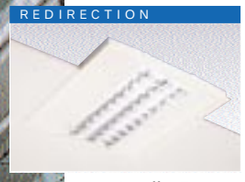
REDIRECTION

Vivant™ p**26-31**

REDIRECTION

Javelin *Recessed* p**32**

REDIRECTION



Javelin *Feature recessed* p**34**

REDIRECTION

Javelin *Semi-recessed* p**33**

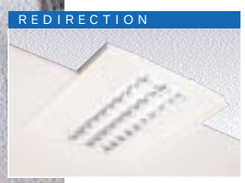
REDIRECTION

Javelin *Surface* p**61**

REDIRECTION

Spear *Recessed* p**36**

REDIRECTION



Spear *Feature recessed* p**34**

ENERGY EFFICIENCY

Vivant™, Javelin and Spear make maximum use of the energy efficiency of the T5 lamp with up to 76% downward light output.

The efficiency of Vivant™, Javelin and Spear means that compared to a T8 scheme, less lamps are required to achieve the same illuminance level. For reasons of economy and ecological issues, high frequency gear is used as standard throughout the range.

Vivant™, Javelin and Spear use louvres made from high quality specular material as standard, reducing contrast and resulting in excellent brightness control. This makes them especially suitable for office environments with high VDT use.

Command 3
To further increase the energy efficiency of the T5 range, all luminaires are fully compatible with Whitecroft Lighting's Command 3 intelligent luminaire control system providing absence and presence detection and daylight sensing.

To test our new high technology, T5 range we took Javelin in a typical open plan area and conducted a comparison with a T8 solution.

- Area: 14.4 x 14.4m
- Ceiling height: 2.6m
- Working plane: 0.8m
- Reflectances: 70/50/20
- Maintained illuminance of 450 - 500 lux average

Calculations revealed the following:

1. T8 Halophosphor 4x18W

Luminaires required: 42
Spacing: 2.0 x 1.8m
Energy consumed: Switchstart 3.9KW High frequency 3.1KW

2. T8 Triphosphor 4x18W

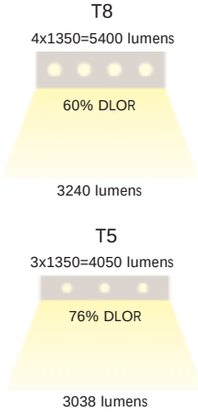
Luminaires required: 36
Spacing: 2.4 x 2.4m
Energy consumed: Switchstart 3.3KW High frequency 2.6KW

3. T5 Triphosphor 3x14W

Luminaires required: 36
Spacing: 2.4 x 2.4m
Energy consumed: High frequency 1.8KW

- **50% energy saving over Halophosphor switchstart**
- **30% energy saving over Triphosphor high frequency**

Performance comparison



Power density comparison