

Falcon Mini



The Falcon Mini is a Ø286mm IP65 rated Highbay which can be supplied in surface or suspended formats. The cast aluminium body acts as a large thermal heatsink for the LED engine giving the luminaire a industrial finish.

Due to its polycarbonate & aluminium moulded construction the Falcon Mini also has an IK10 impact rating making it reliable in environments where damage might occur. The fitting is also available with 3 hour emergency packs and sensor options.

Product

| | |
|-------------|-------|
| Falcon Mini | FAL/M |
|-------------|-------|

Lumen Output

| | |
|----------|--------|
| 14,500lm | /14500 |
| 21,000lm | /21000 |

Colour Temperature

| | |
|-------|-----|
| 3000K | /3K |
| 4000K | /4K |
| 6500K | /6K |

Beam Angle

| | |
|-----------|------|
| 60° Beam | /60 |
| 90° Beam | /90 |
| 110° Beam | /110 |

Mounting

| | |
|--|----|
| Surface mounted with bracket as default | |
| Suspended - 2.0m suspension kit complete with ceiling rose | -S |

Dimming

| | |
|-------------------------|-------|
| Fixed output as default | |
| DALI dimming | -DA |
| 1-10V Dimming | -110V |

Sensor

| | |
|------------------|-----|
| Microwave Sensor | -MS |
|------------------|-----|

Emergency

| | |
|---|-----|
| No emergency facility as default | |
| 3 hour internal pack | -E1 |
| 3 hour internal pack with self-test function | -E2 |
| 3 hour integral pack with DALI reporting function | -E3 |

Lighting Data

| Lumen Output | Wattage | lm/cW |
|--------------|---------|-------|
| 14,493lm | 103.5W | 140.0 |
| 20,991lm | 152.7W | 137.5 |

| | |
|---------------------|-------------------------|
| CCT | 3000K 4000K 6500K |
| Light Source | SMD |
| SDCM | 3 |
| Longevity (L70/B10) | 109,000 Hours |
| Colour Rendering | RA>82 |
| UGR | <19 |

Technical Data

| | |
|------------------------|--------------------------|
| IP Rating | IP65 |
| Construction | Diecast Aluminium |
| RAL colour (standard) | 9005 |
| Mounting Method | Surface 2m Suspension |
| Protective class | 1 |
| Impact Resistance (IK) | IK10 |
| Warranty | 5 Years |
| Certification | UKCA, CE, ROHS |

Electrical Data

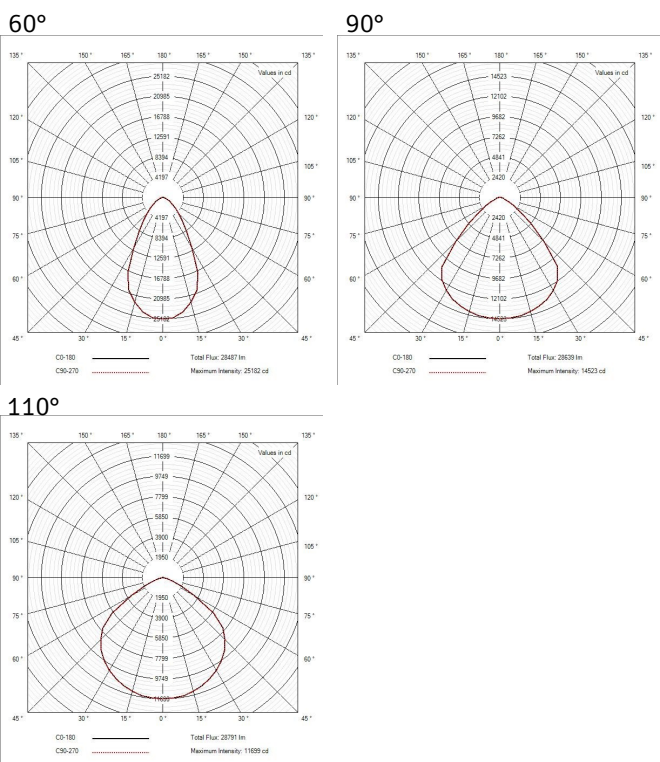
| | |
|----------------------------------|------------|
| Rated Supply Voltage | 220–240 V |
| AC Voltage Range | 90–305 V |
| Mains Frequency | 47/63 Hz |
| Output LF Current Ripple @ 120Hz | <1% |
| Overvoltage Protection | >108% |
| In-rush Current | 65 A |
| THD | <20% |
| Power Factor | 0.95 |
| Parasitic Load | 7.9W |
| Operating Temperature | -40 +85 °C |

Emergency Data

| EOF | Lumen Output |
|-----|--------------|
| 3% | 435 |
| 2% | 419 |

| | |
|-----------------------|----------------------------------|
| Emergency Duration | 3 Hours |
| Recharge Period | 24 Hours |
| Battery Type | LiFePO4 (Lithium Iron Phosphate) |
| Battery Pack | 6.4V 6.0Ah |
| Parasitic Load | 1.5W |
| Operating Temperature | 0–60 °C |
| Power Efficiency | 95% |
| Certification | UKCA, CE, ROHS |

Standard Photometry



Dimensions

| | |
|------------|--------------|
| Dimensions | Ø286 x 147mm |
| Weight | 3.8 kg |

