



Performance



Performance is a high light output T5 fluorescent fitting offering high performance and versatility. As such, Performance provides the key benefits of T5 fluorescent technology, including energy efficiency, long lamp life and excellent colour rendering and is ideal for projects that need to deliver good lighting performance, fast pay-back, low total life costs, Health & Safety and maintenance benefits.

Performance is available with 4 x 54W and 3 x 80W lamp configurations as standard, with a wide choice of other lamp combinations where required. These open fittings have an IP rating of IP20 and MRO4 high performance aluminium reflectors folded into a parabola for optimum light output to the working plane.

All Performance fittings can be configured for dual-switching, to provide either partial or full lighting as required and minimise energy consumption.

Performance has been designed for ease of installation, using a pre-fitted plug and socket for connection and isolation.

Fittings can also be supplied with a polycarbonate diffuser or wire guard, if required.

Luminaire body specification

Performance is manufactured from 0.8mm, punched and folded zinc plated steel finished in epoxy polyester powder paint in RAL9003.

FEATURES

- High efficiency T5 fluorescent light sources
- High light output for low and high bay applications
- Control gear mounted to rear of chassis for optimum cooling
- Average lamp life of 24,000 hours for reduced maintenance costs*
- 'Ultra' long life lamp option, providing an average lamp life of 48,000 hours*
- Excellent colour rendition
- Low maintenance costs
- Suitable for lighting controls with fast instant strike start and restart capability
- Lamps available to suit specialist applications
- Flicker free lighting with no stroboscopic effect
- Dual switching
- Qualifies for Enhanced Capital Allowances

* Based on BS standard switch cycles of 8 switches a day. Fewer switching's will give longer lamp life



Chalmer

Experts in Energy Saving
Lighting and Heating






SAFETY AND PERFORMANCE

As you would expect from a company with over 25 years experience in the lighting and controls market, Performance offers the following benefits:

- Dedicated ECG types for HO (High Output) lamps
- 50,000 hours lifetime*
- Preheat start within 1 second
- Constant light output for $U_N = 198\text{ V to }264\text{ V}$
- Reliable lamp ignition at $t_a = -20\text{ °C to }+50\text{ °C}$
- Cut-Off technology
- Energy Efficiency Index = A2
- Automatic safety shut down at end of lamp life or in case of failure acc. to EoL T.2
- Automatic ignition after lamp replacement

* for $t = 75\text{ °C}$ at t_c : max. failure rate of 10 %

TECHNICAL SPECIFICATION

Supply voltage.....	220 to 240V
Line frequency.....	50 to 60Hz
Lamp start within 1s with optimum filament preheating	
If there is a temporary interruption in the power supply (<0.5s) the lamp will start within 0.3s	
Energy Efficiency Index.....	EEL = A2
Approval marks:	  
Safety acc.....	to EN 61347-2-3
Lamp operation acc.	to EN60929
RI suppression:	acc. to EN55015
Line harmonics:	acc. to EN 61000-3-2
Immunity acc.....	to EN 61547
Dimensions (LxWxD):	
4 x 54 w version.....	1200x335x100mm
3 x 80 w version.....	1500x335x100mm
Weight 4 x 54w version.....	7.9 kg
Weight 3 x 80w version	9.7 kg
IP Rating:	IP20

Specifications may change without prior notice

CERTIFICATION

March 2010 will see the first stage of new Commission of the European Communities regulations with regards to ecodesign requirements (2005/32/EC) for fluorescent lamps, and for ballasts and luminaires able to operate such lamps, and repealing Directive 2000/55/EC.

By using the latest control gear and lamps, Performance not only complies with future European legislation, but also conforms to EN 60598-1 and relevant Parts 2. Tri-phosphor and amalgam fluorescent lamps comply with EN61195 (safety) and EN60081 (performance) and with nominal initial (100h) lumen values included in this criteria.

ORDER CODES

Performance Fittings

PCE/4/54/OPEN/MS	4x54W Open Performance
PCE/3/80/OPEN/MS*	3x80W Open Performance

* qualify for Enhanced Capital Allowances, see www.eca.gov.uk



Authorised User No. 00046

Performance Accessories

PCE/GUARD/1200	1200mm Wire guard
PCE/GUARD/1500	1500mm Wire guard
PCE/POLY/1200	1200mm Polycarbonate cover
PCE/POLY/1500	1500mm Polycarbonate cover

Example Performance Lamp Options

LAMP/T5/54W/840/4'	T5 lamp, 54watt, 4', box of 40, incl. WEEE levy
LAMP/T5/54W/840/4'/CO	T5 lamp, 54watt, 4' Constant Output, box of 20, incl. WEEE levy
LAMP/T5/54W/840/4'/LL	T5 lamp, 54watt, 4' Long life, box of 25
LAMP/T5/54W/840/4'/SP	T5 lamp, 54watt, 4' Shatterproof, box of 40, incl. WEEE levy
LAMP/T5/80W/840/5'	T5 lamp, 80watt, 5', box of 40, incl. WEEE levy
LAMP/T5/80W/840/5'/CO	T5 lamp, 80watt, 5' Constant Output, box of 20, incl. WEEE levy
LAMP/T5/80W/840/5'/LL	T5 lamp, 80watt, 5' Long life, box of 25
LAMP/T5/80W/840/5'/SP	T5 lamp, 80watt, 5' Shatterproof, box of 40, incl. WEEE levy

Performance is available in a number of other lamp wattage combinations. For further information please call our office on 01582 748700.

