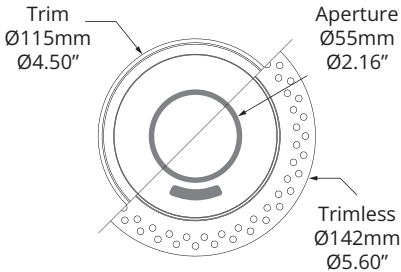




- KEY FEATURES
- 360° pan with 35° tilt Motorised Movement
 - Wired or Wireless control
 - Position and light level scene recall
 - Fully recessed and does not break the ceiling line
 - Available with IC rated housing for North America



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 is available with three fixed CCT light engines, delivering up to 1,368 lumens from a wide selection of fixed beam options as well as Zoom powered by Lensvector. NOVA is also available with Tunable White - visit their specsheets to learn more.

PERFORMANCE DATA

OUTPUT OPTIONS	INTENSE		STANDARD OUTPUT			
	6°	6-50° Zoom ¹	12°	18°	28°	12-50° Zoom ¹
BEAM OPTIONS						
DELIVERED OUTPUT	646 lm	518 lm ¹	1,243 lm	1,365 lm	1,368 lm	1,029 lm ¹
PEAK INTENSITY	31,919 cd	22,339 cd ¹	20,226 cd	11,503 cd	4,995 cd	15,004 cd ¹
LED ARRANGEMENT	Single source		Single source			
LED WATTAGE	15.6 W		18.0 W			
EFFICACY	41.4 lm/W		76 lm/W			
DYNAMIC WATTAGE	18.0 W ²		20.4 W ²			
CCT OPTIONS	2700K 3000K 4000K		2700K 3000K 4000K			

Notes

¹ Value at narrowest zoom setting

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

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	27K 2700K	IO Intense	UN Ultra Narrow 6°	230V 230V 50/60Hz	HAND Controller Only ¹	WH White ⁴
	TL Trimless	30K 3000K		ZO Zoom 6-50°		010V 0-10V ²	BK Black ⁴
		40K 4000K	SO Standard Output	NR Narrow 12°		DALI DALI ³	
				ME Medium 18°		DMX DMX	
				WD Wide 28°		RCLC RCL Control	
				ZO Zoom 12-50°			

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

LIGHT ENGINE SELECTION

This product specification sheet references our static white light engines, this product is also available with tunable 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 - STATIC WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

NOVA TRIMMED



White



Black

NOVA TRIMLESS



White



Black

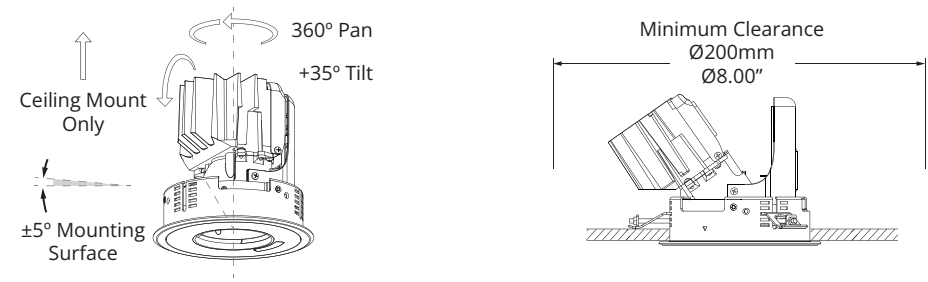
Other finishes can be supplied via our custom process, this includes custom RAL or plating. Please enquire with our team.

NOVA - STATIC WHITE

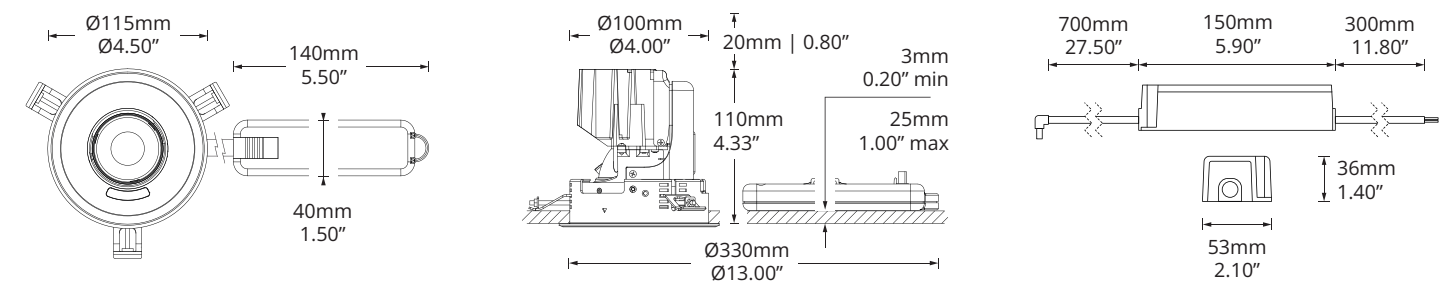


RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

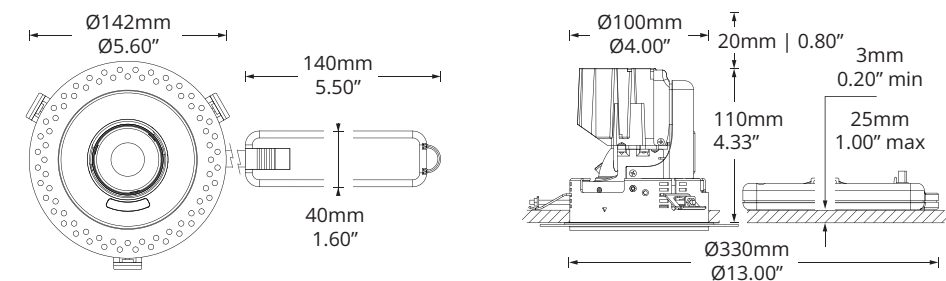
INSTALLATION CLEARANCE AND ARTICULATION



NOVA TRIMMED



NOVA TRIMLESS



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.

INTENSE OUTPUT LIGHT ENGINE - OUTPUT SCALING

CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	-	-	-	-	-	-
2700K	0.9	92	50	90	99	581
3000K	1	92	50	90	99	646
3500K	-	-	-	-	-	-
4000K	1	90	50	90	98	646

Colour Consistency: 2 SDCM at 2700K / 3000K, 3DCM at 4000K

INTENSE OUTPUT LIGHT ENGINE - PHOTOMETRY

ULTRA NARROW FWHM6° Delivered Flux646 lm Peak Intensity31909 cd		Cd: 0 5325 10650 15975 21300 26625 31950 10° 20° 30° 40° 90° 80° 70° 60° 50° 40°
--	---	--

0.1m1m31909lx

0.21m2m7977lx

0.31m3m3545lx

0.42m4m1994lx

0.52m5m1276lx

3545fc0.3'

886fc0.6'

394fc0.9'

222fc1.3'

142fc1.6'

98fc1.9'

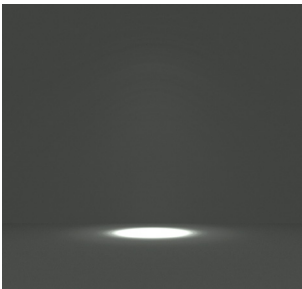
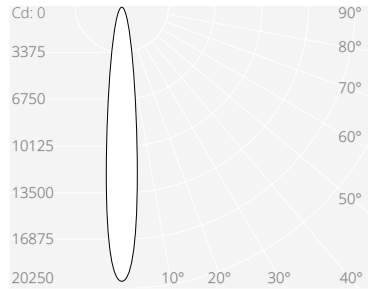
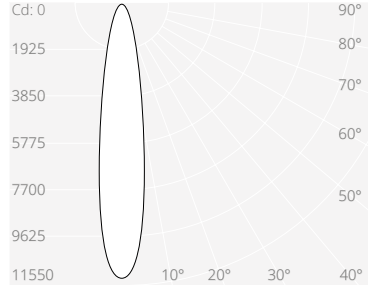
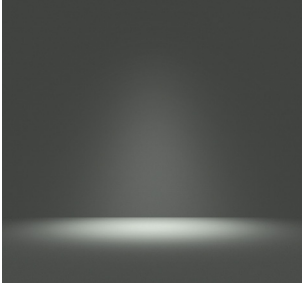
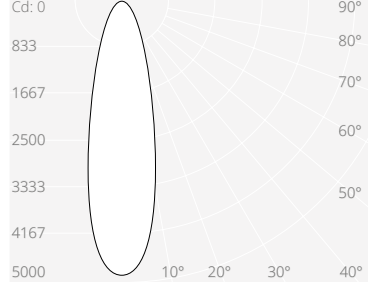
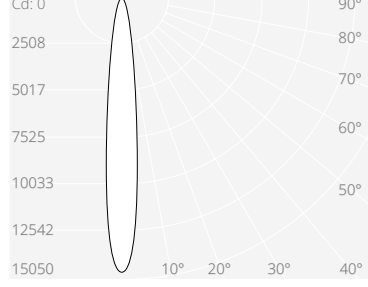
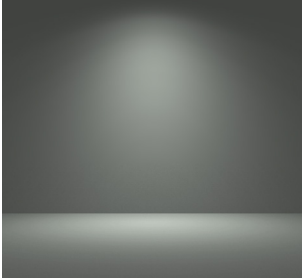
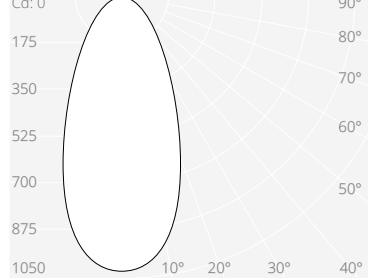
18'

STANDARD OUTPUT LIGHT ENGINE - OUTPUT SCALING

CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	-	-	-	-	-	-
2700K	1	92	53	91	99	1368
3000K	1	92	52	91	99	1368
3500K	-	-	-	-	-	-
4000K	1.15	90	50	90	99	1573

Colour Consistency: 2 SDCM

STANDARD OUTPUT LIGHT ENGINE - PHOTOMETRY

NARROW FWHM 12° Delivered Flux 1243 lm Peak Intensity 20226 cd		Cd: 0 3375 6750 10125 13500 16875 20250  10° 20° 30° 40°	0.21m 1m 0.42m 2m 0.63m 3m 0.84m 4m 1.05m 5m 20226lx 5057lx 2247lx 1264lx 809lx 2247fc 562fc 250fc 140fc 90fc 62fc 0.6' 3' 1.3' 6' 1.9' 2.5' 12' 3.2' 15' 3.8' 18'
MEDIUM FWHM 18° Delivered Flux 1365 lm Peak Intensity 11503 cd		Cd: 0 1925 3850 5775 7700 9625 11550  10° 20° 30° 40°	0.32m 1m 0.63m 2m 0.95m 3m 1.27m 4m 1.58m 5m 11503lx 2876lx 1278lx 719lx 460lx 1278fc 320fc 142fc 80fc 51fc 36fc 1' 3' 1.9' 6' 2.9' 3.8' 12' 4.8' 15' 5.7' 18'
WIDE FWHM 28° Delivered Flux 1368 lm Peak Intensity 4995 cd		Cd: 0 833 1667 2500 3333 4167 5000  10° 20° 30° 40°	0.5m 1m 1m 2m 1.5m 3m 1.99m 4m 2.49m 5m 4995lx 1249lx 555lx 312lx 200lx 555fc 139fc 62fc 35fc 22fc 15fc 1.5' 3' 6' 4.5' 9' 12' 7.5' 15' 9' 18'
ZOOM NARROW FWHM 12° Delivered Flux 1029 lm Peak Intensity 15004 cd		Cd: 0 2508 5017 7525 10033 12542 15050  10° 20° 30° 40°	0.21m 1m 0.42m 2m 0.63m 3m 0.84m 4m 1.05m 5m 15004lx 3751lx 1667lx 938lx 600lx 1667fc 417fc 185fc 104fc 67fc 46fc 0.6' 3' 1.3' 6' 1.9' 2.5' 12' 3.2' 15' 3.8' 18'
ZOOM WIDE FWHM 50° Delivered Flux 733 lm Peak Intensity 1034 cd		Cd: 0 175 350 525 700 875 1050  10° 20° 30° 40°	0.93m 1m 1.87m 2m 2.8m 3m 3.73m 4m 4.66m 5m 1034lx 259lx 135lx 65lx 41lx 115fc 29fc 13fc 7fc 5fc 3fc 2.8' 3' 5.6' 6' 8.4' 9' 11.2' 12' 14' 15' 16.8' 18'

ACCESSORIES ORDER CODE

ORDER CODES	Intense / Standard Output 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

