



Echo III

Echo III Sensor 100W/120W/150W LED Circular Suspended High Bay Luminaire with Emergency and Sensor options

Echo III - Wattage Switchable 100W/120W/150W•Class I, IP65, IK10•High efficiency of up to 145lm/•Dimmable when used with sensor and remote control• aluminium body•Suspension installation•Surge protection•Long life of 40,000h•Instant start•Negligible UV output•Optional emergency module•Optional remote-control PIR sensor with stand-by dimming and daylight threshold •Optional polycarbonate or aluminium shade

ECH3150-W50/S (Draft) (06874)

Specification

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|-------------------------------------|----------------------|
| Voltage | 100-240Vac 50/60Hz |
| Current (mA) | 680 (450, 530) |
| Rated Power (W) | 150 (100, 120) |
| CCT Words | Day Light |
| CCT (K) | 5000 |
| Total Luminous Flux (lm) | 21750 (14500, 17400) |
| Beam Angle(°) | 90° |
| Nominal Lifetime (h) | 40000 |
| L70B50 Lifetime (h) | 54000 |
| L80B10 Lifetime (h) | 54000 |
| L90 Lifetime (h) | 31000 |
| Blue Light Hazard | RG1 |
| Glow wire temperature(°C) | 650 |
| Power Factor | 0.98 (0.96, 0.96) |
| Dimensions L x W x D (mm) | 164*φ259mm |
| Ambient Temperature Range (°C) | -20 to 40 |
| Weight (kg) | 2.8 |
| In-rush current (peak/duration) (A) | 100 A /300 us |
| Protection Rating | Class I |
| IK Rating | IK10 |
| IP Rating | IP65 |
| Emergency Luminous Flux (lm) | 900 |

Light Source Specification

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| Lighting Technology Used | LED |
| Directional / Non Directional (DLS/NDLS) | DLS |
| Light Source Cap Type (or other interface) | Wires |
| Mains / Non-Mains (MLS/NMLS) | NMLS |
| Connected Light source (Y/N) | N |

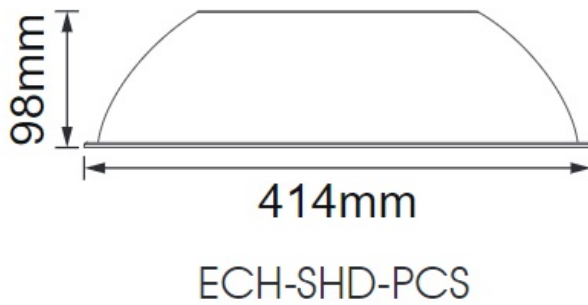
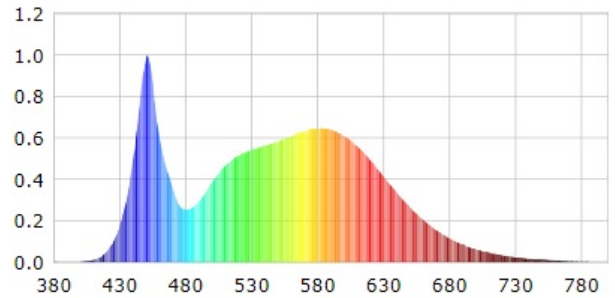
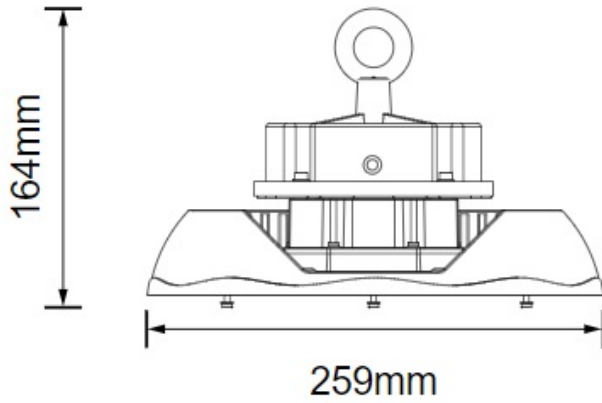
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| Colour Tunable Light Source (Y/N) | N |
| High Luminance Light Source (Y/N) | N |
| Anti-Glare Shield (Y/N) | N |
| Dimmable (Y/N/Specific dimmer) | N |
| Energy Consumption in on-mode (kWh/1000H) | 140 |
| Energy Efficiency Class | D |
| Useful Luminous Flux (lm) | 19000 |
| Beam Angle correspondence (in 360°/120°/90°) | in 120° |
| CCT | 5000 |
| On-Mode Power (Pon) (W) | 140 |
| Standby Power (Psb) (W) | 0 |
| Networked Standby Power (Pnet) (W) | N/A |
| CRI | 82 |
| CRI (min) | 80 |
| CRI (max) | 84 |
| Height (mm) | 64 |
| Width (mm) | 259 |
| Depth (mm) | 259 |
| Claim of Equivalent Power? (Y/N) | N |
| Equivalent Power (W) | N/A |
| Chromaticity Co-Ordinates (X) | 0.344 |
| Chromaticity Co-Ordinates (Y) | 0.358 |
| Peak Luminous Intensity (DLS) (cd) | 10800 |
| Beam Angle (DLS) | 90 |
| Beam Angle (min)(DLS) | 85 |
| Beam Angle (max) (DLS) | 95 |
| R9 CRI (LED/OLED) | -10 |
| Survival Factor (x.xx) | 0.9 |
| Lumen Maintenance Factor (x.xx) | 0.96 |
| Displacement Factor | N/A |

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| Colour Consistency in Mcadam Ellipses (Mains LED/OLED) | N/A |
| LED light source replaces flourescent withouth integrated ballast of particular wattage (Mains LED/OLED) (Y/N) | N/A |
| Replacement W Claim (Mains LED/OLED) (W) | N/A |
| Flicker metric (pst LM) (x,x) | N/A |
| Storboscopic effect metric (SVM) (x,x) | N/A |
| Light Source Supply | 215Vdc 650mA |

Optional Gears and Accessories

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| Optional Gears 1 | High Bay EME Module: EMHB08 |
| Optional Gears 2 | High Bay Self Test EME Module: EMHB08/ST |
| Optional Gears 3 | Remote Control: ECH-RMT |
| Accessories 1 | PC Shade: ECH-SHD-PCS |

Technical Drawings



ECH-SHD-PCS