HAVIT COMMERCIAL



HAVIT COMMERCIAL · LED DOWNLIGHTS

# Mini Dim to Warm Series

Single or twin. Warms from 3000K to 1800K as it dims.
Black or white, TRIAC or DALI 2.







3000K ≈ 2700K ≈ 2400K ≈ 2100K 1800K

OVERVIEW

# One recess. One or two lamps.

The Mini Dim to Warm Series pairs a compact 9W downlight with a twin 2x 9W version. Colour temperature warms automatically as the light is dimmed, and TRIAC or DALI 2 dimming can be ordered to suit the project.

**9W · 2x 9W**
MAX WATTAGE

**655lm**
PER LAMP

**90+**
CRI

**50°**
BEAM ANGLE

## 01 KEY FEATURES

01

### Dim to warm

Colour warms automatically from 3000K to 1800K as the light is dimmed, replicating a traditional halogen.

02

### Single or twin

One 9W lamp (HCP-81XX8709) or two 9W lamps in a single 145 x 78mm cut-out (HCP-81XX8809).

03

### Rotation and tilt (twin)

The twin HCP-81XX8809 offers 355° rotation and 30° tilt of each lamp tube. The single is fixed.

04

### TRIAC or DALI-2 dimming

Order the dimming method to suit the project – smooth control down to low levels.

05

### CRI 90+ · SDCM <3 · UGR <19

Rich, accurate colour rendering with consistent colour and low glare.

06

### IC-4 · IP44 · 5 year warranty*

Insulation may cover the fitting. IP44 to the front, 50,000+ hour lamp expectancy.

## 02 TECHNICAL SUMMARY

BOTH MODELS

| | |
|---|---|
| MATERIAL | Aluminium |
| COLOUR TEMP | Dim to warm · 3000K to 1800K |
| INPUT VOLTAGE | 240V (flex & plug) |
| CRI | 90+ |
| IP RATING | IP44 (front only) |
| LAMP EXPECTANCY | >50,000hrs* |
| SDCM · UGR | <3 · <19 |
| TILT | Single: none · Twin: 30° |

| | |
|---|---|
| FINISH | Black (black insert) · White (gold insert) |
| DIMMING | TRIAC or DALI 2 |
| PROTECTION CLASS | 2 – no earth required |
| BEAM ANGLE | 50° |
| IK RATING | IK02 |
| IC RATING | IC-4 |
| DIFFUSER | PC |
| WARRANTY | 5 years replacement* |

*See Warranty Terms & Conditions for more information.

THE RANGE

# Two models, black or white

## 03 9W MINI RECESSED

HCP-81XX8709






| | |
|---|---|
| Cut out | **Ø75mm** |
| Wattage · lumens | **9W · 655lm** |
| Colour temp | **Dim to warm · 3000 – 1800K** |
| Dimming | **TRIAC or DALI 2** |
| Beam · tilt | **50° · no tilt** |
| Dimensions | **Ø83 flange · 101mm high** |
| Min. ceiling void | **105mm** |
| Protection | **IP44 front · IK02 · IC-4** |

## 04 2X 9W MINI RECESSED

HCP-81XX8809





| | |
|---|---|
| Cut out | **145 x 78mm** |
| Wattage · lumens | **2x 9W · 2x 655lm** |
| Colour temp | **Dim to warm · 3000 – 1800K** |
| Dimming | **TRIAC or DALI 2** |
| Beam · tilt · rotation | **50° · 30° · 355°** |
| Dimensions | **153 x 85 flange · 101mm high** |
| Min. ceiling void | **105mm** |
| Protection | **IP44 front · IK02 · IC-4** |

*See Warranty Terms & Conditions for more information.

## 05 FITTING ROTATION

HCP-81XX8809 ONLY



355°

**ROTATION**

Full circular rotation for precise light positioning.

30°

**TILT**

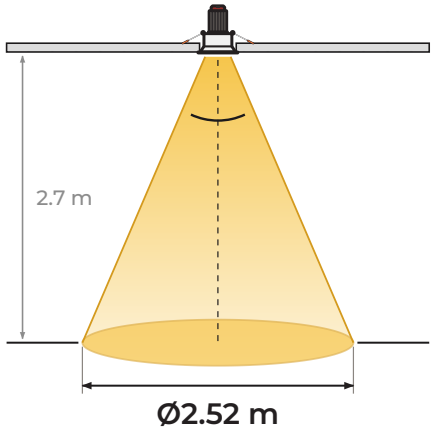
Adjustable tilt of each lamp tube.

The single HCP-81XX8709 is a fixed fitting (no tilt).

## 06 BEAM ANGLE

FLOOR LEVEL*

50°




| | |
|---|---|
| 2.4 m ceiling | **Ø2.24 m** |
| 2.7 m ceiling | **Ø2.52 m** |
| 3.0 m ceiling | **Ø2.80 m** |

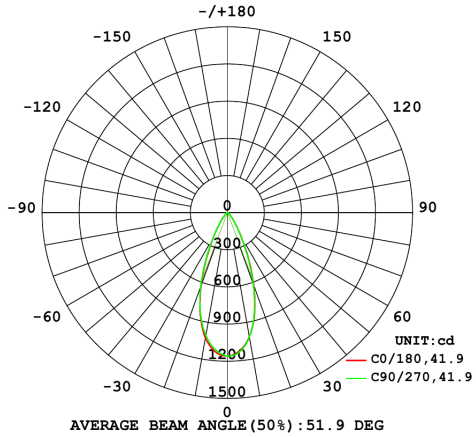
## 07 DIM TO WARM

3000K → 1800K

| | |
|---|---|
| 100% | **3000K** |
| 75% | **≈ 2700K** |
| 50% | **≈ 2400K** |
| 25% | **≈ 2100K** |
| 10% | **1800K** |

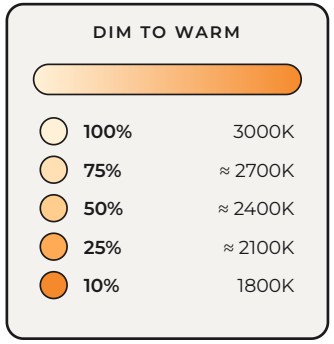
## 08 PHOTOMETRICS

AVG BEAM ANGLE 51.9°

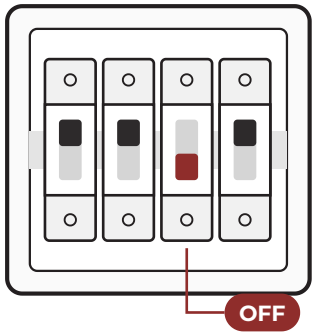



C0/180: 41.9° · C90/270: 41.9°. Peak intensity approx. 1500 cd per lamp.

## 09 COLOUR BEHAVIOUR



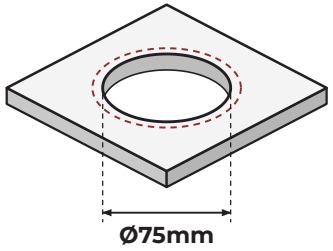

*See Warranty Terms & Conditions for more information.




## 01

### ISOLATE POWER

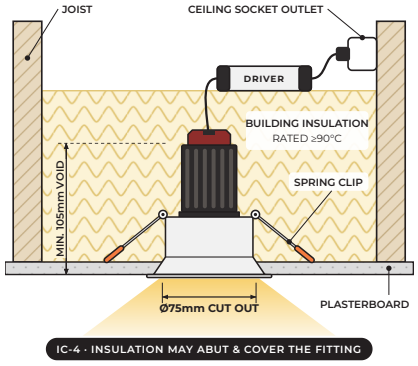
Turn off the supply at the switchboard before installing or servicing.




## 02

### CUT THE CEILING

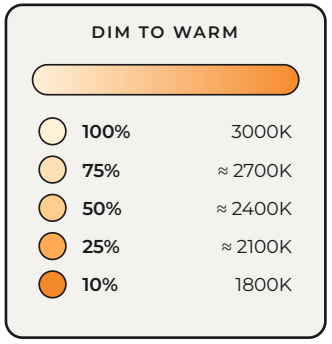
Cut a Ø75mm hole for the single fitting, or a 145 x 78mm opening for the twin. Check the void is clear.




## 03

### CONNECT & INSERT

Plug the flex into the ceiling outlet, fold the spring clips up and push the fitting in. Insulation may cover it (IC-4).




## 04

### DIM TO WARM

Colour warms automatically from 3000K to 1800K as the light is dimmed – no setting required.



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

02 Supplied with flex and plug for 240V mains. Class 2 – no earth required.

03 Allow a minimum 105mm clear ceiling void (fitting height 101mm).

04 IC-4 rated: building insulation rated for 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.

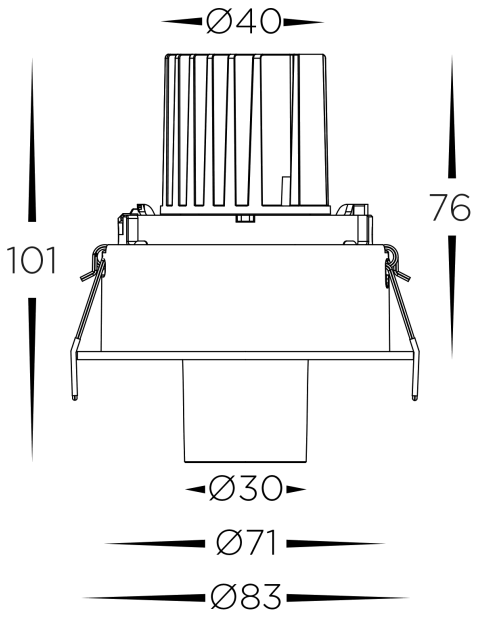
06 TRIAC models: use a compatible trailing-edge dimmer. DALI models require a DALI-2 control system.

07 Colour warms automatically as the fitting is dimmed. Clean with a soft dry cloth only.

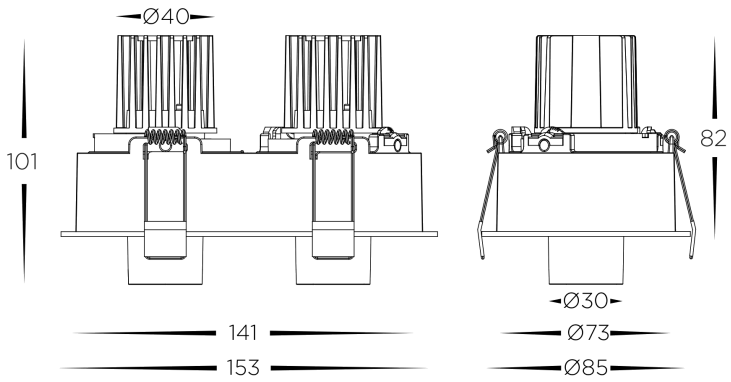
## 12 DIMENSIONS

MM

**HCP-81XX8709 · Cut out Ø75mm**




**HCP-81XX8809 · Cut out 145 x 78mm**




## 13 OPTIONAL ACCESSORIES

SOLD SEPARATELY



**HCP-86226**
BLACK INNER INSERT



**HCP-86526**
GOLD INNER INSERT



**HCP-86227**
BLACK ROUND INSERT



**HCP-86327**
WHITE ROUND INSERT



**HCP-86228**
BLACK OUTER INSERT



**HCP-86328**
WHITE OUTER INSERT



**HCP-86229**
BLACK SQUARE INSERT

HCP-86229 is listed on the HCP-81XX8809 data sheet.

ORDERING

# Product ordering

## 07 9W MINI RECESSED

DIM TO WARM · 9W · Ø75MM CUT-OUT

| | ORDER CODE | FINISH | DIMMING | BARCODE |
|---|---|---|---|---|
|  | **HCP-81228709** | Aluminium Black | TRIAC | 9350418060303 |
|  | **HCP-81248709** | Aluminium Black | DALI 2 | 9350418060372 |
|  | **HCP-81328709** | Aluminium White | TRIAC | 9350418060341 |
|  | **HCP-81348709** | Aluminium White | DALI 2 | 9350418060419 |

## 08 2X 9W MINI RECESSED

DIM TO WARM · 2X 9W · 145 X 78MM CUT-OUT

| | ORDER CODE | FINISH | DIMMING | BARCODE |
|---|---|---|---|---|
|  | **HCP-81228809** | Aluminium Black | TRIAC | 9350418060297 |
|  | **HCP-81248809** | Aluminium Black | DALI 2 | 9350418060365 |
|  | **HCP-81328809** | Aluminium White | TRIAC | 9350418060327 |
|  | **HCP-81348809** | Aluminium White | DALI 2 | 9350418060396 |

All models are 240V with flex and plug, dim to warm (3000K to 1800K), IP44 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

*See Warranty Terms & Conditions for more information.