

NOVA - TUNABLE WHITE

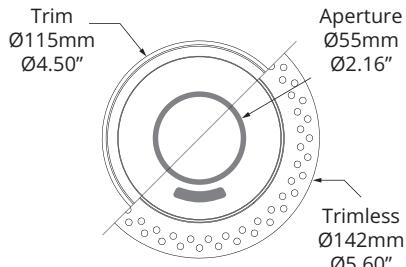
RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS



NOVA is RCL by Lumini'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 Tunable 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 ¹
DELIVERED OUTPUT	555 lm	1,292 lm	1,293 lm	940 lm ¹
PEAK INTENSITY	4,649 cd	6,640 cd	3,247 cd	5,890 cd ¹
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 ²		19.7 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	0.60kg	POWER SUPPLY	Remote, +0.36kg
MOUNTING	Recessed Ø100mm cut-out		

ORDER CODE

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

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

NOVA - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

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



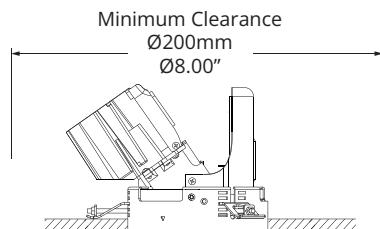
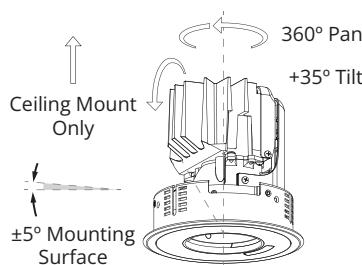
Black

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

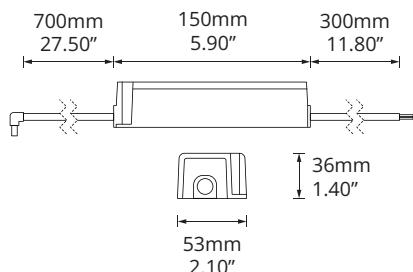
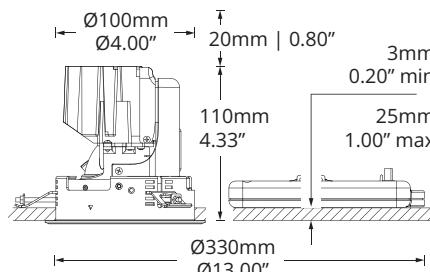
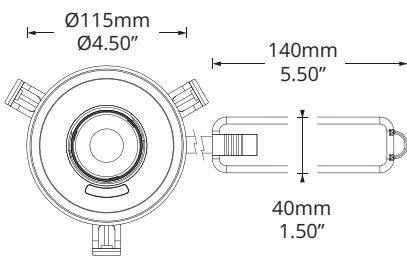
NOVA - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

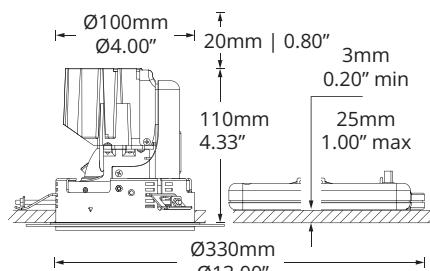
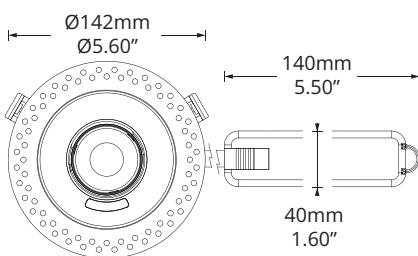
INSTALLATION CLEARANCE AND ARTICULATION



NOVA TRIMMED



NOVA TRIMLESS



NOVA - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

DIMMING & CONTROL TABLE

	CORE CONTROL OPTION In all products	ADDITIONAL CONTROL OPTION			
		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.

NOVA - TUNABLE WHITE

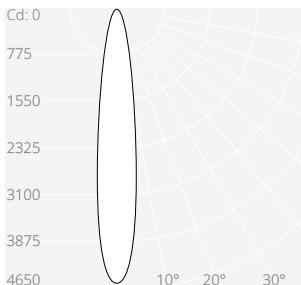
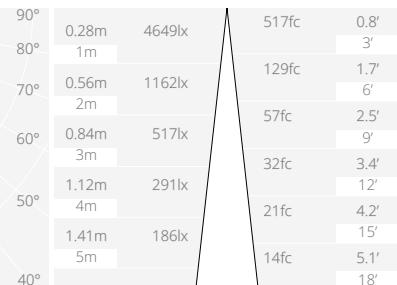
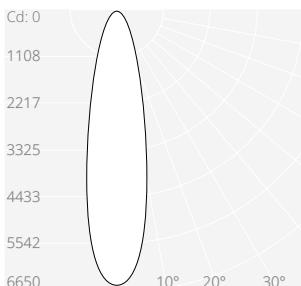
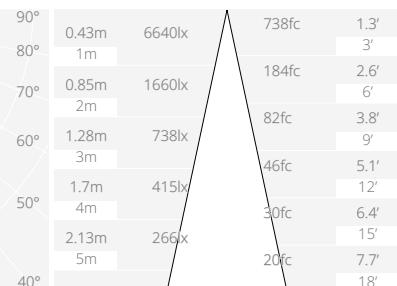
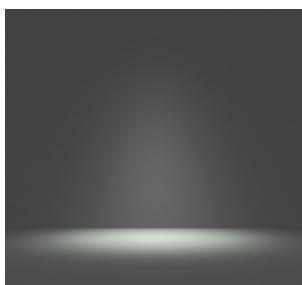
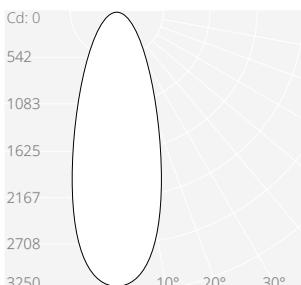
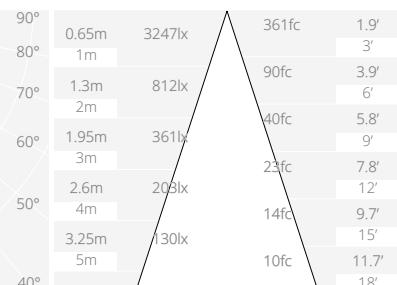
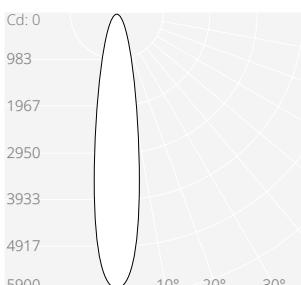
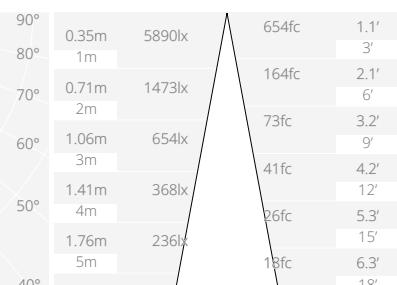
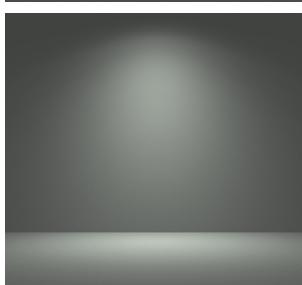
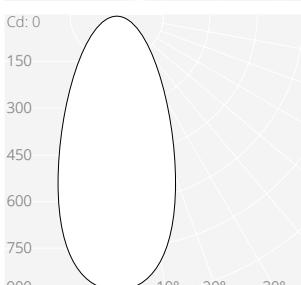
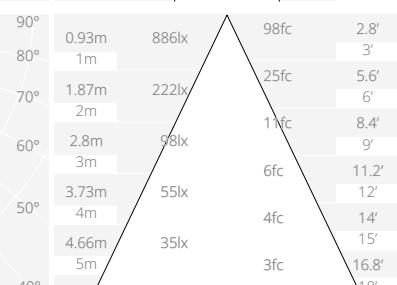
RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

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

NARROW						
FWHM	Delivered Flux		Cd: 0	1m	5m	18'
16°	555 lm	4649 cd	0.28m	4649lx	517fc	0.8'
			0.56m	1162lx	129fc	3'
			0.84m	517lx	57fc	6'
			1.12m	291lx	32fc	9'
			1.41m	186lx	21fc	12'
			1.41m	186lx	14fc	15'
			2.13m	266lx	20fc	18'
MEDIUM						
FWHM	Delivered Flux		Cd: 0	1m	5m	18'
24°	1292 lm	6640 cd	0.43m	6640lx	738fc	1.3'
			0.85m	1660lx	184fc	3'
			1.28m	738lx	82fc	6'
			1.7m	415lx	46fc	9'
			2.13m	266lx	30fc	12'
			2.13m	266lx	20fc	15'
			2.13m	266lx	20fc	18'
WIDE						
FWHM	Delivered Flux		Cd: 0	1m	5m	18'
36°	1293 lm	3247 cd	0.65m	3247lx	361fc	1.9'
			1.3m	812lx	90fc	3'
			1.95m	361lx	40fc	6'
			2.6m	208lx	23fc	9'
			3.25m	130lx	14fc	12'
			3.25m	130lx	10fc	15'
			3.25m	130lx	10fc	18'
ZOOM NARROW						
FWHM	Delivered Flux		Cd: 0	1m	5m	18'
20°	940 lm	5890 cd	0.35m	5890lx	654fc	1.1'
			0.71m	1473lx	164fc	3'
			1.06m	654lx	73fc	6'
			1.41m	368lx	41fc	9'
			1.76m	236lx	26fc	12'
			1.76m	236lx	13fc	15'
			1.76m	236lx	13fc	18'
ZOOM WIDE						
FWHM	Delivered Flux		Cd: 0	1m	5m	18'
50°	700 lm	886 cd	0.93m	886lx	98fc	2.8'
			1.87m	222lx	25fc	5.6'
			2.8m	98lx	11fc	8.4'
			3.73m	55lx	6fc	11.2'
			4.66m	35lx	4fc	14'
			4.66m	35lx	3fc	15'
			4.66m	35lx	3fc	16.8'
			4.66m	35lx	3fc	18'

NOVA - TUNABLE WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

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

