820. The design is inherently resistant to vandalism.

Colour light signal lamp unit

- The colour light signal lamp is a low-cost unit suitable for multi-aspect railway signals.
- This durable unit comprises a lamp housing, hinged rear cover, mounting ring and light hood assembly.
- Material is UV resistant, rugged, high impact resistance plastic.
- The top rear cover allows full access for cleaning and lamp replacement. During operation, the lid is tightly closed and may be padlocked. The 465 mm light hood shields 240 degrees of the outer lens perimeter. A variety of lamp types may be fitted which are supplied separately.



Route/shunt signal unit

- The housing is manufactured from rugged, high impact resistance, UV resistant plastic.
- The lamp housing is weatherproof and well ventilated to minimise condensation. The cover is easily removable for inspection and maintenance.
- The lamp unit is equipped to take a lamp rated at 110 V 25W and fitted with a 3-pin cap to BS Specification 469:1960(lamp ref. SL33).

For a route signal, an additional frosted lens with clear inner is fitted, and for shunt signals, a fully frosted lens is fitted.

Lens system

- The lens system has two prismatic lenses that are dust-sealed and factory mounted in the housing.
- For close-up observation they show reflection, which may cause 'phantom' colour aspects.

- The lenses are optical glass. The studs, springs, washers and lock nuts in the mounting ring and alignment adjuster are stainless steel.
- Other fasteners in the assembly are also stainless steel. The lamp holder terminals are nickel-plated brass.

Mechanical mounting

- The mounting plate serves as a frame and is fixed to face down track. The units are then individually aligned and locked.
- Cable entry is via a 20 mm diameter armour grip cable gland and weatherproof neoprene shroud.
- The top hinged cover allows good maintenance access to the unit, facilitating cleaning and lamp replacement.

Focus and alignment

- Focus is factory-set for optimum light output and sealed in this position.

Ventilation

Ventilation is via fine filters situated in the cover and the housing. These inhibit condensation without allowing the passage of light.

Colour	Specification	Beam Divergence
Red	BR 820	4°
Yellow	BR 820	4°
Green	BR 820	4°
Lunar White	BR 820	4°
Blue	Signalling BL 30 (German)	40°

SIGNALLING

A division of ACTOM (Pty) Ltd

ACTOM