NOVA - TUNABLE WHITE

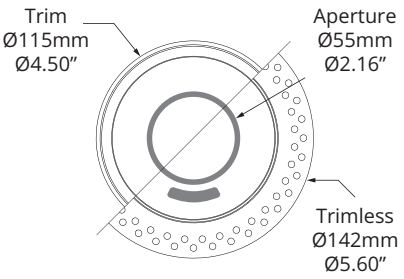
IC RECESSED TRIMMED & TRIMLESS - FOR NORTH AMERICA



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 1,150 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 [1]
DELIVERED OUTPUT	555 lm	1,150 lm	1,137 lm	783 lm [1]
PEAK INTENSITY	4,649 cd	6,122 cd	2,896 cd	4,711 cd [1]
LED ARRANGEMENT	Single source	Single source		
LED WATTAGE	7.0 W	13.7 W		
EFFICACY	79.3 lm/W	83.9 lm/W		
DYNAMIC WATTAGE	9.4 W [2]	16.1 W [2]		
CCT OPTIONS	1800K-4000K (3000K) [3] | 2700K-6500K (5500K) [3]			

Notes

[1] Value at narrowest zoom setting

[2] Dynamic Wattage is the total power draw momentarily possible when both motors are running simultaneously.

[3] 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	1.30lb | +5.70lb (IC Box)	POWER SUPPLY	Remote
MOUNTING	Recessed Ø4.00" cut-out		

ORDER CODE

MODEL	MOUNTING	OUTPUT	CCT	BEAM ANGLE	TYPE	CONTROL	FINISH
NOVA *NOVA*	**TR** *Trimmed*	**TWSO** *Tunable White*	**18K40K** *1800-4000K [5]*	**NR** *Narrow 16°*	**UNICP** *120-277V Chicago Plenum IC Housing*	**HAND** *Controller Only [1]*	**WH** *White [4]*
	TL *Trimless*		**27K65K** *2700-6500K [5]*	**ME** *Medium 24°*		**010V** *0-10V [2]*	**BK** *Black [4]*
				WD *Wide 36°*		**DALI** *DALI [3]*	
				ZO *Zoom 20-50°*		**DMX** *DMX*	
						RCLC *RCL Control*	

Notes

[1] Handheld controller only, no additional control option enabled

[2] 0-10V controls light level only, handheld remote used for movement and scene control

[3] DALI controls light level, groups and scenes, handheld remote used for movement

[4] Custom RAL or plated finishes are available, please enquire with our team

[5] Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

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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

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NOVA - TUNABLE WHITE

IC RECESSED TRIMMED & TRIMLESS - FOR NORTH AMERICA

NOVA TRIMMED



White



Black

NOVA TRIMLESS



White



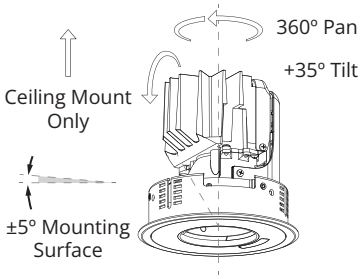
Black

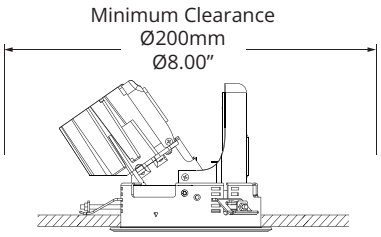
Other finishes can be supplied via our custom process, this includes custom RAL or plating. Please enquire with our team.

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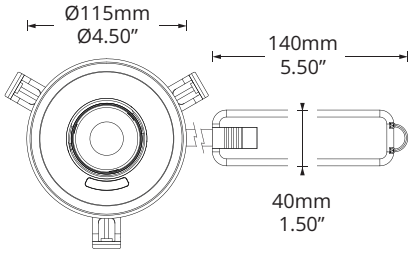
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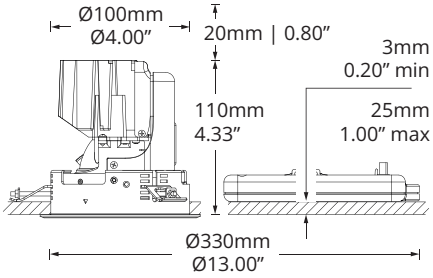
INSTALLATION CLEARANCE AND ARTICULATION

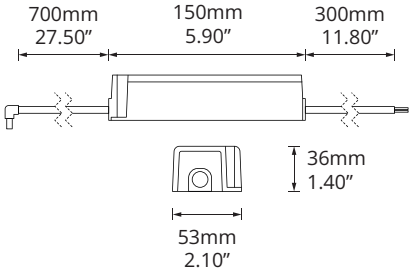




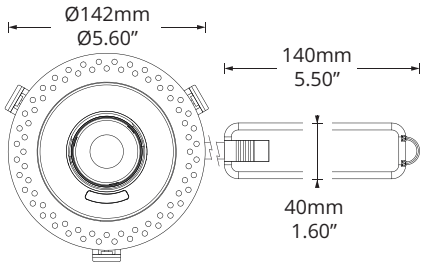
NOVA TRIMMED

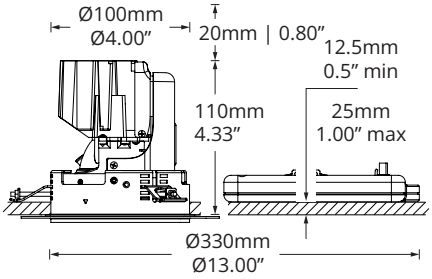




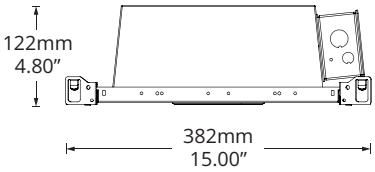


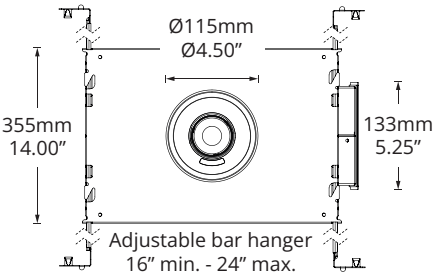
NOVA TRIMLESS

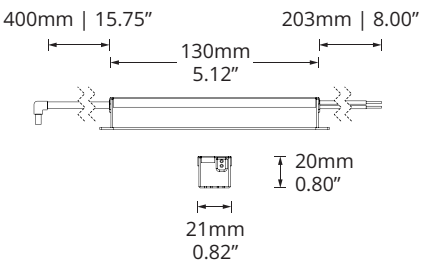




120V / 277V IC HOUSING FOR NORTH AMERICA







NOVA - TUNABLE WHITE

IC RECESSED TRIMMED & TRIMLESS - FOR NORTH AMERICA

DIMMING & CONTROL TABLE

	CORE CONTROL OPTION In all products	ADDITIONAL CONTROL OPTION 1 can be used in addition to the handheld remote 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 & 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.

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TUNABLE WHITE OUTPUT LIGHT ENGINE - OUTPUT SCALING

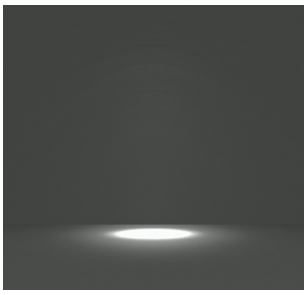
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
1800K	0.57	92	68	90	99	656
2400K	0.77	92	80	90	99	886
3000K	1	92	75	90	99	1150
5000K	1.05	91	70	89	101	1208
6500K	1.06	91	65	89	99	1219

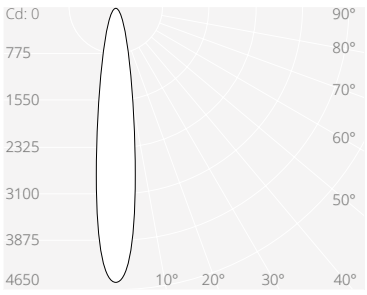
Colour Consistency: 3 SDCM at 3000K

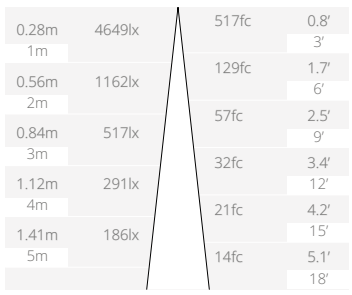
TUNABLE WHITE OUTPUT LIGHT ENGINE - PHOTOMETRY

NARROW

FWHM	16°
Delivered Flux	555 lm
Peak Intensity	4649 cd



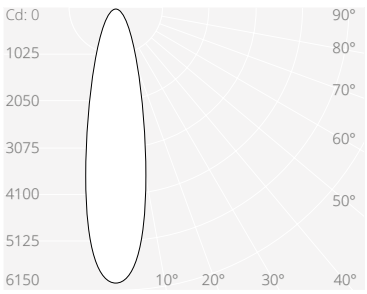


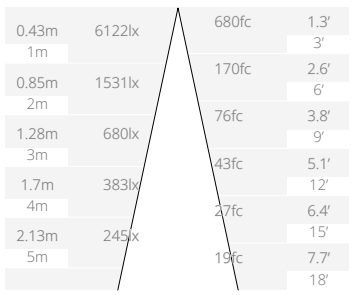


MEDIUM

FWHM	24°
Delivered Flux	1150 lm
Peak Intensity	6122 cd

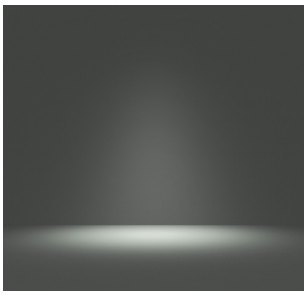


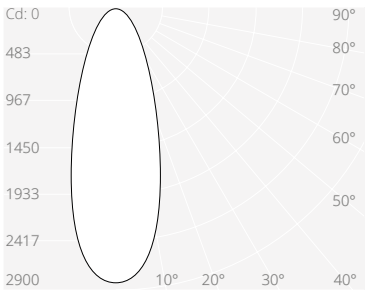




WIDE

FWHM	36°
Delivered Flux	1137 lm
Peak Intensity	2896 cd



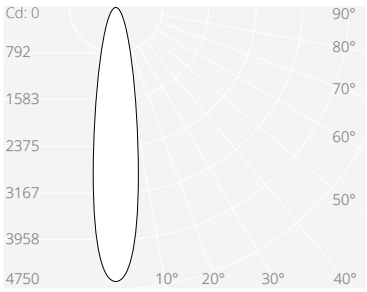


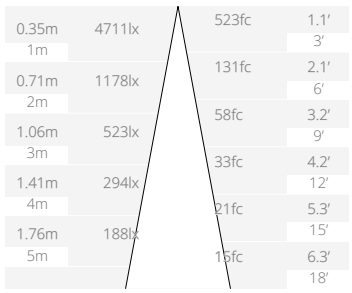


ZOOM NARROW

FWHM	20°
Delivered Flux	783 lm
Peak Intensity	4711 cd

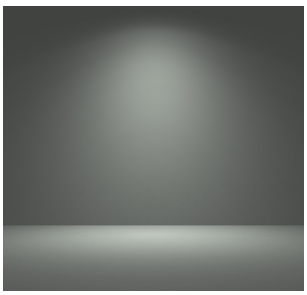


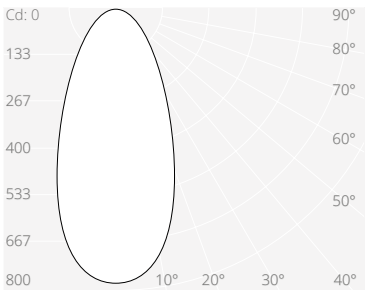


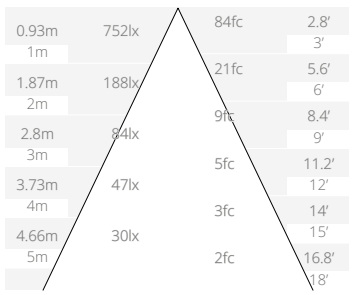


ZOOM WIDE

FWHM	50°
Delivered Flux	573 lm
Peak Intensity	752 cd







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ACCESSORIES ORDER CODE

ORDER CODES		Tunable White 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

