

# CAT-R

A new approach to commercial lighting, eliminating the waste of traditional CAT-A / B fit-out and strip out cycles



WINNER OF THE  
ECN SUSTAINABLE PRODUCT OF  
THE YEAR AWARD 2025



### APPLICATIONS

- Tenanted commercial offices where a CAT-A fit-out would otherwise be followed by a strip-out and a CAT-B installation

### SPECIFICATION

- Comprised of 3 interchangeable modules – body, LED cassette and driver
- For lay-in installation in 15-24mm exposed T ceilings
- Vossloh Schwabe driver

### Body:

Metal body, powder coated, Semi-gloss white (RAL9016) available in two sizes:

- 600mm x 600mm
- 1200mm x 300mm

Both sizes are available in 4 different styles: Basic, Square, Winged or Acoustic

### LED Cassette:

Available on all body sizes and styles, with a snap-fit mounting and plug and play connection. Choose between Opal or Microprismatic UGR <19, with 3000k, 4000k or 5000k options

### Drivers:

Prewired with push to fit, toolless terminals. Choose one of the following:

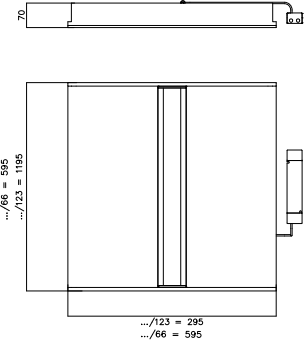
- FO - Fixed Output, wattage selectable
- DD - Digital Dimming (DALI & Switch Dim)
- CS - Casambi smart wireless control
- HS - HubSense smart wireless control

### OPTIONS

**Emergency** – all maintained 3 hours with lithium (LiFePO<sub>4</sub>) batteries

- For M3, M3 self-test or M3 DALI (DAM3), order one of the conversion packs listed overleaf

**Sensor** - Optional plug and play sensor fitted in the body. Contact the technical team for more information



## KEY FEATURES

**SUSTAINABILITY** – Designed to TM66 guidelines with replaceable parts

**UPGRADABLE** – Drivers & LED cassettes can be changed

**REUSE** – Parts can be reused on next project

**CARBON SAVING** – Up to 55% saving on a typical CAT-A / B fit-out cycle

## SMART WIRELESS CONTROLS



CASAMBI

CAT-R can be supplied with either **HubSense** or **Casambi** smart wireless control built-in.

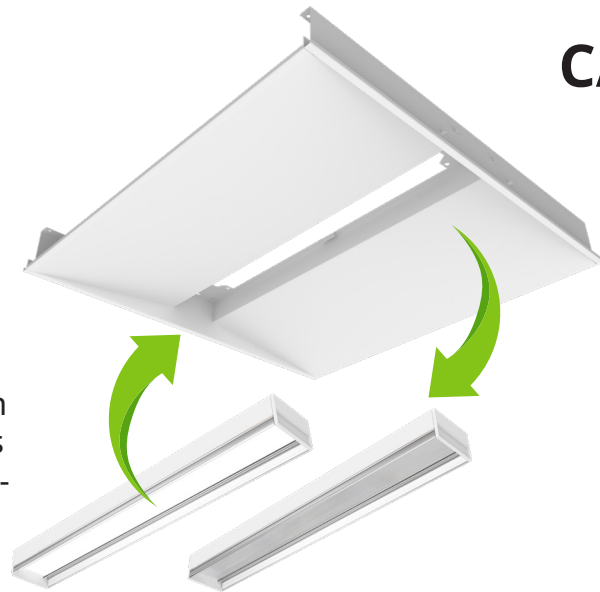
**Casambi** and **HubSense** use Bluetooth wireless technology to provide comprehensive lighting control, including scene setting, energy saving and addressable emergency testing.

Contact our technical team for details – [technical@nvcuk.com](mailto:technical@nvcuk.com)

# CAT-R

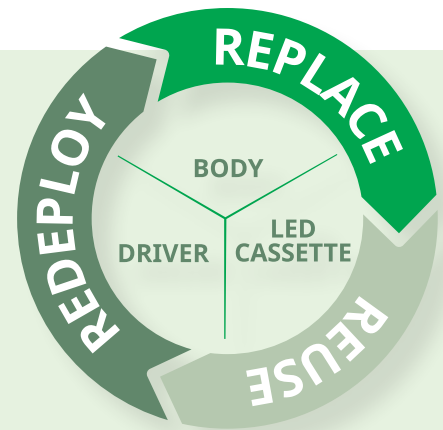
## Lighting the way to a sustainable future

Transforming the CAT-A/B fit-out cycle with a smart, magnetic snap-fit system that lets you easily swap interchangeable modules - fast, simple and sustainable.



## Replace. Reuse. Redeploy.

Designed to meet CAT-A/B fitout requirements, it features an adaptable plug-and-play system that allows the lighting to be changed quickly, cost-effectively and in a sustainable manner to meet the requirements of new tenants.



### Quick and Simple

Built on the NVC plug-and-play platform, CAT-R is quick and easy to install and just as quick and easy to modify later.

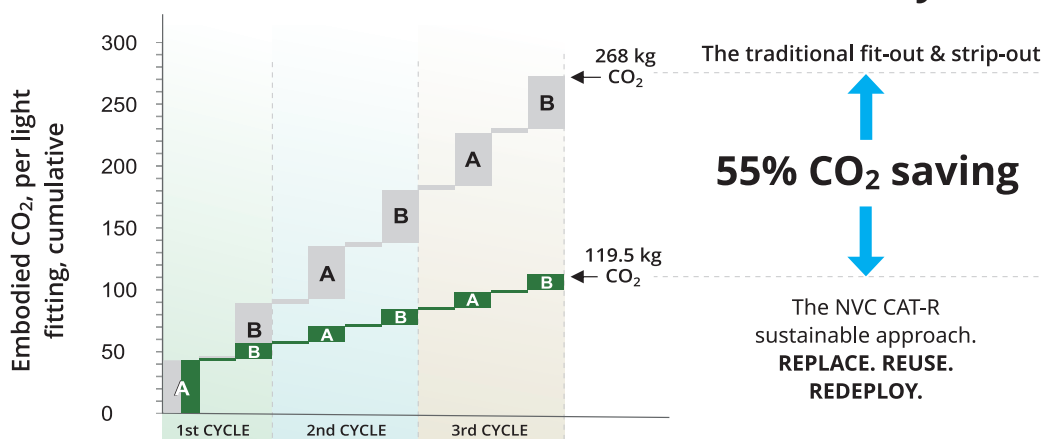
### Cost Effective

Built with the ability to replace only specific modules, CAT-R is a more cost-effective solution than a traditional CAT-A/B fit-out and strip-out cycle.

### Sustainable

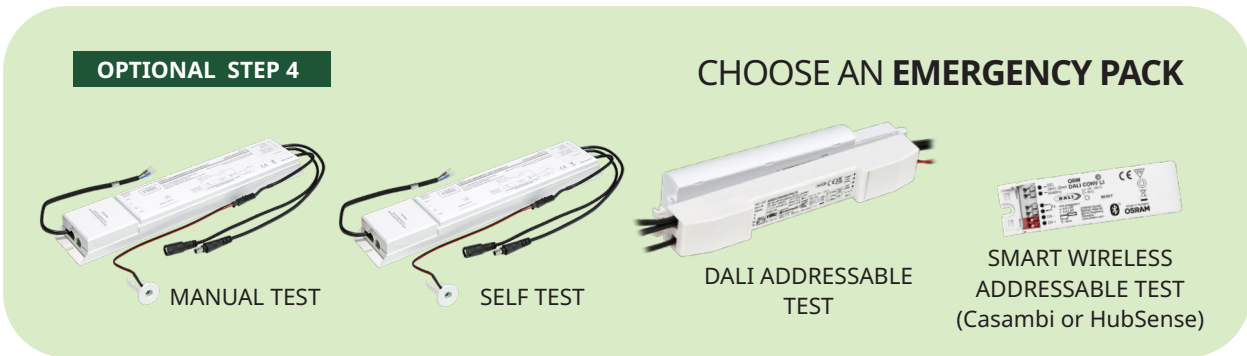
Reduces CO<sub>2</sub> emissions by 55% over 3 cycles compared to the traditional fit-out cycle. One step closer to a waste free future.

### Cumulative CO<sub>2</sub> emissions over 3 CAT-A / B cycles



# CAT-R

Ordered as three items and assembled on site.  
 Assembly is tool-free, snap-fit, plug and play.



CAT-R is ordered as three items (four items for emergency fittings) and assembled on site.  
**Assembly is tool-free, snap-fit, plug & play.**

# CAT-R

## Body

ORDER CODE	DESCRIPTION	DIMENSIONS (mm)	
		WIDTH	LENGTH
<b>FOR 600 X 600 BODY</b>			
NCATR/BODY/66/BASIC	CAT-R Body 600x600 Basic	595	595
NCATR/BODY/66/SQUARE	CAT-R Body 600x600 Square	595	595
NCATR/BODY/66/WINGED	CAT-R Body 600x600 Winged	595	595
NCATR/BODY/66/ACOUSTIC	CAT-R Body 600x600 Acoustic	595	595
<b>FOR 1200X300 BODY</b>			
NCATR/BODY/123/BASIC	CAT-R Body 1200x300 Basic	295	1195
NCATR/BODY/123/SQUARE	CAT-R Body 1200x300 Square	295	1195
NCATR/BODY/123/WINGED	CAT-R Body 1200x300 Winged	295	1195
NCATR/BODY/123/ACOUSTIC	CAT-R Body 1200x300 Acoustic	295	1195

## LED Cassette (3000K & 4000K listed. 5000K also available.)

ORDER CODE	POWER (W)	LUMENS (lm)	EFFICACY (l.lm/c.W)	OPTICS	CRI	CCT (K)
<b>FOR 600 X 600 BODY</b>						
NCATR/CASS/6/O/830	26 / 32 / 38 / 43	3144 / 3755 / 4356 / 4800	125 / 121 / 118 / 116	Opal	>80	3000
NCATR/CASS/6/O/840	26 / 32 / 38 / 43	3144 / 3755 / 4356 / 4800	125 / 121 / 118 / 116	Opal	>80	4000
NCATR/CASS/6/UGR/830	26 / 31 / 38 / 43	3032 / 3365 / 1028 / 4364	114 / 110 / 108 / 104	UGR<19	>80	3000
NCATR/CASS/6/UGR/840	26 / 31 / 38 / 43	3032 / 3365 / 1028 / 4364	114 / 110 / 108 / 104	UGR<19	>80	4000
<b>FOR 1200 X 300 BODY</b>						
NCATR/CASS/12/O/830	25 / 30 / 36 / 41	3433 / 4115 / 4835 / 5479	145 / 142 / 140 / 136	Opal	>80	3000
NCATR/CASS/12/O/840	25 / 30 / 36 / 41	3433 / 4115 / 4835 / 5479	145 / 142 / 140 / 136	Opal	>80	4000
NCATR/CASS/12/UGR/830	25 / 30 / 36 / 41	3256 / 3698 / 4459 / 4805	129 / 128 / 127 / 123	UGR<19	>80	3000
NCATR/CASS/12/UGR/840	25 / 30 / 36 / 41	3256 / 3698 / 4459 / 4805	129 / 128 / 127 / 123	UGR<19	>80	4000

## Driver

ORDER CODE	DESCRIPTION
NCATR/DRV/FO	CAT-R Driver Fixed Output Wattage Selectable 25 - 41W
NCATR/DRV/DD	CAT-R Driver DALI Dim Wattage Selectable 25W - 41W
NCATR/DRV/HS	CAT-R Driver Hubsense Wattage Selectable 25W - 41W
NCATR/DRV/CS	CAT-R Driver Casambi Wattage Programmable 25-41W

## Optional - Emergency conversion packs

ORDER CODE	DESCRIPTION
N/REC/M3/PACK/V2	M3 Pack V2 LiFePO4 For Recessed Product Ranges
N/REC/STM3/PACK/V2	M3 Pack V2 LiFePO4 Self Test For Recessed Product Ranges
N/REC/DAM3/PACK	LiFe DALI Addressable M3 Emergency Pack For Recessed Product Ranges



For Casambi or HubSense addressable test, call technical for details.

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## Easy to reuse

- All modules are interchangeable – **no redundancy**
- All modules are reusable – **no waste**
- All electrical connections are screwless or plug & socket – **no tools or skilled labour required**
- All mechanical connections are snap-fit and/or magnetic – **no screws, bolts or adhesives**