

**7 Years**  
Product Warranty  
UK Only

**2 Years**  
On-Site Warranty  
Main-land UK Only



# Echo 3

08049 ECH3200-W50/DA

## Echo 3 DALI Circular Highbay 200W 5000K

- High efficiency of 170lm/W
- Diecast aluminium
- Dimmable via a wired 1-10v dimmer switch
- IP65 & vandal resistant (IK10)
- Optional reflectors on all models
- Wattage switching at the side of high bay
- Optional plug-in emergency modules, available in manual, self-test and DALI
- Optional plug-in microwave corridor sensor compatible with Uni-Remote



## Overview

The Echo 3 provides a high efficiency of 145lm/W or a range of wattage options and 1-10v dimming for further control. The IP65 rating and range of shades means the Echo III is suited for a range of areas both internal and external, with optional emergency gear if needed.



IP65



## General Information

|                                |                       |
|--------------------------------|-----------------------|
| Ambient Temperature Range (°C) | -20°C to 50°C         |
| IK Rating                      | IK10                  |
| IP Rating                      | IP65                  |
| Protection Rating              | Class I               |
| Installation Area              | Internal and External |
| L80B10 Lifetime (h) @Ta 25 °C  | 87,000 h              |

## Compliance

|        |                                                                                                     |
|--------|-----------------------------------------------------------------------------------------------------|
| LVD    | EN 60598-1:2024, EN 60598-2-1:2021, EN 62493:2015+A1:2022                                           |
| EMC    | EN 55015:2019+A11:2020, EN 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 61547:2023 |
| Others | UKCA, CE, RoHS, WEEE                                                                                |

## Technical Summary

|                                    |                    |
|------------------------------------|--------------------|
| Product Code                       | ECH3200-W50/DA     |
| Input Voltage Supply               | 100-240Vac 50/60Hz |
| Inrush Current (peak/duration) (A) | 100A/300µs         |
| Default Power                      | 200 W              |
| Driver Code/Part number            | Sosen              |
| Power Factor                       | 0.98               |
| Default CCT                        | 5,000 K            |
| SDCM of CCT                        | <6                 |
| CRI                                | ≥82                |
| Dimmable                           | N                  |
| Flicker                            | <1%                |
| Lumens Output Maximum              | 30,000 lm          |
| Maximum Efficiency                 | 150 lm/W           |
| Emergency Luminous Flux            | 900 lm             |
| L70B50 Lifetime (h) @Ta 25 °C      | 138,000 h          |
| L80B10 Lifetime (h) @Ta 25 °C      | 87,000 h           |
| L90B10 Lifetime (h) @Ta 25 °C      | 41,000 h           |
| Nominal Lifetime (h)               | 50,000 h           |
| Glow wire temperature(°C)          | 650                |
| Blue Light Hazard                  | RG1                |
| Weight                             | 2.55Kg             |
| Dimensions (L x W x D) (mm)        | 164xØ298           |
| Beam Angle - Lumi (°)              | 90                 |
| LS Energy Efficiency Class         | D                  |

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## Optional Gear

| Product Code | Description                                        | Type                       |
|--------------|----------------------------------------------------|----------------------------|
| EMHB08       | Emergency Module 8W Manual for Kosnic Highbays     | Emergency Module           |
| EMHB08/ST    | Emergency Module 8W Self-test for Kosnic Highbays  | Self-test Emergency Module |
| EMHB10       | Emergency Module 10W Manual for Kosnic Highbays    | Emergency Module           |
| EMHB10/ST    | Emergency Module 10W Self-test for Kosnic Highbays | Self-test Emergency Module |
| EMHB10/DA    | Emergency Module 10W DALI for Kosnic Highbays      | Emergency Module           |

## Accessories

| Product Code | Description                                                   | Type  |
|--------------|---------------------------------------------------------------|-------|
| ECH-SHD-AL   | Echo aluminium shade for ECHP160, ECHP200, ECH3P200           | Shade |
| ECH-SHD-PC   | Echo, PC bell-shaped shade for ECH150, ECH200                 | Shade |
| ECH-LID      | Echo Translucent bottom enclosure Ø404 x 40 mm for ECH-SHD-PC | Shade |

| Settable (Default in Bold) |                 | Variable                  |                          |              |                     |
|----------------------------|-----------------|---------------------------|--------------------------|--------------|---------------------|
| CCT (K)                    | Rated Power (W) | Maximum Current Draw (mA) | Total Luminous Flux (lm) | Power Factor | Light Source Supply |
| 5000                       | 100             | 460                       | 15000                    | 0.95         | 195Vdc 480mA        |
| 5000                       | 150             | 690                       | 22500                    | 0.96         | 195Vdc 720mA        |
| <b>5000</b>                | <b>200</b>      | <b>890</b>                | <b>30000</b>             | <b>0.98</b>  | <b>195Vdc 920mA</b> |

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|                                |                       |
|--------------------------------|-----------------------|
| Ambient Temperature Range (°C) | -20°C to 50°C         |
| IK Rating                      | IK10                  |
| IP Rating                      | IP65                  |
| Nominal Lifetime (h)           | 50,000 h              |
| Protection Rating              | Class I               |
| Installation Area              | Internal and External |

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