

Mantis



The Mantis is a Ø105mm downlight with the added advantage of being used in applications usually suited to a large area downlight. The Mantis can achieve a lumen package of up to 2337lm due to its large bodied heatsink.

The Mantis uses a die-cast aluminium heatsink which houses the LED module. The bezel of the downlight is machined from aluminium ensuring a constant high quality finish with no surface blemishes.

Product

Mantis	MAN/
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Lumen Output

1402lm	/1402
1636lm	/1636
2337lm	/2337

Colour Temperature

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

Beam Angle

30° Beam	/30
60° Beam	/60

Standard Colours*

White	RAL9016
White	RAL9010
Black	RAL9005
*Other colours available upon special request	

Mounting

Surface mounted as default

Dimming

Fixed output as default	
DALI dimming	-DA
Switch dim/Touch dim	-TD
Mains dimming	-MD
Casambi dimming	-CS

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
1402lm	12.1W	115.9
1636lm	14.1W	116.0
2337lm	20.2W	115.7

CCT	3000 4000 6500
Light Source	LED CREE
SDCM	3
Longevity (L70/B10)	60,000 Hours
Colour Rendering	RA>82
UGR	<19

Technical Data

IP Rating	IP54
Construction	Diecast Aluminium
RAL colour (standard)	9016 9010 9005
Mounting Method	Recessed
Protective class	SELV
Impact Resistance (IK)	IK07
Warranty	5 Years
Certification	CE, ROHS

Electrical Data

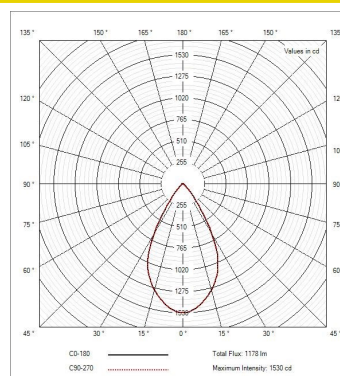
Rated Supply Voltage	220–240 V
AC Voltage Range	198–264 V
Mains Frequency	50/60 Hz
Output LF Current Ripple @ 120Hz	<1%
Overvoltage Protection	320 V
In-rush Current	14A
THD	<10%
Power Factor	0.95
Parasitic Load	0.5W
Operating Temperature	-25 +60 °C

Emergency Data

BLF	Lumen Output
23%	322lm
20%	324lm
13%	303lm

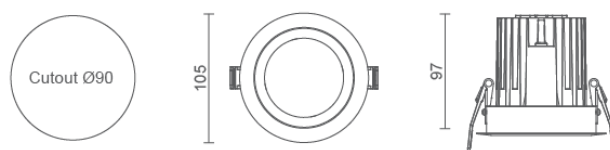
Emergency Duration	3 Hours
Recharge Period	24 Hours
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Battery Pack	3 x 3.2V 1.5Ah
Parasitic Load	1.2W
Operating Temperature	0–60 °C
Power Efficiency	95%
Certification	CE, ROHS

Standard Photometry



Dimensions

Fixing Centres	Ø90mm
Dimensions	Ø105 x 97mm
Weight	1.7 kg



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