

# echo 280

architectural low bay  
pendant luminaire



## Optics

- Lamp options:
  - 1 x 17W PL-R
  - 1 x 26W TC-T
  - 1 x 57W TC-T
  - 3 x 26W TC-T
  - 70W or 150W HIPE high output open fixture rated Venture ceramic metal halide with superior lumen maintenance
- Clear, opal and metalised prismatic refractor or metal reflector options

## Body

- Two piece cast aluminium body finished grey
- Simple screw removal allows access to the gear housing for efficient installation or maintenance
- Body supplied complete with an adjustable twin wire suspension kit (up to 3.0m drop)
- 3 point key holes allow for rapid onsite assembly of the body and reflector / refractor
- Body and reflector / refractor to be ordered separately
- Ceiling rose can be used on all products but is supplied as standard with the emergency product

# echo 280

## Order Codes

| Echo 280        | Standard    | 3 hr Emergency |
|-----------------|-------------|----------------|
| PL-R 1 x 17W    | EC280-F17H  | EC280-F17HEM   |
| TC-T 1 x 26W HF | EC280-F26H  | EC280-F26HEM   |
| TC-T 1 x 57W HF | EC280-F57H  | -              |
| TC-T 3 x 26W HF | EC280-F326H | EC280-F326HEM  |
| HIPE 1 x 70W    | EC280-C70H  | -              |
| HIPE 1 x 150W   | EC280-C150H | -              |

## Accessories

|                          |             |
|--------------------------|-------------|
| Clear Refractor          | EC30        |
| Part Metalised Refractor | EC30PRTMET  |
| Metal Reflector          | EC30REFLC   |
| Opal Refractor           | EC30PAL     |
| Ceiling Rose Kit         | EC80CEILKIT |

## Options

|              |                  |                 |
|--------------|------------------|-----------------|
| DALI DIMMING | Replace H with Y | i.e. EC280-F17Y |
|--------------|------------------|-----------------|

Note: Dimming versions not available with HIPE 1 x 70W / 1 x 150W  
Ceiling rose kit is supplied as standard with emergency products



Opal Prismatic Refractor



Part Metalised Prismatic Refractor



Clear Prismatic Refractor



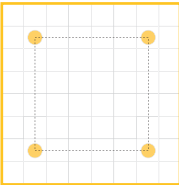
Metal Reflector



Ceiling Suspension Kit

## Performance Guide

| Lamps        | Illuminance | Spacing     |
|--------------|-------------|-------------|
| 3 x 26W TC-T | 275 lux     | 3.0m x 3.0m |

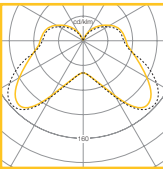


Maintenance:  
0.8  
Reflectance:  
70/50/20  
Ceiling Height:  
6.0m  
Working Plane:  
0.0m

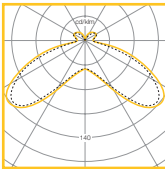
## Lamp Performance

| Wattage       | IL@25°C | Lamp Life |
|---------------|---------|-----------|
| 1 x 17W PL-R  | 1250    | 24,000hrs |
| 1 x 26W TC-T  | 1800    | 13,000hrs |
| 1 x 57W TC-T  | 4300    | 13,000hrs |
| 1 x 70W HIPE  | 5000    | 15,000hrs |
| 1 x 150W HIPE | 12600   | 15,000hrs |

## Photometric Performance



3 x 26W TC-T  
Clear Prismatic  
Refractor  
• LOR = 93.4%  
• SHR MAX = 2.69



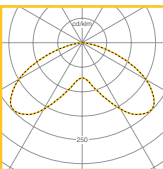
3 x 26W TC-T  
Part Metalised  
Refractor  
• LOR = 80.5%  
• SHR MAX = 1.33

### 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 0.73 0.82 |

### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.42 0.69 0.77 |

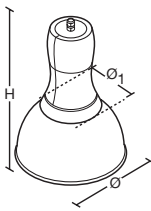


3 x 26W TC-T  
Metal Reflector  
• LOR = 83.1%  
• SHR MAX = 2.69

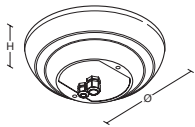
### Utilisation Factors UF(F)

| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.48 0.77 0.84 |

## Dimensions



| Ø   | Ø1  | H   | KG  | KG  |
|-----|-----|-----|-----|-----|
| 315 | 180 | 442 | 3.8 | 5.3 |



| Ø   | H   | KG  |
|-----|-----|-----|
| 255 | 100 | 1.0 |

## To Specify

Suspended architectural low bay luminaire with two piece extruded aluminium gear housing, with clear /opal / part metalised refractor or aluminium reflector – as Whitecroft Lighting ECHO 280