



# HOVER CORE

Hover Core Highbay

## FEATURES

- Quality highbay delivering highly energy-efficient illumination up to 170lm/W
- 120 degree beam provides broad coverage
- Long-lasting performance with LED lifetime of >60,000 hours
- Designed to function in a range of temperatures, from -30 to 50°C, making it ideal for use in a variety of conditions
- IP65 rating provides exceptional resistance to weather and moisture
- IK08 rated, making it capable of handling the toughest industrial and commercial environments

ORDERING INFORMATION	
Order code	12013
Description	Hover Core 200W Highbay - 170lm/W - CRI80 - 120 degree - 5000K
Driver Type	1-10V dimmable
Item Code	EV-HOVER-CORE-200W-50K

EFFICIENCIES	
Total System Efficiency	170 lm/W
<p>The performance of each component of a luminaire is demonstrated through its efficiencies, which together determine the total system efficiency of the product. The output of the LED chip is first multiplied by the optical and thermal efficiencies to calculate the Luminaire efficiency. However, this calculation does not consider the driver efficiency. To determine the overall efficiency of the system, the Luminaire efficiency must be multiplied by the driver efficiency, which accounts for all losses in the system.</p>	

MECHANICAL	
Body Material	Alluminium alloy
Diffuser Material	Clear plastic
Fitting Colour	Black
IK Rating	IK08
Installation Type	Suspended
IP Rating	IP65

ELECTRICAL	
Electrical Rating	Class I
Input Current	2 A
Input Frequency	50 Hz
Input voltage	230Vac
<p>In Australia the Input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac - 253Vac or 240V +6%</p>	
Maximum Wattage	200 W
Surge Protection L/N-PE	4kV
Surge Protection L-N	4kV
Working Temp Range	-30 to 50 °C

LAMP	
Macadam Steps (SDCM)	5-step MacAdam Ellipse
Beam Angle	120 °
CCT Configuration	Single
CRI	>80

LED LIFETIME	
LED Lifetime	>60000 hrs
<p>This is the Reported LED Lifetime in Hours based on TM-21. Ektor does not list the projected or calculated LED lifetime, which is normally longer as TM-21 Addendum B explicitly states "The Calculated and Projected Lp(Dk) are not to be reported". This Lifetime refers to the life of a single LED however the system life is longer since the probability and binomial distribution of all LEDs in the system means that the average led is performing above the specification and compensates for the LEDs falling below.</p>	
TM-21 Test Hours	10000 hrs



## COLOUR TEMPERATURE

**CCT** 5000 K

**Luminaire Lumens** 34000 lm

All photometric data has a tolerance of  $\pm 10\%$ . Luminaire lumens refers to the exit lumens or delivered lumens from the luminaire.

## DRIVER

**Driver Type** 1-10V dimmable

**Flex & Plug or Lead Length** 1500 mm

**Wiring Type** Re-wireable Flex & Plug (3 pin)

## COMPLIANCE

**Product Design Life** 6 years

The product design life relates to the total product life which includes LEDs, drivers and the enclosure. This is different to the LED lifetime which only refers to the economical lifetime of the LEDs at which time the lumen output has dropped below the L Value. The product design life is calculated at the maximum ambient or working temperature of the product and takes into account the Daily Use.

**Daily Use** 20 hrs

The Daily Use is the recommended time required to meet the product's design life. Installations can exceed this time, however the product design life will be reduced proportionally.

## WARRANTY

**Commercial Use Warranty** 5 RTB (Total 5 Years)

**Warranty Operating Hours** 15000 hrs

This product is provided with a warranty up until the stated warranty period or until the stated warranty operating hours has been reached (whichever occurs first).

## DIMENSIONS

**Product Diameter** 280 mm

**Product Height** 184 mm

## LINE DRAWINGS

EV/HOVER/CORE/200W/50K

## PHOTOMETRICS

EV/HOVER/CORE/200W/50K