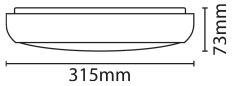
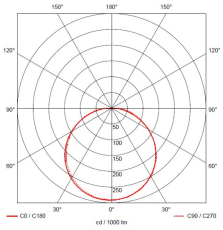
# Spec Sheet CHA18SD





## Chara

Chara white IP65 bulkhead opal diffuser switchable power CCT step dim microwave sensor

**DESCRIPTION**

Offering 3 selectable power levels and 3 selectable colour temperatures, this versatile range offers the ultimate in practicality and multiple options from a single product. Suitable for interior or exterior installation the range of accessories ensures suitability for functional or decorative applications

**FEATURES**

- Full white trim included
- Hinged LED array & push fit terminal block
- Power Selectable 9W, 14W and 18W
- Colour temperature selectable 3000K, 4400K & 6500K
- IK10 rated
- Central BESA box mounting option on the base
- 3 Installer modes Standard On/Off, Corridor Mode and Corridor & Off Mode
- Daylight Sensor adjustable: 10 lux / disable
- Detection Sensitivity adjustable: 50% / 100%
- Detection angle: 30~150°

| GENERAL INFORMATION | | | |
|---|---|---|---|
| **Light Source** | LED | **Colour / Finish** | White |
| **Application** | Internal/External | **Mounting Type** | Surface |
| **Product Warranty** | 5 Years | **Net Weight** | 0.78 kg |
| **Energy Efficiency Class** | D | | |

| TECHNICAL INFORMATION | | | |
|---|---|---|---|
| **Nominal Voltage** | 240 | **Frequency** | 50Hz |
| **Class Protection** | 2 | **Operating Temperature (Min)** | -20 °C |
| **Operating Temperature (Max)** | 45 °C | **Average Rated Life** | 50,000 h |
| **Number of switching cycles** | 25,000 | **Construction Materials Line 1** | Polycarbonate |
| **Construction Materials Line 2** | ABS | **Dimensions - Height** | 315 mm |
| **Dimensions - Width** | 315 mm | **Dimensions - Depth** | 73 mm |
| **IK Rating** | IK10 | **IP Rating** | IP65 |

| PRODUCT INFORMATION | | | |
|---|---|---|---|
| **Wattage Combined** | 9W / 14W / 18W | **CCT Combined** | 3000K / 4400K / 6500K |
| **Luminaire Lumens Combined** | 1010 - 2150 lm | **lm/W Combined** | 112 - 119 lm/w |
| **Beam Angle** | 120° | **CRI** | 80 |
| **SDCM** | <6 | **Lumen Maintenance** | 0.7 |

**UK Sales:** 01933 673344 | E: sales@eterna-lighting.co.uk
**IE Sales:** +353 1 844 6300 | E: sales@eterna-lighting.ie

Registered In England No. 410716 VAT Reg. No. GB 229 3783 37
Registered In Ireland No. 018423 VAT Reg. No. IE 8R73602D

# Spec Sheet CHA18SD

| | | | |
|---|---|---|---|
| **Lighting Technology used** | LED | **Non-Directional or Directional** | NDLS |
| **Mains or non-mains** | MLS | **Connected light source (CLS)** | FALSE |
| **Colour tuneable light source** | FALSE | **High Luminance light source** | FALSE |
| **Anti Glare shield** | FALSE | **Dimmable** | Not Dimmable |
| **Correlated Colour temperature type** | STEPS | **Chromaticity coordinates x** | 0.364 |
| **Chromaticity coordinates y** | 0.366 | **Stroboscopic effect metric (SVM)** | 0.1 |
| **Flicker Metric (pst)** | 0.1 | **R9 colour rendering index** | 42.0 |
| **Survival factor @6000hrs** | 0.9 | **Claim LED Replace Fluorescent** | FALSE |
| **Spectrum report available** | Yes | **Displacement Factor** | 0.92 |
| **CCT1/WATT1: Rated Peak Intensity** | 286 cd | **CCT1/WATT2: Rated Peak Intensity** | 432 cd |
| **CCT1/WATT3: Rated Peak Intensity** | 611 cd | **CCT2/WATT1: Rated Peak Intensity** | 305 cd |
| **CCT2/WATT2: Rated Peak Intensity** | 482 cd | **CCT2/WATT3: Rated Peak Intensity** | 598 cd |
| **CCT3/WATT1: Rated Peak Intensity** | 296 cd | **CCT3/WATT2: Rated Peak Intensity** | 456 cd |
| **CCT3/WATT3: Rated Peak Intensity** | 586 cd | | |

5 Year Warranty

IP65

IK10

Colour Temp. Selectable

Power Selectable

**UK Sales:** 01933 673344 | E: sales@eterna-lighting.co.uk
**IE Sales:** +353 1 844 6300 | E: sales@eterna-lighting.ie

Registered In England No. 410716 VAT Reg. No. GB 229 3783 37
Registered In Ireland No. 018423 VAT Reg. No. IE 8R73602D

eterna.

5 Year Warranty

IP65

IK10

Colour Temp. Selectable

Power Selectable

| PHOTOMETRICS | | | | | |
|---|---|---|---|---|---|
| **Product Code** | **Product Type** | **Watts** | **CCT** | **Luminaire lumens** | **Lm/W** |
| **CHA18STD** | Standard | 9 W | 3000 K | 1010 lm | 112 lm/W |
| | | | 4400 K | 1140 lm | 127 lm/W |
| | | | 6500 K | 1120 lm | 124 lm/W |
| | | 14 W | 3000 K | 1530 lm | 109 lm/W |
| | | | 4400 K | 1690 lm | 121 lm/W |
| | | | 6500 K | 1680 lm | 120 lm/W |
| | | 18 W | 3000 K | 1900 lm | 106 lm/W |
| | | | 4400 K | 2230 lm | 124 lm/W |
| | | | 6500 K | 2150 lm | 119 lm/W |
| **CHA18MW** | On / Off Microwave, White, Full Trim | 9 W | 3000 K | 1010 lm | 112 lm/W |
| | | | 4400 K | 1140 lm | 127 lm/W |
| | | | 6500 K | 1120 lm | 124 lm/W |
| | | 14 W | 3000 K | 1530 lm | 109 lm/W |
| | | | 4400 K | 1690 lm | 121 lm/W |
| | | | 6500 K | 1680 lm | 120 lm/W |
| | | 18 W | 3000 K | 1900 lm | 106 lm/W |
| | | | 4400 K | 2210 lm | 123 lm/W |
| | | | 6500 K | 2150 lm | 119 lm/W |
| **CHA18EM3** | Emergency, White, Full Trim | 9 W | 3000 K | 1011 lm | 112 lm/W |
| | | | 4400 K | 1140 lm | 127 lm/W |
| | | | 6500 K | 1120 lm | 124 lm/W |
| | | 14 W | 3000 K | 1530 lm | 109 lm/W |
| | | | 4400 K | 1690 lm | 121 lm/W |
| | | | 6500 K | 1680 lm | 120 lm/W |
| | | 18 W | 3000 K | 1900 lm | 106 lm/W |
| | | | 4400 K | 2210 lm | 123 lm/W |
| | | | 6500 K | 2150 lm | 119 lm/W |
| **CHA18MW3** | Emergency, On / Off Microwave, White, Full Trim | 9 W | 3000 K | 1010 lm | 112 lm/W |
| | | | 4400 K | 1140 lm | 127 lm/W |
| | | | 6500 K | 1120 lm | 124 lm/W |
| | | 14 W | 3000 K | 1530 lm | 109 lm/W |
| | | | 4400 K | 1690 lm | 121 lm/W |
| | | | 6500 K | 1680 lm | 120 lm/W |
| | | 18 W | 3000 K | 1900 lm | 106 lm/W |
| | | | 4400 K | 2210 lm | 123 lm/W |
| | | | 6500 K | 2150 lm | 119 lm/W |
| **CHA18SD** | Step Dim Microwave | 9 W | 3000 K | 1010 lm | 112 lm/W |
| | | | 4400 K | 1140 lm | 127 lm/W |
| | | | 6500 K | 1120 lm | 124 lm/W |
| | | 14 W | 3000 K | 1530 lm | 109 lm/W |
| | | | 4400 K | 1690 lm | 121 lm/W |
| | | | 6500 K | 1680 lm | 120 lm/W |
| | | 18 W | 3000 K | 1900 lm | 106 lm/W |
| | | | 4400 K | 2210 lm | 123 lm/W |
| | | | 6500 K | 2150 lm | 119 lm/W |
| **CHA18SDEM3** | Emergency, Step Dim Microwave | 9 W | 3000 K | 1010 lm | 112 lm/W |
| | | | 4400 K | 1140 lm | 127 lm/W |
| | | | 6500 K | 1100 lm | 122 lm/W |
| | | | 3000 K | 1530 lm | 109 lm/W |

| | | | | | |
|---|---|---|---|---|---|
| | | 14 W | 4400 K | 1690 lm | 121 lm/W |
| | | | 6500 K | 1680 lm | 120 lm/W |
| | | 18 W | 3000 K | 1900 lm | 106 lm/W |
| | | | 4400 K | 2230 lm | 124 lm/W |
| | | | 6500 K | 2150 lm | 119 lm/W |

| ACCESSORIES | | |
|---|---|---|
| **Product Code** | **Description** | **MOM / OPQ** |
| CHAEYEBK | Black Eyelid Trim for CHA18 Range | 1 / 50 |
| CHAEYEGY | Grey Eyelid Trim for CHA18 Range | 1 / 50 |
| CHAEYEWH | White Eyelid Trim for CHA18 Range | 1 / 50 |
| CHAFULLBK | Full Black Trim for CHA18 Range | 1 / 50 |
| CHAFULLCR | Full Chrome Trim for CHA18 Range | 1 / 50 |

| PACKAGING | |
|---|---|
| **Packaging Type** | Colour Box |
| **Individual unit gross weight** | 928 g |
| **Pallet Layer Qty** | 60 |
| **Pallet Layers** | 3 |
| **Pallet Qty** | 180 |
| **MOM / OPQ** | 1 / 10 |

5 Year Warranty

IP65

IK10

Colour Temp. Selectable

Power Selectable

**UK Sales:** 01933 673344 | E: sales@eterna-lighting.co.uk
**IE Sales:** +353 1 844 6300 | E: sales@eterna-lighting.ie

Registered In England No. 410716 VAT Reg. No. GB 229 3783 37
Registered In Ireland No. 018423 VAT Reg. No. IE 8R73602D