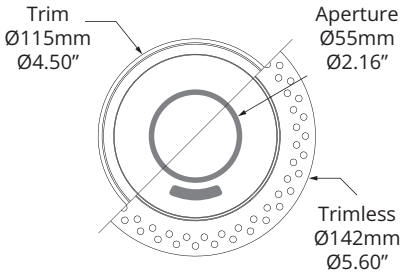




NOVA is RCL by Luminii's most compact recessed luminaire to date. It masters the art of pin spotting and accent lighting while combining excellent beam quality with all the benefits of RCL technology. NOVA Tuneable White is available with two tunable CCT light engines, delivering up to 1,293 lumens from a wide selection of fixed beam options as well as Zoom powered by Lensvector.

KEY FEATURES

- 360° pan with 35° tilt Motorised Movement
- Wired or Wireless control
- Position and light level scene recall
- Fully recessed and does not break the ceiling line
- Available with IC rated housing for North America



PERFORMANCE DATA

| OUTPUT OPTIONS   | TUNABLE WHITE                                                       |          |                     |                          |
|------------------|---------------------------------------------------------------------|----------|---------------------|--------------------------|
| BEAM OPTIONS     | 16°                                                                 | 24°      | 36°                 | 20-50° Zoom <sup>1</sup> |
| DELIVERED OUTPUT | 555 lm                                                              | 1,292 lm | 1,293 lm            | 940 lm <sup>1</sup>      |
| PEAK INTENSITY   | 4,649 cd                                                            | 6,640 cd | 3,247 cd            | 5,890 cd <sup>1</sup>    |
| LED ARRANGEMENT  | Single source                                                       |          | Single source       |                          |
| LED WATTAGE      | 7.0 W                                                               |          | 17.3 W              |                          |
| EFFICACY         | 79.3 lm/W                                                           |          | 74.7 lm/W           |                          |
| DYNAMIC WATTAGE  | 9.4 W <sup>2</sup>                                                  |          | 19.7 W <sup>2</sup> |                          |
| CCT OPTIONS      | 1800K-4000K (3000K) <sup>3</sup>   2700K-6500K (5500K) <sup>3</sup> |          |                     |                          |

Notes

<sup>1</sup> Value at narrowest zoom setting

<sup>2</sup> Dynamic Wattage is the total power draw momentarily possible when both motors are running simultaneously.

<sup>3</sup> Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

MECHANICAL & MOUNTING

|               |                         |              |                                   |
|---------------|-------------------------|--------------|-----------------------------------|
| LOCATION      | IP20                    | ACCESSORIES  | Separate holder - Louvre   Lenses |
| ADJUSTABILITY | 360° Pan, 35° Tilt      | MATERIAL     | AL 6063-T6, Polycarbonate         |
| WEIGHT        | 0.60kg                  | POWER SUPPLY | Remote, +0.36kg                   |
| MOUNTING      | Recessed Ø100mm cut-out |              |                                   |

ORDER CODE

| MODEL     | MOUNTING    | CCT                            | OUTPUT             | BEAM ANGLE     | TYPE              | CONTROL                           | FINISH                |
|-----------|-------------|--------------------------------|--------------------|----------------|-------------------|-----------------------------------|-----------------------|
| NOVA NOVA | TR Trimmed  | 18K40K 1800-4000K <sup>5</sup> | TWSO Tunable White | NR Narrow 16°  | 230V 230V 50/60Hz | HAND Controller Only <sup>1</sup> | WH White <sup>4</sup> |
|           | TL Trimless | 27K65K 2700-6500K <sup>5</sup> |                    | ME Medium 24°  |                   | 010V 0-10V <sup>2</sup>           | BK Black <sup>4</sup> |
|           |             |                                |                    | WD Wide 36°    |                   | DALI DALI <sup>3</sup>            |                       |
|           |             |                                |                    | ZO Zoom 20-50° |                   | DMX DMX                           |                       |
|           |             |                                |                    |                |                   | RCLC RCL Control                  |                       |

Notes

<sup>1</sup> Handheld controller only, no additional control option enabled

<sup>2</sup> 0-10V controls light level only, handheld remote used for movement and scene control

<sup>3</sup> DALI controls light level, groups and scenes, handheld remote used for movement

<sup>4</sup> Custom RAL or plated finishes are available, please enquire with our team

<sup>5</sup> Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

LIGHT ENGINE SELECTION

This product specification sheet references our tunable white light engines, this product is also available with static white light engines, please refer to their separate sheets.

▸ intense ◀

Our intense light engines deliver ultra narrow surgical beams combined with the highest peak intensity values available.

- Ultra-tight beams
- High Peak Cd

STANDARD  
OUTPUT

Our standard output light engines embody RCL's commitment to excellence, delivering high CRI, efficient performance, and clean, well-defined beams.

- High CRI
- Crisp clean beams

tunable/WHITE

Allows users to adjust the correlated colour temperature (CCT) of their light on demand, with options for analogue, digital, or wireless control. Tuning ranges are available to suit a range of applications.

- 1800K - 4000K
- 2700K - 6500K

LIFETIME & ENVIRONMENTAL

At RCL, we design and engineer our products with longevity in mind. Many of the components that make up our light fixtures are both modular and re-usable, making it possible to service and repair them throughout their life in service. Once our products reach the end of their useful life, it is possible to re-work and renew them in to a new product. We prioritise the use of recyclable materials in both our products and packaging, and encourage our customers to engage responsibly in the correct disposal of any materials we supply.

|                  |                           |
|------------------|---------------------------|
| CIBSE TM65       | 23.21 Kg/CO2e             |
| CIBSE TM66       | 2.5                       |
| ROHS COMPLIANCE  | Yes                       |
| REACH COMPLIANCE | Yes                       |
| WEEE COMPLIANCE  | Yes - Registered Producer |
| DECLARE          | -                         |
| LIFETIME         | L90B10 50,000hrs          |
| WARRANTY         | 5 Years                   |

# NOVA - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

## NOVA TRIMMED



White



Black

## NOVA TRIMLESS



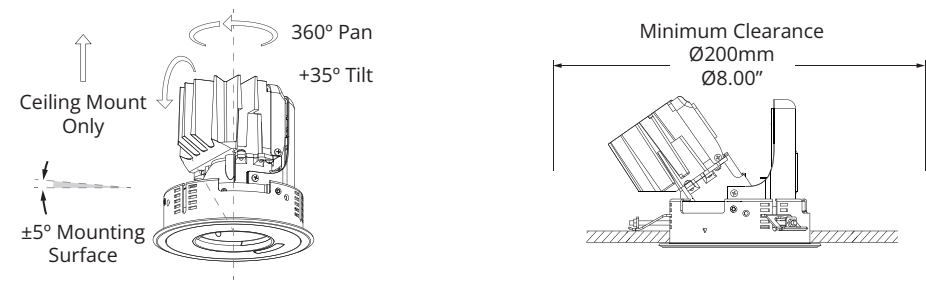
White



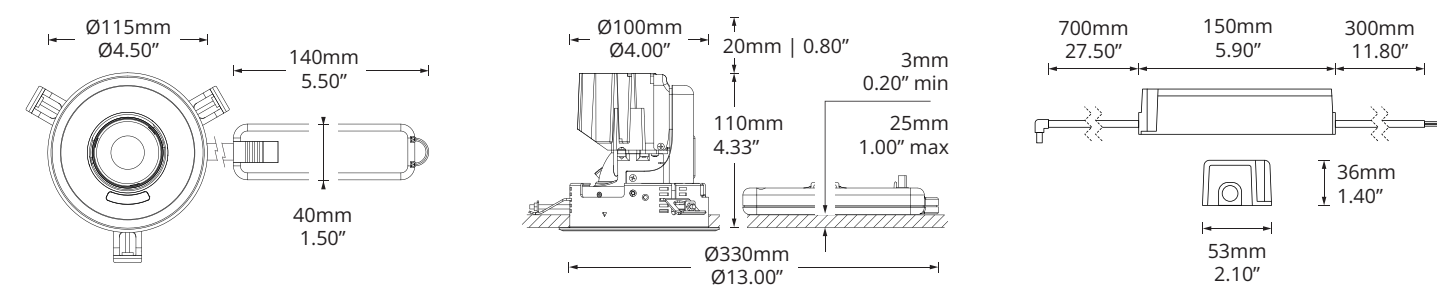
Black

Other finishes can be supplied via our custom process, this includes custom RAL or plating. Please enquire with our team.

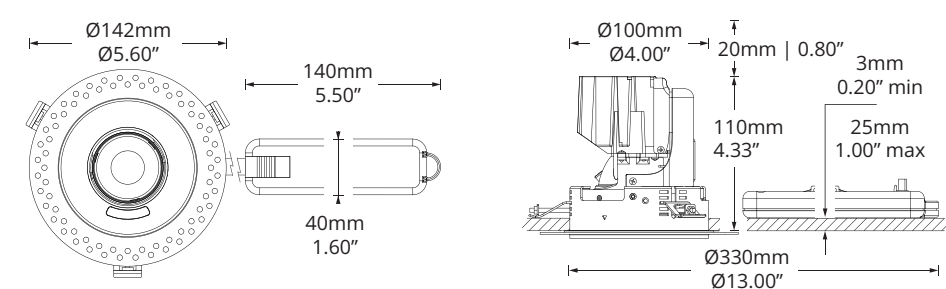
INSTALLATION CLEARANCE AND ARTICULATION



NOVA TRIMMED



NOVA TRIMLESS



## DIMMING &amp; CONTROL TABLE

|                    | CORE<br>CONTROL OPTION<br>In all products | ADDITIONAL CONTROL OPTION<br>1 can be used in addition to the handheld remote<br>Remote required for commissioning |      |     |       |
|--------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------|-----|-------|
|                    | HANDHELD REMOTE                           | RCL CONTROL                                                                                                        | DALI | DMX | 0-10V |
| BRIGHTNESS         | ✓                                         | ✓                                                                                                                  | ✓    | ✓   | ✓     |
| MOVEMENT           | ✓                                         | ✓                                                                                                                  | 1    | ✓   |       |
| COLOUR TEMPERATURE | ✓                                         | ✓                                                                                                                  | ✓    | ✓   |       |
| ZOOM               | ✓                                         | ✓                                                                                                                  | 1    | ✓   |       |
| SCENES             | ✓                                         | ✓                                                                                                                  | 1    | ✓   |       |

1. Zoom and position programmed by handheld remote, recalled by DALI scenes command. 10 scenes available, not available with all DALI systems.

## DIMMING &amp; CONTROL DETAILS

## Handheld Remote

The RCL handheld remote controller affords control of all aspects of the luminaire. Our products are available both as solely controlled by the remote or with another protocol. Regardless of if another protocol is specified on the product, it will always have the ability to be controlled by our handheld remote controller. The luminaire will always power up with its last configuration.

## RCL Control

The RCL Control iPad app offers an intuitive, user-friendly interface capable of managing multiple rooms and floors. RCL control requires a mediator device that acts as the wired to wireless interface on the project, this device acts as the hub, receiving then distributing wireless commands to up to 200 luminaires. The mediator can receive DALI or DMX wired inputs to allow control of groups of luminaires and recalling scenes requested from external building management systems. RCL Control utilises a dynamic wireless mesh network for robust, scalable and low-latency performance, ensuring reliable and secure operation without internet dependence. Luminaires can be organised into zones, groups and scenes, all controlled through our award-winning reflected ceiling plan interface.

## DALI

DALI offers brightness, CCT, group and scene control of our luminaires, the handheld remote is needed for movement. The first 10 scenes can be programmed by handheld controller and recalled by DALI, in this case all configured features can be set and recalled (i.e. zoom, position, etc). Not all DALI controllers use the DALI scene command, so testing is recommended.

## DMX

All configured features of our luminaires are available for control by DMX, by default the fixture will have a footprint of 4, allowing for pan, tilt and dim control. The handheld remote allows the user to select one of six possible profiles allowing for dim only, dim and movement or movement and control of all fitted light engine features with different resolutions available. Please note that RGBW is controlled with a hue and saturation channel.

When installing DMX to track mounted fixtures it is important to ensure that appropriate electrical isolation is provided between the DMX circuits on the track and any DMX connections. The DMX and electrical grounds will need to be connected, typically by a mains-powered splitter on the same circuit.

## 0-10V

0-10V has a single control group as all luminaires connected to the databus will dim in unison. 0-10V will only control the brightness, the handheld remote is needed for movement, CCT and zoom if available.

## Phase

Phase dimming is not available on RCL products.

Control method not listed here? We have a wealth of experience integrating with 3rd party control systems so get in touch.

# NOVA - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

## TUNABLE WHITE OUTPUT LIGHT ENGINE - OUTPUT SCALING

| CCT   | Output Multiplier | CRI | R9 Typ. | TM-30: Rf | TM-30: Rg | Max Lm |
|-------|-------------------|-----|---------|-----------|-----------|--------|
| 1800K | 0.57              | 92  | 68      | 90        | 99        | 737    |
| 2400K | 0.77              | 92  | 80      | 90        | 99        | 996    |
| 3000K | 1                 | 92  | 75      | 90        | 99        | 1293   |
| 5000K | 1.05              | 91  | 70      | 89        | 101       | 1358   |
| 6500K | 1.06              | 91  | 65      | 89        | 99        | 1371   |

Colour Consistency: 3 SDCM at 3000K

## TUNABLE WHITE OUTPUT LIGHT ENGINE - PHOTOMETRY

|                    |         |  |  |  |
|--------------------|---------|--|--|--|
| <b>NARROW</b>      |         |  |  |  |
| FWHM               | 16°     |  |  |  |
| Delivered Flux     | 555 lm  |  |  |  |
| Peak Intensity     | 4649 cd |  |  |  |
| <b>MEDIUM</b>      |         |  |  |  |
| FWHM               | 24°     |  |  |  |
| Delivered Flux     | 1292 lm |  |  |  |
| Peak Intensity     | 6640 cd |  |  |  |
| <b>WIDE</b>        |         |  |  |  |
| FWHM               | 36°     |  |  |  |
| Delivered Flux     | 1293 lm |  |  |  |
| Peak Intensity     | 3247 cd |  |  |  |
| <b>ZOOM NARROW</b> |         |  |  |  |
| FWHM               | 20°     |  |  |  |
| Delivered Flux     | 940 lm  |  |  |  |
| Peak Intensity     | 5890 cd |  |  |  |
| <b>ZOOM WIDE</b>   |         |  |  |  |
| FWHM               | 50°     |  |  |  |
| Delivered Flux     | 700 lm  |  |  |  |
| Peak Intensity     | 886 cd  |  |  |  |

ACCESSORIES ORDER CODE

| ORDER CODES | Tunable White<br>Fixed beam & Zoom |       | Use                               |
|-------------|------------------------------------|-------|-----------------------------------|
|             | ACCESSORY HOLDER                   | 12615 | Accommodates 1 louver plus 1 lens |
|             | HONEYCOMB LOUVER                   | 12616 | Reduces field beam and glare      |
|             | NARROW MICROLENS                   | 12618 | Light beam softening              |
|             | MEDIUM MICROLENS                   | 12619 | Medium beam softening             |
|             | WIDE MICROLENS                     | 12620 | Heavy beam softening              |

FEATURE MAP

