



## Optics

- Light source options:
  - LED 4000 lumens (46W)
 Or
- Lamp options:
  - 4 x 26W TC-D
  - 1 x 60W T5-C
  - 4 x 17W PLR-ECO
- High output lamp and LED options to reduce number of installed luminaires, ideal for stairwells
- Micro polymer diffuser option in polycarbonate for applications where impact resistance is important
- Twist and lock diffuser location

## Body

- Two part spun steel body finished silver and injection moulded gear tray, providing thermal management
- IP40
- Optional extruded and rolled aluminium bezel
- Optional acrylic feature ring available
- Integral emergency versions due to superior thermal management construction
- Optional Command 5 microwave sensor available mounted behind the diffuser for on/off operation
- Also available in suspended option see page 90

# convor surface

## Order Codes

|                      |          |                |
|----------------------|----------|----------------|
| Convor               | HF Gear  | 3 hr Emergency |
| LED 4000 Lumen (46W) | CNVPH14K | CNVPH14KEM     |
| TC-D 4 x 26W         | CNVAH426 | CNVAH426EM     |
| T5-C 1 x 60W         | CNVAH160 | CNVAH160EM     |
| PLR-ECO 4 x 17W      | CNVAH417 | CNVAH417EM     |

## Options

|                         |                          |                          |
|-------------------------|--------------------------|--------------------------|
| DALI DIMMING            | Replace H with <b>Y</b>  | i.e. CNVAY426            |
| SWITCH DIMMING*         | Replace H with <b>X</b>  | i.e. CNVAX426            |
| COMMAND 5**             | Add <b>Q5</b> after CNVA | i.e. CNVA <b>Q5</b> H426 |
| EASYTEST                | Add suffix <b>/ET</b>    | i.e. CNVAH426/ <b>ET</b> |
| COMEPS                  | Add suffix <b>/EP</b>    | i.e. CNVAH426/ <b>EP</b> |
| COMET†                  | Add suffix <b>/CT</b>    | i.e. CNVAH426/ <b>CT</b> |
| POLYCARBONATE DIFFUSER  | Replace A with <b>P</b>  | i.e. CNVPH426            |
| FEATURE RING            |                          | <b>CNVFR</b>             |
| BEZEL                   |                          | <b>CNVBEZ</b>            |
| SURFACE CONDUIT ADAPTER |                          | <b>CNVSCA</b>            |

\*Not available for T5-C 1 x 60W

\*\*Command 5 is only available with HF gear

†COMET not available with LED product



Extruded Aluminium Bezel



Feature Ring

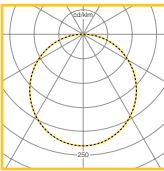
## LED Performance

| Colour Temp | Ra (CRI) | Life Expectancy             | Colour Consistency |
|-------------|----------|-----------------------------|--------------------|
| 4000K       | ≥ 80     | L <sub>70</sub> (50,000hrs) | MacAdam 3 SDCM     |

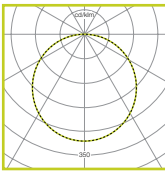
## Lamp Performance

| Wattage         | IL@25°C | Lamp Life |
|-----------------|---------|-----------|
| 1 x 26W TC-D    | 1800    | 13,000hrs |
| 1 x 60W T5-C    | 5000    | 12,000hrs |
| 1 x 17W PLR-ECO | 1250    | 19,000hrs |

## Photometric Performance



4 x 26W TC-D  
• LOR = 73.7%  
• SHR MAX = 1.67



46W LED  
• LOR = 100%  
• SHR MAX = 1.65

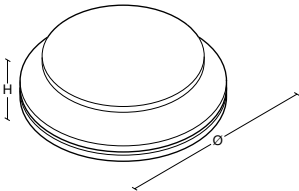
### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.47 0.68 0.74 |

### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.65 0.92 1.00 |

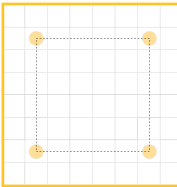
## Dimensions



| Version                  | Ø   | H   | KG  | KG ☑ |
|--------------------------|-----|-----|-----|------|
| Fluorescent Standard     | 538 | 168 | 5.9 | 6.9  |
| Fluorescent Bezel        | 596 | 168 | 6.4 | 7.4  |
| Fluorescent Feature Ring | 680 | 168 | 6.1 | 7.1  |
| LED Standard             | 538 | 168 | 3.9 | 4.3  |
| LED Bezel                | 596 | 168 | 4.4 | 4.8  |
| LED Feature ring         | 680 | 168 | 4.1 | 4.5  |

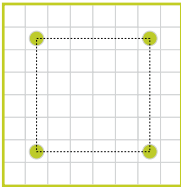
## Performance Guide

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 4 x 26W TC-D | 520 lux     | 3.0m x 3.0m |



Maintenance: 0.8  
Reflectance: 70/50/20  
Ceiling Height: 2.7m  
Working Plane: 0.8m

| Lamps   | Illuminance | Spacing     |
|---------|-------------|-------------|
| 46W LED | 379 lux     | 3.0m x 3.0m |



Maintenance: 0.8  
Reflectance: 70/50/20  
Ceiling Height: 2.7m  
Working Plane: 0.8m

## To Specify

High output LED or fluorescent circular IP40 luminaire with micro polymer diffuser in acrylic or polycarbonate. Two part body with thermal management to allow integral self contained emergency option – as Whitecroft Lighting CONVOR