



# orbit

recessed directional cluster spotlight

## Optics

- Recessed 1,2,3 or 4 lamps in line and 4 lamps 2 x 2 square
- 35W and 70W CDM-T with G12 lamp base or AR111 12V 100W tungsten halogen with G5.3 lamp base
- Highly polished anodised aluminium reflectors
- Reflector beam angles – spot, medium and flood for a broad range of accent lighting effects with CDM-T options

## Body

- Cast aluminium Gimbal finished in silver
- Steel frame finished in silver
- Steel canopy finished in black
- Remote gearbox or transformer must be ordered separately. Plug and socket connection to luminaire



## ORDER CODES

### Orbit – CDMT lamps

|             |             |
|-------------|-------------|
| Single      | ORB-1LR-##  |
| Twin        | ORB-2LR-##  |
| Triple      | ORB-3LR-##  |
| Linear Quad | ORB-4LR-##  |
| Quad        | ORB-4SQR-## |

### Reflector Options

|                        |                                         |                         |
|------------------------|-----------------------------------------|-------------------------|
| SPOT REFLECTOR (11°)   | Replace ## with <b>11</b> in order code | i.e. ORB-1LR- <b>11</b> |
| MEDIUM REFLECTOR (20°) | Replace ## with <b>12</b> in order code | i.e. ORB-1LR- <b>12</b> |
| FLOOD REFLECTOR (48°)  | Replace ## with <b>13</b> in order code | i.e. ORB-1LR- <b>13</b> |

### Orbit – AR111 12V Lamps

|             |              |
|-------------|--------------|
| Single      | ORB-1LR-1LV  |
| Twin        | ORB-2LR-1LV  |
| Triple      | ORB-3LR-1LV  |
| Linear Quad | ORB-4LR-1LV  |
| Quad        | ORB-4SQR-1LV |

### Control Gear (Order separately for each lampway)

|                                     |           |
|-------------------------------------|-----------|
| 1 x 35W CDMT Remote Electronic Gear | GB-C35E-P |
| 1 x 70W CDMT Remote Electronic Gear | GB-C70E-P |
| 1 x 100W AR111 Transformer          | WEDT105   |

## LAMP PERFORMANCE

| Wattage        | IL@25°C | Lamp Life |
|----------------|---------|-----------|
| 1 x 35W CDM-T  | 3300    | 12,000hrs |
| 1 x 70W CDM-T  | 6600    | 12,000hrs |
| 1 x 100W LV TH | 2000    | 2,000hrs  |

## PHOTOMETRIC PERFORMANCE

| Orbit angle 11°<br>CDM SPOT REFLECTOR |       |       |      | Orbit angle 20°<br>CDM MEDIUM REFLECTOR |      |       |      | Orbit angle 48°<br>CDM FLOOD REFLECTOR |     |      |      |
|---------------------------------------|-------|-------|------|-----------------------------------------|------|-------|------|----------------------------------------|-----|------|------|
| LUX                                   |       |       |      | LUX                                     |      |       |      | LUX                                    |     |      |      |
| MH                                    | 35W   | 70W   | Ø    | MH                                      | 35W  | 70W   | Ø    | MH                                     | 35W | 70W  | Ø    |
| 1.0m                                  | 12300 | 24600 | 0.30 | 1.0m                                    | 7500 | 15000 | 0.35 | 1.0m                                   | 730 | 1460 | 0.90 |
| 2.0m                                  | 3075  | 6150  | 0.60 | 2.0m                                    | 1875 | 3760  | 0.70 | 2.0m                                   | 183 | 365  | 1.80 |
| 3.0m                                  | 1370  | 2740  | 0.90 | 3.0m                                    | 830  | 1760  | 1.05 | 3.0m                                   | 81  | 162  | 2.65 |
| 4.0m                                  | 770   | 1540  | 1.20 | 4.0m                                    | 470  | 940   | 1.40 | 4.0m                                   | 46  | 91   | 3.55 |



Single



Twin



Triple

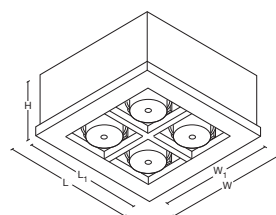


Linear Quad



Quad

## DIMENSIONS



| Type        | L   | W   | H   | L <sub>1</sub> | W <sub>1</sub> | KG  |
|-------------|-----|-----|-----|----------------|----------------|-----|
| Single      | 230 | 202 | 162 | 210            | 162            | 2.5 |
| Twin        | 376 | 202 | 162 | 355            | 162            | 2.5 |
| Triple      | 520 | 202 | 162 | 500            | 162            | 3.0 |
| Quad        | 420 | 414 | 162 | 400            | 374            | 3.5 |
| Linear Quad | 665 | 202 | 162 | 644            | 162            | 3.0 |
| Gearbox     | 175 | 90  | 40  | -              | -              | 0.4 |

## TO SPECIFY

Recessed Gimbal directional cluster spotlight with cast aluminium Gimbals and 0.8mm rigid, 162 mm deep mild steel canopy and frame and remote gearbox with plug and socket connection. Reflector options (spot, medium and flood) to be spring retained – as Whitecroft Lighting ORBIT