HCP-81XX8163 SERIES

13W Recessed LED Downlight

Aluminium · Black or White
Dim to Warm · 2000K – 3000K

13w	844lm
MAX WATTAGE	LUMENS
95+	60°
CRI	BEAM ANGLE
<19	IP44
UGR	FRONT OF FITTING

WARRANTY T&CS WEBSITE

Havit Commercial

www.havitcommercial.com.au · 02 9381 8383
sales@havitcommercial.com.au
8/133 Beauchamp Road, Matraville, N.S.W., 2036



ALUMINIUM BLACK
HCP-81228163 TRIAC
HCP-81248163 DALI



ALUMINIUM WHITE
HCP-81328163 TRIAC
HCP-81348163 DALI

DIM TO WARM 3000K 2000K · TRIAC DIMMING · DALI 2 · IP44 INDOOR/OUTDOOR WATER RESISTANT · IC-4

01 PRODUCT SPECIFICATIONS

MATERIAL	Aluminium
COLOUR / FINISH	Black or White
INSTALLATION TYPE	Ceiling – Recessed
CUT OUT	Ø90mm
COLOUR TEMP	2000K – 3000K (dim to warm)
LUMENS	844lm
INPUT VOLTAGE	240V (supplied with flex & plug)
PROTECTION CLASS	2 (no earth required)
LAMP BASE	Built in LED
MAX WATTAGE	13W
DIMMING	TRIAC or DALI 2
CRI	95+
BEAM ANGLE	60° (other beam angles available)
IP RATING	IP44 (front of fitting only)
IK RATING	IK02
LAMP EXPECTANCY	>50,000hrs*
SDCM	<3
UGR	<19
IC RATING	IC-4
TILT	No tilt
WARRANTY	5 years replacement*

02 PRODUCT ORDERING

	ORDER CODE	FINISH	LAMP	DIMMING	BARCODE
	HCP-81228163	Aluminium Black	13W built in LED	TRIAC dimmable	9350418098986
	HCP-81248163	Aluminium Black	13W built in LED	DALI dimmable	9350418099129
	HCP-81328163	Aluminium White	13W built in LED	TRIAC dimmable	9350418099051
	HCP-81348163	Aluminium White	13W built in LED	DALI dimmable	9350418099198

DIM TO WARM COLOUR TEMP

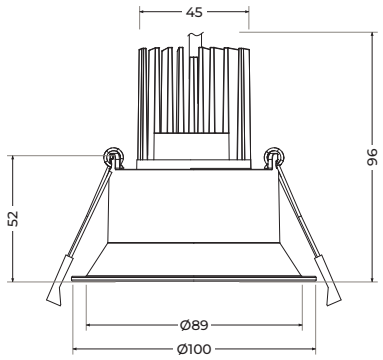
3000K at 100% — 844lm — at 10% **2000K**

OPTIONAL REFLECTORS

- **HCP-80091-15** 15 Degrees
- **HCP-80091-25** 25 Degrees
- **HCP-80091-38** 38 Degrees

03 DIMENSIONS

CUT OUT = Ø90MM



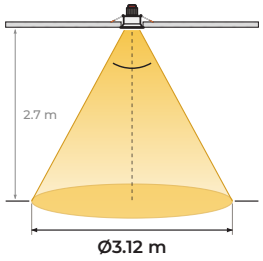
*See Warranty Terms & Conditions for more information.

04 BEAM ANGLE OPTIONS

BEAM DIAMETER AT FLOOR LEVEL*

60°

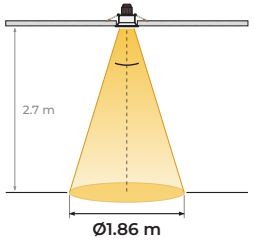
Standard optic
SUPPLIED AS STANDARD



2.4 m ceiling	**Ø2.77 m**
2.7 m ceiling	**Ø3.12 m**
3.0 m ceiling	**Ø3.46 m**

38°

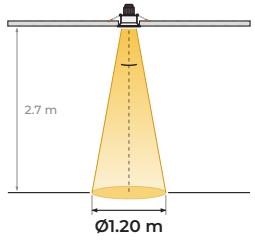
HCP-80091-38
OPTIONAL REFLECTOR



2.4 m ceiling	**Ø1.65 m**
2.7 m ceiling	**Ø1.86 m**
3.0 m ceiling	**Ø2.07 m**

25°

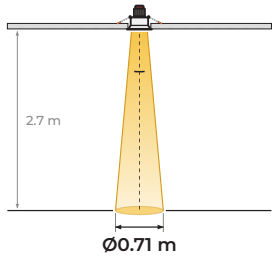
HCP-80091-25
OPTIONAL REFLECTOR



2.4 m ceiling	**Ø1.06 m**
2.7 m ceiling	**Ø1.20 m**
3.0 m ceiling	**Ø1.33 m**

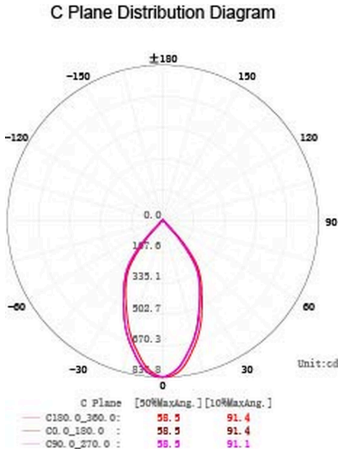
15°

HCP-80091-15
OPTIONAL REFLECTOR



2.4 m ceiling	**Ø0.63 m**
2.7 m ceiling	**Ø0.71 m**
3.0 m ceiling	**Ø0.79 m**

05 PHOTOMETRICS

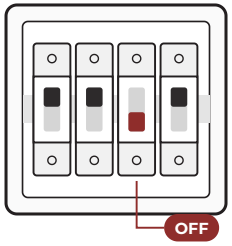


06 DIM TO WARM

100%	brightness	3000K
75%	brightness	≈ 2750K
50%	brightness	≈ 2500K
25%	brightness	≈ 2250K
10%	brightness	2000K

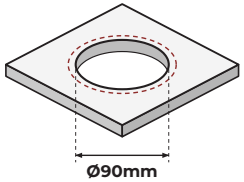
Colour temperature warms automatically from 3000K at full brightness to 2000K at 10%, like traditional halogen.

07 INSTALLATION



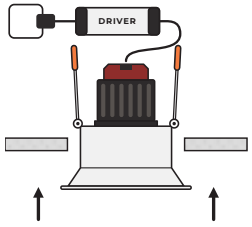
01
ISOLATE POWER

Turn off the supply at the switchboard before installing or servicing.



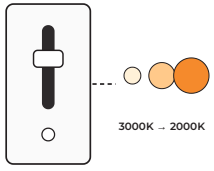
02
CUT THE CEILING

Cut a Ø90mm hole. Check the ceiling void is clear of joists, pipes and cables.



03
CONNECT & INSERT

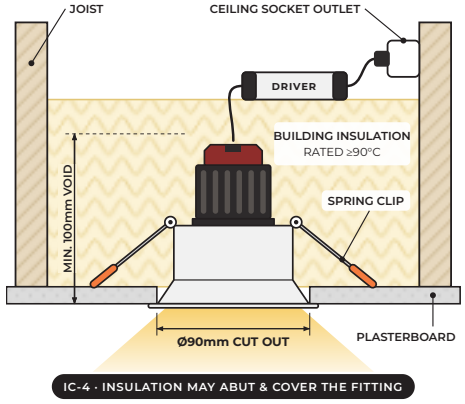
Plug the driver flex into the ceiling socket. Hold the spring clips upright, push the fitting in and release.



04
TEST DIMMING

Restore power and dim the light to check the warm shift from 3000K to 2000K.

08 TYPICAL INSTALLATION SECTION VIEW



IC-4 rated. Spring clips bear on the top of the ceiling lining; the external driver connects by flex and plug to a ceiling socket outlet.

09 INSTALLATION NOTES

01 Installation must be carried out by a licensed electrician in accordance with AS/NZS 3000.

02 External LED driver with flex & plug for connection to a ceiling socket outlet. Class 2 – no earth required.

03 Allow a minimum 100mm clear ceiling void (fitting height 96mm).

04 IC-4 rated: building insulation rated for continuous exposure to 90°C may abut and cover the fitting.

05 IP44 applies to the front of the fitting only – the rear must sit in a dry ceiling space.

06 Dim to warm: colour shifts from 3000K to 2000K as you dim. TRIAC models need a compatible trailing-edge dimmer; DALI models need a DALI-2 control system.

07 Optional reflectors are sold separately – fit the chosen reflector before installing the downlight.

08 Clean with a soft dry cloth only. Do not use solvents or abrasive cleaners.

*Beam diameters are calculated from the nominal beam angle (50% peak intensity) and are indicative only. See Warranty Terms & Conditions for more information.