





mirage MX24

10



mirage MX20

12



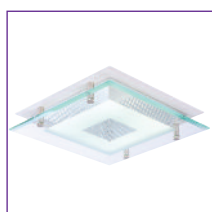
mirage attachments

14



mirage wallwash

18



SQ

19



esprit

20



circo flex

22



circo IP65

24



circo fast

25



LDR LED micro tilt

28



concert fire

28



LDR mini

29



LDR micro

29



LDR IP65

29

downlighter



## Breadth of Range

Mirage is available in 2 sizes, MX20 and MX24. These two body sizes are available with 6 different optical arrangements allowing for the architectural integration of a single range throughout a building, regardless of application. This choice is widened even further with the option of a vast choice of architectural attachments and colour inserts.



# mirage MX

## Compact Fluorescent Downlighters

Mirage, our most popular range of compact fluorescent downlighters, has been re-designed and improved to ensure that the MX range offers even greater performance and flexibility than before.



### Build Quality

The entire Mirage range is constructed of die-cast aluminium, making it robust and light weight. This improved construction method also allows for simple installation via the 3 point leaf spring system.

### Increased Efficiency

The Mirage MX24 has been developed so it can also use the new PL-R ECO lamps developed by Philips. The 14W and 17W lamps deliver a similar lumen output as an 18W or 26W TC-D respectively, when used in a Mirage reflector. Up to 35% energy savings are possible. See page 304 for more details of this lamp type.

### Optic Availability

| Optic            | MX20 | MX24 |
|------------------|------|------|
| Diamond Facet    | ✓    | ✓    |
| Plain Reflector  | ✓    | ✓    |
| Satin Bright     | x    | ✓    |
| Wall Washer      | x    | ✓    |
| IP44             | ✓    | ✓    |
| Technical Louvre | ✓    | ✓    |



# mirage MX24

compact fluorescent downlighter

> weblink > **MX24**

## Optics

- Lamp options:
  - 2 x 18W TC-D
  - 1 or 2 x 26W TC-D
  - 1 or 2 x 32W TC-T
  - 1 or 2 x 42W TC-T
  - 1 x 57W TC-T
  - 1 or 2 x 17W PL-R ECO
  - 2 x 14W PL-R ECO
- Vacuum metalised diamond facet, anodised plain or satin bright reflector

## Body

- Cast aluminium body with cast aluminium bezel painted white
- 3 point fixing for ceilings, 1mm to 25mm thick
- Supplied with cut aperture support ring to simplify installation
- Integrated removable gear tray for HF and dimming versions
- Available with a wide range of attachments



Plain reflector

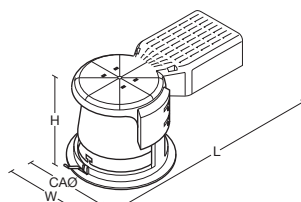


Satin bright reflector

## LAMP PERFORMANCE

| Wattage          | IL@25°C | Lamp Life |
|------------------|---------|-----------|
| 1 x 14W PL-R ECO | 1050    | 24,000hrs |
| 1 x 17W PL-R ECO | 1250    | 24,000hrs |
| 1 x 18W TC-D     | 1200    | 12,000hrs |
| 1 x 26W TC-D     | 1800    | 12,000hrs |
| 1 x 32W TC-T     | 2400    | 12,000hrs |
| 1 x 42W TC-T     | 3200    | 12,000hrs |
| 1 x 57W TC-T     | 4300    | 12,000hrs |

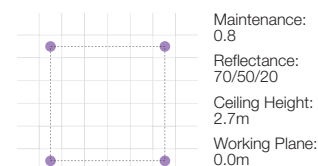
## DIMENSIONS



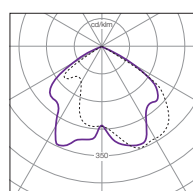
| Version            | L   | W   | H   | CAØ | KG  | KG  |
|--------------------|-----|-----|-----|-----|-----|-----|
| Diamond Facet      | 420 | 240 | 122 | 230 | 2.0 | 3.0 |
| Plain/Satin Bright | 420 | 240 | 171 | 230 | 2.0 | 3.0 |

## PERFORMANCE GUIDE

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 2 x 26W TC-D | 210 lux     | 3.0m x 3.0m |



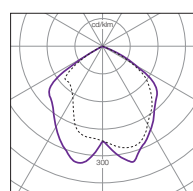
## PHOTOMETRIC PERFORMANCE



- LOR = 76.7%
- SHR MAX = 1.88

### Utilisation Factors UF(F)

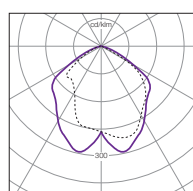
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.53 0.76 0.81 |



- LOR = 60.4%
- SHR MAX = 1.68

### Utilisation Factors UF(F)

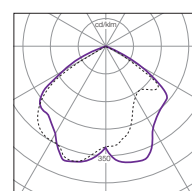
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.46 0.61 0.65 |



- LOR = 57.4%
- SHR MAX = 1.68

### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.46 0.61 0.65 |



- LOR = 88.5%
- SHR MAX = 1.74

### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.61 0.87 0.93 |

# mirage MX24

> weblink > **MX24**

## ORDER CODES

| Diamond Facet | HF Gear   | 3 hr Emergency |
|---------------|-----------|----------------|
| TC-D 2 x 18W  | MX24H218S | MX24H218SEM    |
| TC-D 1 x 26W  | MX24H126S | MX24H126SEM    |
| TC-D 2 x 26W  | MX24H226S | MX24H226SEM    |

| Plain        | HF Gear   | 3 hr Emergency |
|--------------|-----------|----------------|
| TC-D 2 x 18W | MX24H218P | MX24H218PEM    |
| TC-D 1 x 26W | MX24H126P | MX24H126PEM    |
| TC-D 2 x 26W | MX24H226P | MX24H226PEM    |
| TC-T 1 x 32W | MX24H132P | MX24H132PEM    |
| TC-T 2 x 32W | MX24H232P | MX24H232PEM    |
| TC-T 1 x 42W | MX24H142P | MX24H142PEM    |
| TC-T 2 x 42W | MX24H242P | MX24H242PEM    |
| TC-T 1 x 57W | MX24H157P | MX24H157PEM    |

| Satin Bright | HF Gear   | 3 hr Emergency |
|--------------|-----------|----------------|
| TC-D 2 x 18W | MX24H218B | MX24H218BEM    |
| TC-D 1 x 26W | MX24H126B | MX24H126BEM    |
| TC-D 2 x 26W | MX24H226B | MX24H226BEM    |
| TC-T 1 x 32W | MX24H132B | MX24H132BEM    |
| TC-T 2 x 32W | MX24H232B | MX24H232BEM    |
| TC-T 1 x 42W | MX24H142B | MX24H142BEM    |
| TC-T 2 x 42W | MX24H242B | MX24H242BEM    |
| TC-T 1 x 57W | MX24H157B | MX24H157BEM    |

| ECO Diamond Facet | HF Gear   | 3 hr Emergency |
|-------------------|-----------|----------------|
| PL-R 2 x 14W      | MX24H214S | MX24H214SEM    |
| PL-R 1 x 17W      | MX24H117S | MX24H117SEM    |
| PL-R 2 x 17W      | MX24H217S | MX24H217SEM    |

| ECO Plain    | HF Gear   | 3 hr Emergency |
|--------------|-----------|----------------|
| PL-R 2 x 14W | MX24H214P | MX24H214PEM    |
| PL-R 1 x 17W | MX24H117P | MX24H117PEM    |
| PL-R 2 x 17W | MX24H217P | MX24H217PEM    |

| ECO Satin Bright | HF Gear   | 3 hr Emergency |
|------------------|-----------|----------------|
| PL-R 2 x 14W     | MX24H214B | MX24H214BEM    |
| PL-R 1 x 17W     | MX24H117B | MX24H117BEM    |
| PL-R 2 x 17W     | MX24H217B | MX24H217BEM    |

## Options

|                 |                                       |                           |
|-----------------|---------------------------------------|---------------------------|
| DALI DIMMING    | Replace H with <b>Y</b> in order code | i.e. MX24 <b>Y</b> 218P   |
| DSI DIMMING*    | Replace H with <b>D</b> in order code | i.e. MX24 <b>D</b> 218P   |
| SWITCH DIMMING* | Replace H with <b>X</b> in order code | i.e. MX24 <b>X</b> 218P   |
| EASYTEST*       | Add suffix <b>/ET</b> to order code   | i.e. MX24H218P/ <b>ET</b> |
| COMET           | Add suffix <b>/CT</b> to order code   | i.e. MX24H218P/ <b>CT</b> |

\*Not available for PLR-ECO 2 x 14W and 1/2 x 17W



## TO SPECIFY

Compact fluorescent downlighter with cast aluminium body, white cast aluminium bezel and integral control gear. With choice of plain silver, diamond faceted or satin bright reflector – as Whitecroft Lighting MIRAGE MX24

# mirage MX20

compact fluorescent downlighter

> weblink > **MX20**

## Optics

- Lamp options:
  - 1 or 2 x 13W TC-D
  - 1 or 2 x 18W TC-D
- Vacuum metalised diamond facet reflector or anodised plain reflector

## Body

- Cast aluminium body with cast aluminium bezel painted white
- 3 point fixing for ceilings, 1mm to 25mm thick
- Integrated removable gear tray for HF and dimming versions
- Available with a wide range of attachments

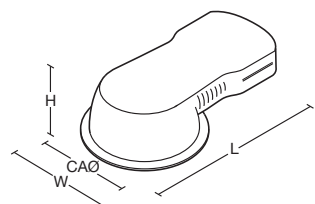


Plain reflector

## LAMP PERFORMANCE

| Wattage      | IL@25°C | Lamp Life |
|--------------|---------|-----------|
| 1 x 13W TC-D | 900     | 12,000hrs |
| 1 x 18W TC-D | 1200    | 12,000hrs |

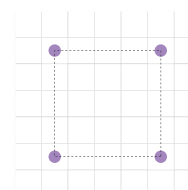
## DIMENSIONS



| L   | W   | H   | CAØ | KG  | KG  |
|-----|-----|-----|-----|-----|-----|
| 332 | 200 | 112 | 185 | 2.8 | 3.8 |

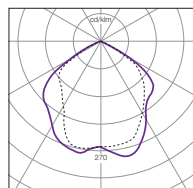
## PERFORMANCE GUIDE

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 2 x 18W TC-D | 260 lux     | 2.4m x 2.4m |



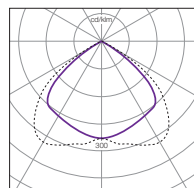
Maintenance:  
0.8  
Reflectance:  
70/50/20  
Ceiling Height:  
2.7m  
Working Plane:  
0.0m

## PHOTOMETRIC PERFORMANCE



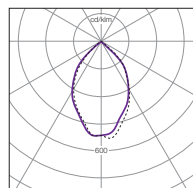
2 x 18W TC-D  
Diamond Facet

- LOR = 57.3%
- SHR MAX = 1.59



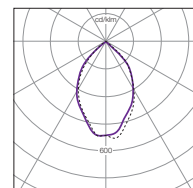
2 x 18W TC-D  
Plain Reflector

- LOR = 68.5%
- SHR MAX = 1.81



1 x 18W TC-D  
Diamond Facet

- LOR = 61.4%
- SHR MAX = 1.26



1 x 18W TC-D  
Plain Reflector

- LOR = 59.9%
- SHR MAX = 1.26

### Utilisation Factors UF(F)

| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.45       | 0.59 | 0.62 |

### Utilisation Factors UF(F)

| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.58       | 0.72 | 0.76 |

### Utilisation Factors UF(F)

| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.55       | 0.65 | 0.67 |

### Utilisation Factors UF(F)

| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.54       | 0.64 | 0.66 |

# mirage MX20

> weblink > **MX20**

## ORDER CODES

| Diamond Facet | HF Gear          | 3 hr Emergency     |
|---------------|------------------|--------------------|
| TC-D 1 x 13W  | <b>MX20H113S</b> | <b>MX20H113SEM</b> |
| TC-D 2 x 13W  | <b>MX20H213S</b> | <b>MX20H213SEM</b> |
| TC-D 1 x 18W  | <b>MX20H118S</b> | <b>MX20H118SEM</b> |
| TC-D 2 x 18W  | <b>MX20H218S</b> | <b>MX20H218SEM</b> |

| Plain*       | HF Gear          | 3 hr Emergency     |
|--------------|------------------|--------------------|
| TC-D 1 x 13W | <b>MX20H113P</b> | <b>MX20H113PEM</b> |
| TC-D 2 x 13W | <b>MX20H213P</b> | <b>MX20H213PEM</b> |
| TC-D 1 x 18W | <b>MX20H118P</b> | <b>MX20H118PEM</b> |
| TC-D 2 x 18W | <b>MX20H218P</b> | <b>MX20H218PEM</b> |

\*Plain reflector not suitable for any of the MX attachments

## Options

|                |                                       |                           |
|----------------|---------------------------------------|---------------------------|
| DALI DIMMING   | Replace H with <b>Y</b> in order code | i.e. MX20 <b>Y</b> 113P   |
| DSI DIMMING    | Replace H with <b>D</b> in order code | i.e. MX20 <b>D</b> 113P   |
| SWITCH DIMMING | Replace H with <b>X</b> in order code | i.e. MX20 <b>X</b> 113P   |
| EASYTEST       | Add suffix <b>/ET</b> to order code   | i.e. MX20H113P/ <b>ET</b> |
| COMET          | Add suffix <b>/CT</b> to order code   | i.e. MX20H113P/ <b>CT</b> |



## TO SPECIFY

Compact fluorescent downlighter with cast aluminium body, white cast aluminium bezel and integral control gear. With choice of plain silver or diamond faceted reflector – as Whitecroft Lighting MIRAGE MX20



IP44 Satin Disc



Cylinder



Flush Ring



# mirage attachments

To compliment the improved Mirage MX downlighters, a new range of architectural attachments have been developed. The range consists of 5 different feature rings, each developed to provide a subtle aesthetic enhancement to the standard luminaire. These feature attachments can be further enhanced by the addition of coloured rings, along with clear or opal inserts, to provide a staggering combination of options.

These attachments all share a number of unique features:



## Easy Installation

The feature attachments simply clip in to the Mirage bezel from the front face, and do not require tools to install. This means that they can be fitted at any time during or after installation, or even retro-fitted to existing luminaires.

## Visual Integration

The attachments can be mixed and matched throughout a building to offer visual zoning and architectural integration. The additional use of coloured inserts can help with navigation throughout a building by differentiating between areas, as well as just adding visual interest.

## Robust Construction

These one piece attachments are moulded from high impact polycarbonate, making them robust enough to withstand all but the most deliberate abuse.

## Optical Technology

All feature attachments employ the same micro-polymer materials first used in our successful DUO range of luminaires therefore they have excellent light output ratios. The feature attachments also create an Intermediate Brightness Zone between ceiling and optic, which leads to greater visual comfort. This is another technology first developed for the DUO range.

Floating Ring



Cylinder Ring



Inner Disc



Coloured Ring Inserts



# mirage attachments

> weblink > **MXA**

## IP44 SATIN DISC

- IP44 protection
- Diffuser lamp image for maximum comfort
- High light output ratios for maximum efficiency
- Allows architectural harmony with other areas



## CYLINDER

- No upward facing surface – does not harbour dust
- Intermediate brightness zone
- Long range visibility
- Minimum efficiency disruption



## FLUSH RING

- Fully recessed
- Intermediate brightness zone
- Minimum efficiency disruption
- Option with coloured inserts (RGB)



## FLOATING RING

- Invisible suspension – no shadows from fixings
- Intermediate brightness zone
- Long range visibility
- Minimum efficiency disruption
- Option with coloured inserts (RGB)



## CYLINDER RING

- Architectural feature – adds presence to any application
- Intermediate brightness zone
- Long range visibility
- Minimum efficiency disruption
- Option with coloured inserts (RGB)



## INNER DISC

- IP40 protection
- Clear or satin for choice of aesthetics
- Suitable for use with all ring attachments



## COLOURED RING INSERTS

- Red, green and blue inserts
- Create a dramatic appearance or compliment an interior scheme
- Ideal as a navigation aid



# mirage attachments

> weblink > **MXA**

## TECHNICAL LOUVRE

- Injection moulded cross design
- Vacuum metalised specular finish
- 65° lamp cut off



## ETCHED GLASS RING

- Feature glass is easily fitted via 3 metal clip-in pillars
- Long range visibility
- Etched pattern on glass



## ORDER CODES

### MX20

- IP44 disc<sup>1</sup>
- Technical louvre<sup>1</sup>
- Etched glass ring<sup>1</sup>

- MXA20-IP44
- MXA20-10
- MXA20-61

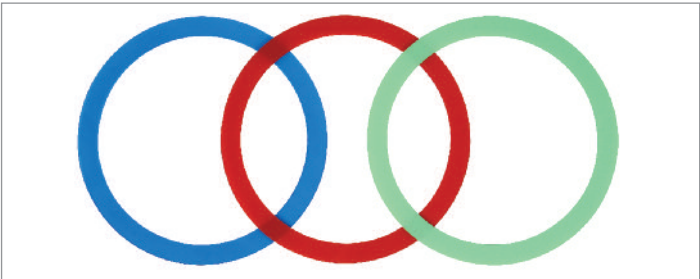
### MX24

- IP44 disc<sup>2</sup>
- Cylinder
- Flush ring
- Flush ring + coloured ring inserts (RGB)
- Floating ring with clear sides
- Floating ring with clear sides + floating coloured ring inserts (RGB)
- Cylinder ring with satin sides
- Cylinder ring with satin sides + floating coloured ring inserts (RGB)
- Clear inner disc (IP40)<sup>2 3</sup>
- Satin inner disc (IP40)<sup>2 3</sup>
- Technical louvre
- Etched glass ring

- MXA24-IP44
- MXA24-2
- MXA24-1
- MXA24-1C
- MXA24-3
- MXA24-3C
- MXA24-4
- MXA24-4C
- MXA24-IDC
- MXA24-IDS
- MXA24-10
- MXA24-61

Note:

<sup>1</sup> Only suitable for use with diamond facet reflector  
<sup>2</sup> Not suitable for 2 x 42W luminaires  
<sup>3</sup> Accessory for flush ring, floating ring or cylinder ring



Coloured ring inserts



Inner disc installation

# mirage MX wallwash

compact fluorescent wallwasher

> weblink > **MIRWW**

## Optics

- Lamp options:
  - 1 or 2 x 26W TC-D
- Vacuum metalised specular asymmetric reflector
- Low glare in room direction, high cut off in direction of wall

## Body

- Cast aluminium body with cast aluminium bezel painted white
- Integrated removable gear tray for HF and dimming versions
- 3 point fixing for ceilings 1mm-25mm
- Supplied with cut aperture support ring to simplify installation



## ORDER CODES

| Mirage MX Wallwash | HF Gear          |
|--------------------|------------------|
| TC-D 1 x 26W       | <b>MX24H126W</b> |
| TC-D 2 x 26W       | <b>MX24H226W</b> |

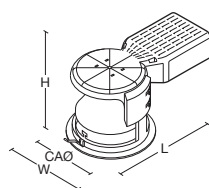
## Options

|                |                                       |                         |
|----------------|---------------------------------------|-------------------------|
| DALI DIMMING   | Replace H with <b>Y</b> in order code | i.e. MX24 <b>Y</b> 126W |
| DSI DIMMING    | Replace H with <b>D</b> in order code | i.e. MX24 <b>D</b> 126W |
| SWITCH DIMMING | Replace H with <b>X</b> in order code | i.e. MX24 <b>X</b> 126W |

## LAMP PERFORMANCE

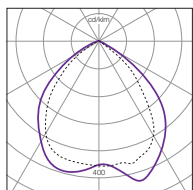
|              |         |           |
|--------------|---------|-----------|
| Wattage      | IL@25°C | Lamp Life |
| 1 x 26W TC-D | 1800    | 12,000hrs |

## DIMENSIONS



| L   | W   | H   | CAØ | KG  |
|-----|-----|-----|-----|-----|
| 416 | 240 | 171 | 230 | 2.0 |

## PHOTOMETRIC PERFORMANCE



- 2 x 26W TC-D
- LOR = 78.9%
  - 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 | 0.66       | 0.82 | 0.86 |

## TO SPECIFY

Compact fluorescent downlighter with specular wallwash reflector, cast aluminium body, cast aluminium bezel finished white and integral control gear – as Whitecroft Lighting MIRAGE WALLWASH

# SQ

square compact fluorescent downlighter

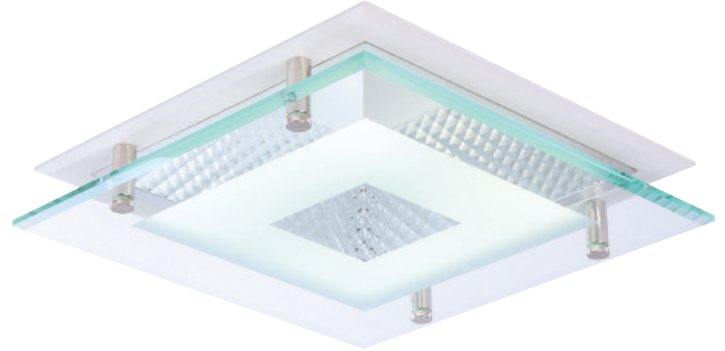
> weblink > **SPQ**

## Optics

- Lamp options:
  - 1 x 26/32/42W TC-T, utilising HF multi-watt ballast
  - Emergency and dimming versions utilise specific wattage ballasts
- Faceted vacuum metalised reflector
- Optional version with decorative feature glass

## Body

- Square recessed downlighter
- Injection moulded flame retardant polycarbonate body with white die cast bezel
- Fitting is supplied complete with a 2m lead with free stripped ends



Without feature glass

## ORDER CODES

| SQ (Standard)      |                    | HF Gear          |
|--------------------|--------------------|------------------|
| TC-T 1 x 26/32/42W | Multi-Watt Ballast | <b>SQH126-42</b> |
| SQ (Emergency)     |                    | 3 hr Emergency   |
| TC-T 1 x 26W       |                    | <b>SQH126EM</b>  |
| TC-T 1 x 32W       |                    | <b>SQH132EM</b>  |
| TC-T 1 x 42W       |                    | <b>SQH142EM</b>  |

## Options (For dimming and emergency options, the wattage must be specified)

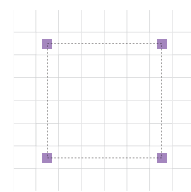
|                |                                                       |                       |
|----------------|-------------------------------------------------------|-----------------------|
| DALI DIMMING   | Replace H126-42 with <b>Y126, Y132</b> or <b>Y142</b> | i.e. <b>SQY126</b>    |
| DSI DIMMING    | Replace H126-42 with <b>D126, D132</b> or <b>D142</b> | i.e. <b>SQD126</b>    |
| SWITCH DIMMING | Replace H126-42 with <b>X126, X132</b> or <b>X142</b> | i.e. <b>SQX126</b>    |
| EASYTEST       | Add suffix <b>/ET</b> to order code                   | i.e. <b>SQH126/ET</b> |
| COMET          | Add suffix <b>/CT</b> to order code                   | i.e. <b>SQH126/CT</b> |
| FEATURE GLASS  | Add suffix <b>FG</b> to any order code                | i.e. <b>SQH126FG</b>  |

## LAMP PERFORMANCE

| Wattage      | IL@25°C | Lamp Life |
|--------------|---------|-----------|
| 1 x 26W TC-T | 1800    | 12,000hrs |
| 1 x 32W TC-T | 2400    | 12,000hrs |
| 1 x 42W TC-T | 3200    | 12,000hrs |

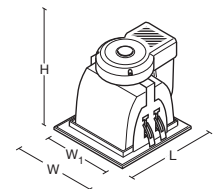
## PERFORMANCE GUIDE

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 1 x 42W TC-T | 200 lux     | 3.0m x 3.0m |



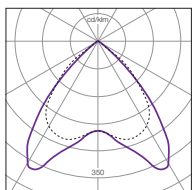
Maintenance:  
0.8  
Reflectance:  
70/50/20  
Ceiling Height:  
2.7m  
Working Plane:  
0.0m

## DIMENSIONS



| L   | W   | H   | W <sub>1</sub> | KG  | KG  |
|-----|-----|-----|----------------|-----|-----|
| 244 | 244 | 192 | 210            | 1.5 | 2.8 |

## PHOTOMETRIC PERFORMANCE



1 x 42W TC-D  
• LOR = 62.1%  
• SHR MAX = 1.81

## Utilisation Factors UF(F)

| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.48       | 0.63 | 0.67 |

## TO SPECIFY

Square compact fluorescent downlighter with faceted reflector, die cast bezel and polycarbonate body – as Whitecroft Lighting SQ



# esprit

compact fluorescent downlighter

## Optics

- Lamp options:
  - 1 x 13W TC-D
  - 1 or 2 x 18/26W TC-D
  - 1 or 2 x 32/42W TC-T
- Anodised aluminium reflectors, (except 13W – vacuum metalised)

## Body

- One piece assembly with precision moulded bezel and gear housing
- 13W luminaire is supplied complete with IP44, TP(a) attachment which can be removed if not required
- 3 point fixing with rapid fix pull down straps
- IP44 fresnel lens with twist and lock location. Order separately for 18W or 26W versions
- Feature glass can be fitted via 3 pilot holes in rear of bezel



## ORDER CODES

| Esprit       | HF Gear | 3 hr Emergency |
|--------------|---------|----------------|
| TC-D 1 x 13W | ESPH113 | ESPH113EM      |
| TC-D 1 x 18W | ESPH118 | ESPH118EM      |
| TC-D 2 x 18W | ESPH218 | ESPH218EM      |
| TC-D 1 x 26W | ESPH126 | ESPH126EM      |
| TC-D 2 x 26W | ESPH226 | ESPH226EM      |
| TC-T 1 x 32W | ESPH132 | ESPH132EM      |
| TC-T 2 x 32W | ESPH232 | ESPH232EM      |
| TC-T 1 x 42W | ESPH142 | ESPH142EM      |
| TC-T 2 x 42W | ESPH242 | ESPH242EM      |

## Options

|                    |                                       |                         |
|--------------------|---------------------------------------|-------------------------|
| POLO FEATURE GLASS | 18/26W ONLY                           | ESFG-2                  |
| POLO FEATURE GLASS | 32/42W ONLY                           | ESFG-3                  |
| IP44 ATTACHMENT*   | 18/26W ONLY                           | ESIP44-2                |
| DSI DIMMING        | Replace H with <b>D</b> in order code | i.e. ESP <b>D</b> 226   |
| DALI DIMMING       | Replace H with <b>Y</b> in order code | i.e. ESP <b>Y</b> 226   |
| SWITCH DIMMING     | Replace H with <b>X</b> in order code | i.e. ESP <b>X</b> 226   |
| EASYTEST           | Add suffix <b>/ET</b> to order code   | i.e. ESPH226/ <b>ET</b> |
| COMET              | Add suffix <b>/CT</b> to order code   | i.e. ESPH226/ <b>CT</b> |

Note: dimming not available on 13W version

\*IP44 not available for 32/42W versions

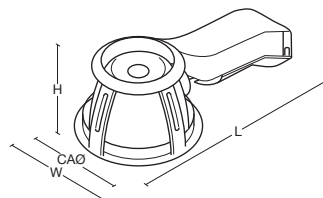


Polo feature glass



IP44 cover

## DIMENSIONS



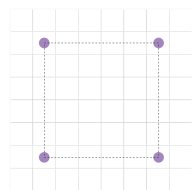
| Version | L   | W   | H   | CAØ | KG  | KG  |
|---------|-----|-----|-----|-----|-----|-----|
| 13W     | 268 | 165 | 80  | 150 | 0.3 | 1.3 |
| 18/26W  | 363 | 218 | 114 | 200 | 0.9 | 1.9 |
| 32/42W  | 445 | 275 | 150 | 250 | 1.8 | 2.8 |

## LAMP PERFORMANCE

| Wattage      | IL@25°C | Lamp Life |
|--------------|---------|-----------|
| 1 x 13W TC-D | 900     | 12,000hrs |
| 1 x 18W TC-D | 1200    | 12,000hrs |
| 1 x 26W TC-D | 1800    | 12,000hrs |
| 1 x 32W TC-T | 2400    | 12,000hrs |
| 1 x 42W TC-T | 3200    | 12,000hrs |

## PERFORMANCE GUIDE

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 2 x 26W TC-D | 230 lux     | 3.0m x 3.0m |

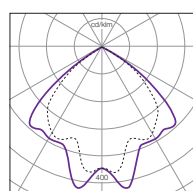


Maintenance:  
0.8  
Reflectance:  
70/50/20  
Ceiling Height:  
2.7m  
Working Plane:  
0.0m

## TO SPECIFY

One piece construction compact fluorescent luminaire, with precision moulded gear housing, body and bezel. 13W < 81mm deep and 151mm cut aperture, 18W and 26W < 115mm deep and 201mm cut aperture, 32W and 42W < 151mm deep and 251mm cut aperture. 3 point rapid fix pull down straps – as Whitecroft Lighting ESPRIT

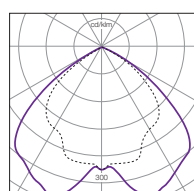
## PHOTOMETRIC PERFORMANCE



1 x 18W TC-D  
• LOR = 76%  
• SHR MAX = 1.82

### Utilisation Factors UF(F)

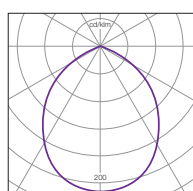
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.65 0.80 0.83 |



2 x 18W TC-D  
• LOR = 69%  
• SHR MAX = 1.96

### Utilisation Factors UF(F)

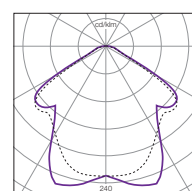
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.59 0.72 0.75 |



2 x 18W TC-D  
IP44 Diffuser  
• LOR = 47%  
• SHR MAX = 1.32

### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.34 0.46 0.49 |



1 x 32W TC-T  
• LOR = 59%  
• SHR MAX = 1.18

### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.42 0.58 0.62 |



AVAILABLE  
FAST

Men's toiletries  
Skincare

Health & beauty  
Medicines

6

S. America & S. Africa

S. America & Germany

Other European

Spain & Italy

FAIRTRADE  
WINE

FREE  
WATER GLASS  
EXTRA SMOOTH

FREE  
WATER GLASS  
EXTRA SMOOTH

FREE  
WATER GLASS  
EXTRA SMOOTH

FREE  
WATER GLASS  
EXTRA SMOOTH

FREE  
WATER GLASS  
EXTRA SMOOTH

FREE  
WATER GLASS  
EXTRA SMOOTH

FREE  
WATER GLASS  
EXTRA SMOOTH

Under  
21

STRONGBOW

STRONGBOW

STRONGBOW

STRONGBOW

STRONGBOW

Under  
21

STRONGBOW

STRONGBOW

STRONGBOW

STRONGBOW

STRONGBOW

ONLY  
£9.99

ENJOY EXTRA COLD  
CARLING

ENJOY EXTRA COLD  
CARLING

ONLY  
£9.99

ENJOY EXTRA COLD  
CARLING

ENJOY EXTRA COLD  
CARLING

# circo flex

directional HID downlighter

> weblink > **FLX**

## Optics

- Two different sized heads:
  - Circo Flex 190 for 35/70W CDM-T or 100W White SON
  - Circo Flex 145 for 20/35W CDM-Tm
- CDM available with medium or wide distribution
- SON wide distribution only
- Specular anodised aluminium reflector with integral safety glass

## Body

- Die cast aluminium body painted white
- Easy installation using spring clips
- 360° swivel and adjustable tilt. 0-60°
- Supplied with ST18/3 plug for HF gearbox connection. (Order gearbox separately)



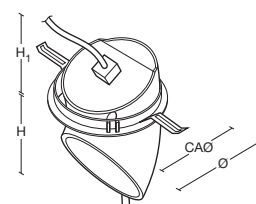
## ORDER CODES

| Circo Flex 145 |  | Wide Reflector      | Medium Reflector    |
|----------------|--|---------------------|---------------------|
| CDM-Tm 20/35W  |  | <b>FLX-C20-35-W</b> | <b>FLX-C20-35-M</b> |
| Circo Flex 190 |  | Wide Reflector      | Medium Reflector    |
| CDM-T 35/70W   |  | <b>FLX-C35-70-W</b> | <b>FLX-C35-70-M</b> |
| SON WHITE 100W |  | <b>FLX-S100-W</b>   | –                   |
| Gearbox        |  | HF                  |                     |
| CDM-Tm 20W     |  | <b>GB-C20TME-P</b>  |                     |
| CDM-Tm 35W     |  | <b>GB-C35TME-P</b>  |                     |
| CDM 35W        |  | <b>GB-C35E-P</b>    |                     |
| CDM 70W        |  | <b>GB-C70E-P</b>    |                     |
| SON WHITE 100W |  | <b>GB-S100E-P</b>   |                     |

## PHOTOMETRIC PERFORMANCE

| 70W CDM-T  |       |     | 70W CDM-T |      |     | 20W CDM-Tm |      |     | 20W CDM-Tm |      |     |
|------------|-------|-----|-----------|------|-----|------------|------|-----|------------|------|-----|
| M          | 70W   | Ø   | M         | 70W  | Ø   | M          | 20W  | Ø   | M          | 20W  | Ø   |
| 1.0m       | 18995 | 0.5 | 1.0m      | 5369 | 1.1 | 1.0m       | 4882 | 0.6 | 1.0m       | 1160 | 1.5 |
| 2.0m       | 4748  | 1.1 | 2.0m      | 1342 | 2.1 | 2.0m       | 1220 | 1.3 | 2.0m       | 290  | 2.9 |
| 3.0m       | 2110  | 1.6 | 3.0m      | 596  | 3.2 | 3.0m       | 542  | 1.9 | 3.0m       | 129  | 4.4 |
| 4.0m       | 1187  | 2.1 | 4.0m      | 335  | 4.2 | 4.0m       | 305  | 2.5 | 4.0m       | 73   | 5.8 |
| Medium 30° |       |     | Wide 56°  |      |     | Medium 40° |      |     | Wide 71°   |      |     |

## DIMENSIONS



| Version        | H   | H <sub>1</sub> | Ø   | CAØ | KG  |
|----------------|-----|----------------|-----|-----|-----|
| Circo Fast 190 | 128 | 132            | 190 | 180 | 0.8 |
| Circo Fast 145 | 92  | 96             | 146 | 140 | 0.4 |

## TO SPECIFY

Circo Flex 145  
Directional downlighter for 20W or 35W CDM-Tm. Die cast aluminium body painted white with 146mm Ø bezel and specular aluminium reflector giving medium (40°) or wide (71°) distribution. With 360° swivel and 0-60° tilt – as Whitecroft Lighting CIRCO FLEX 145

Circo Flex 190  
Directional downlighter for 35W or 70W CDM-T or 100W STH lamp. Die cast aluminium body painted white with 190mm Ø bezel and specular aluminium reflector giving medium (30°) or wide (56°) distribution. With 360° swivel and 0-60° tilt – as Whitecroft Lighting CIRCO FLEX 190

# CIRCO IP65

IP65 compact fluorescent or CDM-T downlighters

> weblink > CIRIP

## Optics

- Lamp options:
  - Small bezel diameter (Ø 192 mm)
    - 1 x 35W, 70W or 150W CDM-T head. Supplied with ST18/3 plug for connection to remote gearbox (gearbox to be ordered separately)
  - 1 x 26W, 32W or 42W TC-T, utilising HF multi-watt ballast. Emergency and dimming versions utilise specific wattage ballasts
  - 2 x 26W TC-D HF
  - Large bezel diameter (Ø 237 mm)
    - 2 x 26W, 32W or 42W TC-T, utilising HF multi-watt ballast
    - Emergency and dimming versions utilise specific wattage ballasts
- Faceted aluminium reflector

## Body

- IP65 from front. IP20 from behind
- Injection moulded flame retardant polycarbonate body
- Toughened glass cover with die cast bezel painted white, secured with tamperproof fixings
- Fluorescent fittings are supplied complete with 2m lead with free stripped ends. CDM fittings include lead with ST18/3 plug for connection to gearbox



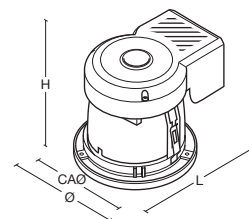
## ORDER CODES

| CDM-T Lamps Small 192mm Ø    |                                                               |                          | HF Gear            |
|------------------------------|---------------------------------------------------------------|--------------------------|--------------------|
| CDM-T 1 x 35/70/150W         | Multi-Lamp Housing                                            |                          | <b>C65S35-150C</b> |
| 35W electronic gearbox       |                                                               |                          | <b>GB-C35E-P</b>   |
| 70W electronic gearbox       |                                                               |                          | <b>GB-C70E-P</b>   |
| 150W electronic gearbox      |                                                               |                          | <b>GB-C15E-P</b>   |
| Fluorescent HF Small 192mm Ø |                                                               |                          | HF Gear            |
| TC-T 1 x 26/32/42W           | Multi-Watt Ballast                                            |                          | <b>C65SH126-42</b> |
| TC-D 2 x 26W                 |                                                               |                          | <b>C65SH226</b>    |
| Fluorescent HF Small 192mm Ø |                                                               |                          | 3 hr Emergency     |
| TC-T 1 x 26W                 |                                                               |                          | <b>C65SH126EM</b>  |
| TC-T 1 x 32W                 |                                                               |                          | <b>C65SH132EM</b>  |
| TC-T 1 x 42W                 |                                                               |                          | <b>C65SH142EM</b>  |
| TC-D 2 x 26W                 |                                                               |                          | <b>C65SH226EM</b>  |
| Fluorescent HF Large 237mm Ø |                                                               |                          | HF Gear            |
| TC-T 2 x 26/32/42W           | Multi-Watt Ballast                                            |                          | <b>C65LH226-42</b> |
| Fluorescent HF Large 237mm Ø |                                                               |                          | 3 hr Emergency     |
| TC-T 2 x 26W                 |                                                               |                          | <b>C65LH226EM</b>  |
| TC-T 2 x 32W                 |                                                               |                          | <b>C65LH232EM</b>  |
| TC-T 2 x 42W                 |                                                               |                          | <b>C65LH242EM</b>  |
| Options (Fluorescent Only)   |                                                               |                          |                    |
| DALI DIMMING                 | Replace H126-42 with <b>Y126</b> , <b>Y132</b> or <b>Y142</b> | i.e. C65SY126            |                    |
| DSI DIMMING                  | Replace H126-42 with <b>D126</b> , <b>D132</b> or <b>D142</b> | i.e. C65SD126            |                    |
| SWITCH DIMMING               | Replace H126-42 with <b>X126</b> , <b>X132</b> or <b>X142</b> | i.e. C65SX126            |                    |
| EASYTEST                     | Add suffix <b>/ET</b> to order code                           | i.e. C65SH126/ <b>ET</b> |                    |
| COMET                        | Add suffix <b>/CT</b> to order code                           | i.e. C65SH126/ <b>CT</b> |                    |
| ACCESS & FIXING TOOL         |                                                               |                          | <b>HAL-KEY</b>     |

Note: For dimming and emergency options, the wattage must be specified

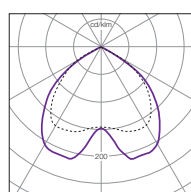


## DIMENSIONS

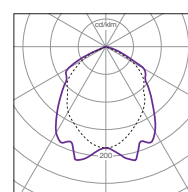


| Version               | Ø   | CAØ | H   | L   | KG  | KG  |
|-----------------------|-----|-----|-----|-----|-----|-----|
| Fluorescent small 192 | 192 | 176 | 145 | 220 | 1.5 | 2.5 |
| Fluorescent large     | 237 | 222 | 192 | 250 | 2.1 | 3.4 |
| CDM-T small           | 192 | 176 | 145 | 220 | 1.2 | -   |
| Gearbox               | -   | -   | 250 | 250 | 2   | -   |

## PHOTOMETRIC PERFORMANCE



- 2 x 42W TC-D  
237mm Diameter
- LOR = 45.7%
- SHR MAX = 1.99



- 2 x 26W TC-D  
192mm Diameter
- LOR = 42.0%
- SHR MAX = 1.61

## Utilisation Factors UF(F)

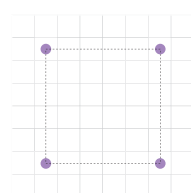
| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.33       | 0.45 | 0.48 |

## Utilisation Factors UF(F)

| Room Reflectance |      |      | Room Index |      |      |
|------------------|------|------|------------|------|------|
| C                | W    | F    | 1.00       | 3.00 | 5.00 |
| 0.70             | 0.50 | 0.20 | 0.32       | 0.42 | 0.45 |

## PERFORMANCE GUIDE

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 2 x 26W TC-T | 240 lux     | 3.0m x 3.0m |



Maintenance:  
0.8  
Reflectance:  
70/50/20  
Ceiling Height:  
2.7m  
Working Plane:  
0.0m

## LAMP PERFORMANCE

| Wattage        | IL@25°C | Lamp Life |
|----------------|---------|-----------|
| 1 x 26W TC-D   | 1800    | 12,000hrs |
| 1 x 26W TC-T   | 1800    | 12,000hrs |
| 1 x 32W TC-T   | 2400    | 12,000hrs |
| 1 x 42W TC-T   | 3200    | 12,000hrs |
| 1 x 35W CDM-T  | 3300    | 12,000hrs |
| 1 x 70W CDM-T  | 6600    | 12,000hrs |
| 1 x 150W CDM-T | 14000   | 12,000hrs |

## TO SPECIFY

IP65 compact fluorescent or CDM-T downlighter with polycarbonate body, faceted aluminium reflector and cast bezel, finished white, secured with tamperproof fixings – as Whitecroft Lighting CIRCO IP65

# circo fast

fixed HID downlighter

> weblink > **FAS**

## Optics

- Two different sized heads:
  - Circo Fast 125 for 25/35W CDM-Tm
  - Circo Fast 190 for 35/70/150W CDM-T or 100W White SON
- CDM available with medium or wide distribution
- SON wide distribution only
- Specular anodised aluminium reflector with integral safety glass

## Body

- Bezel painted white
- Easy installation using spring clips
- Supplied with ST18/3 plug for HF gearbox connection. (Order gearbox separately)



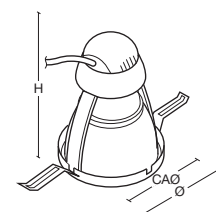
## ORDER CODES

| Circo Fast 125   | Wide Reflector       | Medium Reflector     |
|------------------|----------------------|----------------------|
| CDM-Tm 20/35W    | <b>FAS-C20-35-W</b>  | <b>FAS-C20-35-M</b>  |
| Circo Fast 190   | Wide Reflector       | Medium Reflector     |
| CDM-T 35/70/150W | <b>FAS-C35-150-W</b> | <b>FAS-C35-150-M</b> |
| SON WHITE 100W   | <b>FAS-S100-W</b>    | –                    |
| Gearbox          |                      | HF                   |
| CDM-Tm 20W       |                      | <b>GB-C20TME-P</b>   |
| CDM-Tm 35W       |                      | <b>GB-C35TME-P</b>   |
| CDM 35W          |                      | <b>GB-C35E-P</b>     |
| CDM 70W          |                      | <b>GB-C70E-P</b>     |
| CDM 150W         |                      | <b>GB-C15E-P</b>     |
| SON WHITE 100W   |                      | <b>GB-S100E-P</b>    |

## PHOTOMETRIC PERFORMANCE

| 70W CDM-T  |       |     | 70W CDM-T |      |     | 20W CDM-Tm |      |     | 20W CDM-Tm |      |     |
|------------|-------|-----|-----------|------|-----|------------|------|-----|------------|------|-----|
| M          | 70W   | Ø   | M         | 70W  | Ø   | M          | 20W  | Ø   | M          | 20W  | Ø   |
| 1.0m       | 13296 | 0.7 | 1.0m      | 5198 | 1.4 | 1.0m       | 6187 | 0.5 | 1.0m       | 1279 | 1.3 |
| 2.0m       | 3324  | 1.4 | 2.0m      | 1300 | 2.8 | 2.0m       | 1547 | 0.9 | 2.0m       | 320  | 2.7 |
| 3.0m       | 1477  | 2.2 | 3.0m      | 578  | 4.3 | 3.0m       | 687  | 1.4 | 3.0m       | 142  | 4.0 |
| 4.0m       | 831   | 2.9 | 4.0m      | 325  | 5.7 | 4.0m       | 387  | 1.9 | 4.0m       | 80   | 5.4 |
| Medium 40° |       |     | Wide 71°  |      |     | Medium 26° |      |     | Wide 68°   |      |     |

## DIMENSIONS



| Version        | H   | Ø   | CAØ | KG  |
|----------------|-----|-----|-----|-----|
| Circo Fast 125 | 133 | 125 | 118 | 1.8 |
| Circo Fast 190 | 203 | 190 | 175 | 2.4 |

## TO SPECIFY

Circo Fast 125  
Directional downlighter for 20W or 35W CDM-Tm. Die cast aluminium body with white 126mm Ø bezel and specular aluminium reflector giving medium (40°) or wide (71°) distribution – as Whitecroft Lighting CIRCO FAST 125

Circo Fast 190  
Directional downlighter for 35/70/150W CDM-T or 100W STH lamp. Die cast aluminium body with white 188mm Ø bezel and specular aluminium reflector giving medium (40°) or wide (71°/CDM/62°/SON) distribution – as Whitecroft Lighting CIRCO FAST 190





# LDR downlighters

LED/low voltage downlighter

## Optics

- Lamp options:
  - TH 20-50W
  - LED 3 x 1W/3 x 3W
- Low voltage downlighters for use with LED or GU5.3 dichroic lamps

## Body

- Sizes and options:
  - Micro 82mm Ø
  - Micro tilt 95mm Ø
  - Micro IP65 82mm Ø with opaque glass front
  - Mini 130mm Ø
- Die cast aluminium body
- Bezel finished white or chrome
- TH version supplied complete with dimmable electronic transformer to run up to 50W lamp
- LED version: 3-9W driver supplied separately
- For ceiling thickness:
  - 3.0mm to 17mm
- Mini is available with 3 hour emergency pack



## PHOTOMETRIC PERFORMANCE

### 50W DICHROIC 12V 50MM Ø

angle 36°

| HGT  | LUX  | Ø    |
|------|------|------|
| 1.0m | 1800 | 0.9m |
| 2.0m | 450  | 1.3m |
| 3.0m | 200  | 2.0m |
| 4.0m | 110  | 2.6m |

## PHOTOMETRIC PERFORMANCE (IP65)

### 50W DICHROIC 12V 50MM Ø

angle 36°

| HGT  | LUX  | Ø    |
|------|------|------|
| 1.0m | 1440 | 0.9m |
| 2.0m | 360  | 1.3m |
| 3.0m | 160  | 2.0m |
| 4.0m | 88   | 2.6m |

# LDR LED micro tilt

> weblink > **LDRL**

## ORDER CODES

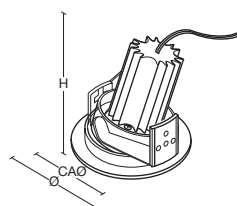
| LDR LED Micro Tilt                           | Finish | Spot Lens          | Flood Lens          |
|----------------------------------------------|--------|--------------------|---------------------|
| 3 x 1W White                                 | White  | <b>LDRLEDWS31W</b> | <b>LDRLEDWF31W</b>  |
| 3 x 1W White                                 | Chrome | <b>LDRLEDWS31C</b> | <b>LDRLEDWF31C</b>  |
| 3 x 1W RGB                                   | White  | –                  | <b>LDRLEDRGB31W</b> |
| 3 x 1W RGB                                   | Chrome | –                  | <b>LDRLEDRGB31C</b> |
| 3 x 3W White                                 | White  | <b>LDRLEDWS33W</b> | <b>LDRLEDWF33W</b>  |
| 3 x 3W White                                 | Chrome | <b>LDRLEDWS33C</b> | <b>LDRLEDWF33C</b>  |
| 3 x 3W RGB                                   | White  | –                  | <b>LDRLEDRGB33W</b> |
| 3 x 3W RGB                                   | Chrome | –                  | <b>LDRLEDRGB33C</b> |
| Driver (for white)                           |        | 9W Driver          | <b>CNPLU/7003-9</b> |
| Driver (for RGB)                             |        | 18W RGB Driver     | <b>CNRGBOX</b>      |
| Dimmable Driver (for white)                  |        | 18W Driver         | <b>CNPLD/1-16</b>   |
| See page 47 for RGB control specification    |        |                    |                     |
| Junction box for series connection (for RGB) |        |                    | <b>CNJB3</b>        |



## PHOTOMETRIC PERFORMANCE

Due to the continual development in LED technology, please contact our technical department for up to date photometric data

## DIMENSIONS



| Ø  | CAØ | H   | KG  |
|----|-----|-----|-----|
| 95 | 80  | 100 | 0.4 |

## TO SPECIFY

Recessed directional white or RGB LED downlight with 95mm diameter die cast white bezel, aluminium body and LED surround. Beam angle to be 5° – 50°, to accommodate ceiling thicknesses of 3 – 17mm – as Whitecroft Lighting LDR LED MICRO TILT

# concert fire

> weblink > **CONF**

## ORDER CODES

### Concert Fire

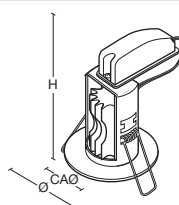
|                        |                   |                 |
|------------------------|-------------------|-----------------|
| 3 x 2.7W Neutral White | Straight to mains | <b>CNFIRENW</b> |
|------------------------|-------------------|-----------------|



## PHOTOMETRIC PERFORMANCE

Due to the continual development in LED technology, please contact our technical department for up to date photometric data

## DIMENSIONS



| Ø  | CAØ | H   | KG  |
|----|-----|-----|-----|
| 91 | 65  | 109 | 0.4 |

## TO SPECIFY

Recessed fixed silver aluminium fire rated LED downlight in neutral white with Flood Lens – as Whitecroft Lighting CONCERT FIRE

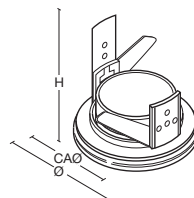
# LDR mini

> weblink > **LDRM**

## ORDER CODES

| LDR Mini | Standard | 3 hr Emergency |
|----------|----------|----------------|
| White    | LDR9202  | LDR92E2        |
| Chrome   | LDR9205  | LDR92E5        |

## DIMENSIONS



| H   | Ø   | CAØ | KG  | KG  |
|-----|-----|-----|-----|-----|
| 100 | 130 | 105 | 0.3 | 0.4 |



## TO SPECIFY

Recessed low voltage downlight with die cast aluminium ceiling bezel supplied complete with dimmable electronic transformer. Optional emergency version – as Whitecroft Lighting LDR MINI

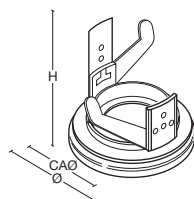
# LDR micro/micro tilt

> weblink > **LDRC**

## ORDER CODES

| LDR Micro  | Finish |         |
|------------|--------|---------|
| Micro      | White  | LDR9102 |
| Micro      | Chrome | LDR9105 |
| Micro Tilt | White  | LDR9172 |
| Micro Tilt | Chrome | LDR9175 |

## DIMENSIONS



| Version    | H   | Ø  | CAØ | KG  |
|------------|-----|----|-----|-----|
| Micro      | 100 | 82 | 72  | 0.3 |
| Micro Tilt | 100 | 95 | 80  | 0.3 |



## TO SPECIFY

Recessed low voltage downlight with die cast aluminium ceiling bezel supplied complete with dimmable electronic transformer – as Whitecroft Lighting LDR MICRO

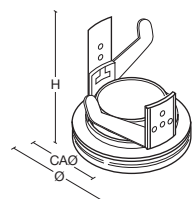
# LDR IP65

> weblink > **LDRI**

## ORDER CODES

| LDR IP65 |              |
|----------|--------------|
| White    | LDR9102-IP65 |
| Chrome   | LDR9105-IP65 |

## DIMENSIONS



| H   | Ø  | CAØ | KG  |
|-----|----|-----|-----|
| 100 | 82 | 72  | 0.5 |



## TO SPECIFY

Recessed low voltage downlight with bezel Ø <82mm and depth <100mm. Die cast aluminium body complete with dimmable electronic transformer. IP65 from below ceiling – as Whitecroft Lighting LDR IP65