

atom

OptiDim™

## AFD05/F/\*\*/CCT

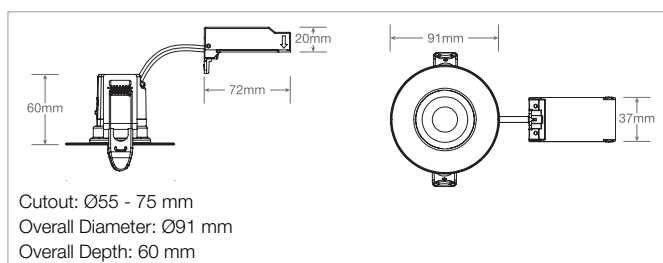
Fixed 5W IP65 CCT Selectable Dimmable LED  
Fire Rated Downlight

### PRODUCT FEATURES

- CCT Selectable
- OptiDim - Advanced Dimming Technology\*
- Loop-in Loop-out Terminals
- Ultra Slim Low Profile Bezel
- Diamond Tec Lens
- IP65 Rated (From Front When Installed)
- Available in Polar White, Carbon Black, Polished Chrome and Satin Nickel†
- Available in Fixed and Adjustable†
- Insulation Coverable
- 30, 60, 90 Minutes Timber Joist Rated
- 30 Minutes Staircraft I-Joist Rated and Metal Web Joist Rated
- Compliant to; Part B - Fire, Part C - Moisture, Part E - Acoustic & Leakage



**Diamondtec**  
The Cutting Edge of LED Optics



### TECHNICAL SPECIFICATIONS

| Product Code                       | AFD05/F/**/CCT                                               |       |       |
|------------------------------------|--------------------------------------------------------------|-------|-------|
| CCT (Kelvin)                       | 3000K                                                        | 4000K | 6000K |
| Luminous Flux (LM)                 | 420LM                                                        | 490LM | 450LM |
| Useful Luminous Flux (LM)          | 320LM                                                        | 370LM | 340LM |
| Peak Intensity (cd)                | 316                                                          | 358   | 345   |
| R9 Colour Rendering Index Value    | 14                                                           | 22    | 4     |
| Beam Angle (°)                     | 60°                                                          |       |       |
| SDCM                               | <6                                                           |       |       |
| CRI                                | ≥80                                                          |       |       |
| Operating Voltage (V)              | 220-240VAC                                                   |       |       |
| Max Output Power (W)               | 5W                                                           |       |       |
| Operating Current (A max)          | 0.024A                                                       |       |       |
| Power Factor (Pf)                  | ≥0.85                                                        |       |       |
| Class                              | I                                                            |       |       |
| Finish                             | Polar White / Carbon Black / Polished Chrome / Satin Nickel† |       |       |
| Body Material                      | Steel & Polymer                                              |       |       |
| Cut out                            | Ø55 - 75mm                                                   |       |       |
| Switching Cycles                   | 10,000                                                       |       |       |
| Ingress Protection                 | IP65                                                         |       |       |
| Ambient Operating Temperature (°C) | -20°C ~ +45°C                                                |       |       |
| Input Frequency (Hz)               | 50/60Hz                                                      |       |       |
| Guarantee                          | 5 Years                                                      |       |       |
| Dimmable                           | Yes                                                          |       |       |
| Dimming Compatibility              | Trailing & Leading                                           |       |       |
| Cable Length                       | 75mm                                                         |       |       |
| Life Time (L70 B50)                | 40,000h                                                      |       |       |
| Survival Factor                    | 1                                                            |       |       |
| Lumen Maintenance Factor           | 99.49%                                                       |       |       |
| Displacement Factor                | 0.89                                                         |       |       |
| Flicker Metric (PstLM)             | 0.073                                                        |       |       |
| Stroboscopic Effect Metric (SVM)   | 0.107                                                        |       |       |

\*When installed with suitable dimmer. †Sold separately.



CCT 3000K 4000K 6000K

