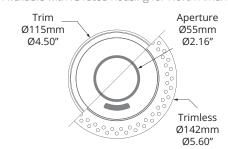


NOVA is RCL by Luminii's most compact recessed luminaire to date. It masters the art of pin spotting and accent lighting while combining excellent beam quality with all the benefits of RCL technology. NOVA Tuneable White is available with two tunable CCT light engines, delivering up to 1,150 lumens from 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 <sup>1</sup>			
DELIVERED OUTPUT	555 lm	1,150 lm	1,137 lm	783 lm <sup>1</sup>			
PEAK INTENSITY	4,649 cd	6,122 cd	2,896 cd	4,711 cd <sup>1</sup>			
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 <sup>2</sup>	16.1 W <sup>2</sup>					
CCT OPTIONS		1800K-4000K (3000K) <sup>3</sup>   2700K-6500K (5500K) <sup>3</sup>					

#### **CCT OPTIONS**

Notes

# **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	сст	— OUTPUT — BEAM A	NGLE — TYPE	<b>—</b> CONTROL	- FINISH
NOVA NOVA	TR Trimmed TL Trimless	<b>18K40K</b> 1800-4000K <sup>5</sup> <b>27K65K</b> 2700-6500K <sup>5</sup>	TWSO Tunable NR Narrot White ME Mediu WD Wide 3	m 24° Plenum IC Housing	,	WH White <sup>4</sup> BK Black <sup>4</sup>
			<b>ZO</b> 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
- $^{
  m 4}$  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

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

# **NOVA - TUNABLE WHITE**



IC RECESSED TRIMMED & TRIMLESS - FOR NORTH AMERICA

#### 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

# **S**TANDARD **O**UTPUT

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 TRIMMED**





White Black

# **NOVA TRIMLESS**



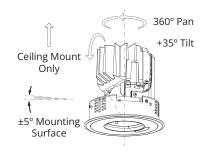


White Black

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

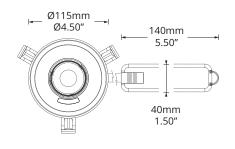


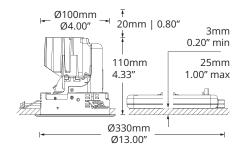
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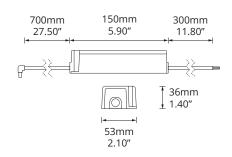




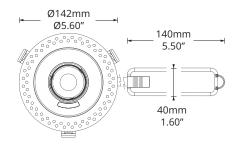
### **NOVA TRIMMED**

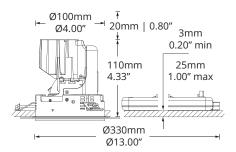




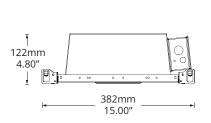


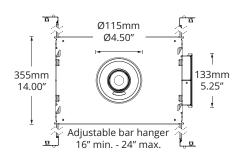
#### **NOVA TRIMLESS**

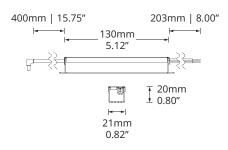




#### 120V / 277V IC HOUSING FOR NORTH AMERICA







# **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	<b>✓</b>	✓	1	✓	

<sup>1.</sup> 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.



#### TUNABLE WHITE OUTPUT LIGHT ENGINE - OUTPUT SCALING

ССТ	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

TONABLE WIT	THE OUTPUT LIG	HI ENGINE - PHOTO	IVIETRY						
NARROW			Cd: 0			0° 0.28m	4649lx	517fc	0.8'
FWHM	16°		775			0° 1m 0° 0.56m	1162lx	129fc	1.7'
			1550			2m 0° 0.84m	517lx	57fc	2.5' 9'
Delivered Flux	555 lm		2325			3m 1.12m	291lx	32fc	3.4' 12'
Peak Intensity	4649 cd		3100		5	0° 4m	186lx	21fc	4.2′ 15′
			3875 4650	10° 20°	30° 4	5m	TOOK	14fc	5.1′ 18′
MEDIUM			Cd: 0			0° 0.43m	6122lx	680fc	1.3′
			1025			0° 1m 0° 0.85m	1531lx	170fc	2.6'
FWHM	24°		2050			2m	680lx	76fc	6' 3.8' 9'
Delivered Flux	1150 lm		3075			3m	383lx	43fc	5.1' 12'
Peak Intensity	6122 cd		4100		5	0° 4m		27fc	6.4'
			5125 6150	10° 20°	30° 4	2.13m 5m	245(x	19fc	7.7'
WIDE			Cd: 0	10 20		0° 0.65m	2896lx	\ 322fc	1.9'
			483			0° 1m	724lx	80fc	3' 3.9'
FWHM	36°	_	967			2m		36fc	6′ 5.8′
Delivered Flux	1137 lm		1450			0° 1.95m 3m	322lx	20fc	7.8'
Peak Intensity	2896 cd		1933		5	0° 2.6m 4m	18/1lx	13fc	12' 9.7'
			2417			3.25m 5m	/116lx	9fc	15′
70.014.114.00.01	.,		2900 Cd: 0	10° 20°		0° 0.35m	4711lx	↑ 523fc	18'
ZOOM NARROY	N		792		3	0° 1m		131fc	3′ 2.1′
FWHM	20°		1583		7	0° 0.71m 2m	1178lx	58fc	6' 3.2'
Delivered Flux	783 lm		2375			0° 1.06m 3m	523lx	33fc	9' 4.2'
Peak Intensity	4711 cd		3167		5	1.41m 0° 4m	294lx	21fc	12' 5.3'
			3958			1.76m 5m	188lx	15fc	15' 6.3'
			4750 Cd: 0	10° 20°		0°			18' 2.8'
ZOOM WIDE		-	133		-	0.93m 0° 1m	752lx	21fc	3' 5.6'
FWHM	50°		267		7	0° 1.87m 2m	188lx/	91/2	6' 8.4'
Delivered Flux	573 lm		400		6	0° 2.8m 3m	84lx	5fc \	9'
Peak Intensity	752 cd		533			3.73m 4m	47lx	3fc	12'
			667			4.66m 5m	30lx	2fc	15'
			800	10° 20°	30° 4	0°			18'



#### **ACCESSORIES ORDER CODE**

		Tunable White Fixed beam & Zoom	Use
ORDER CODES	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
O	WIDE MICROLENS	12620	Heavy beam softening

### **FEATURE MAP**

