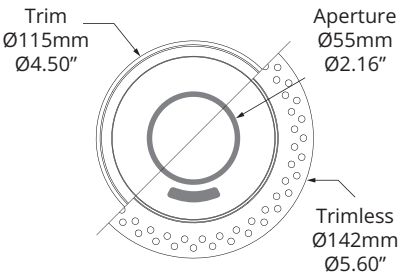
NOVA - STATIC WHITE

RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

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.

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	INTENSE		STANDARD OUTPUT			
BEAM OPTIONS	6°	6-50° Zoom [1]	12°	18°	28°	12-50° Zoom [1]
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	OUTPUT	CCT	BEAM ANGLE	TYPE	CONTROL	FINISH
NOVA *NOVA*	**TR** *Trimmed*	**IO** *Intense*	**27K** *2700K*	**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*			**DALI** *DALI [3]*	
						DMX *DMX*	
						RCLC *RCL Control*	
		SO *Standard Output*	**27K** *2700K*	**NR** *Narrow 12°*			
			30K *3000K*	**ME** *Medium 18°*			
			40K *4000K*	**WD** *Wide 28°*			
				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

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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

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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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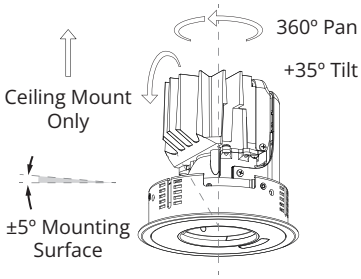
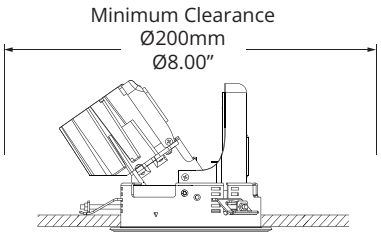
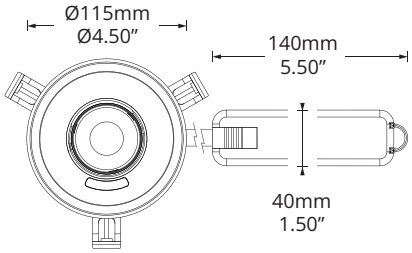
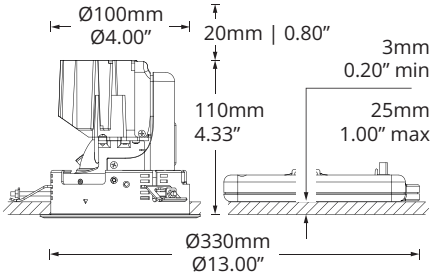
INSTALLATION CLEARANCE AND ARTICULATION

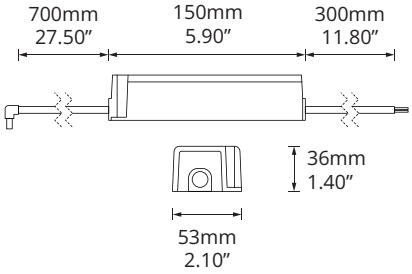




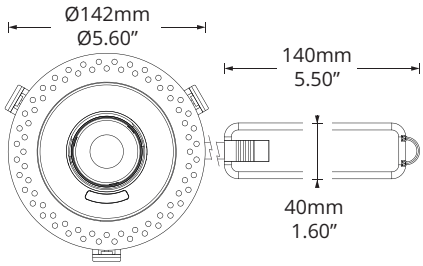
NOVA TRIMMED

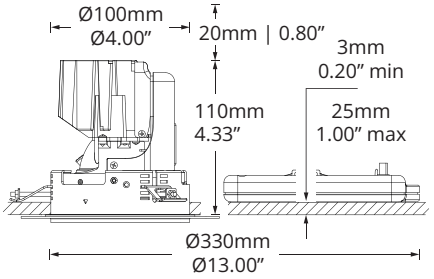






NOVA TRIMLESS





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RECESSED TRIMMED & TRIMLESS - FOR 230V AC REGIONS

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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INTENSE OUTPUT LIGHT ENGINE - OUTPUT SCALING

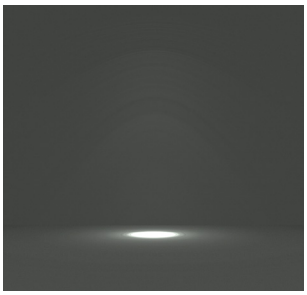
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	-	-	-	-	-	-
2700K	0.9	92	50	90	99	581
3000K	1	92	50	90	99	646
3500K	-	-	-	-	-	-
4000K	1	90	50	90	98	646

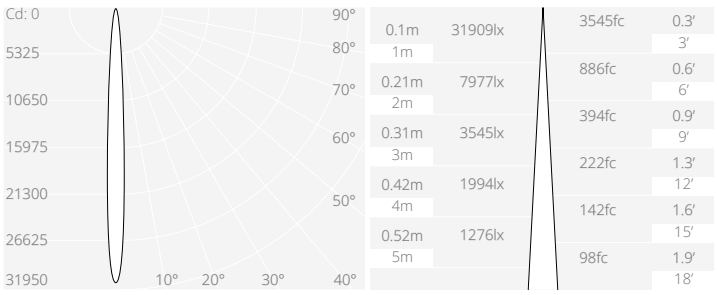
Colour Consistency: 2 SDCM at 2700K / 3000K, 3DCM at 4000K

INTENSE OUTPUT LIGHT ENGINE - PHOTOMETRY

ULTRA NARROW

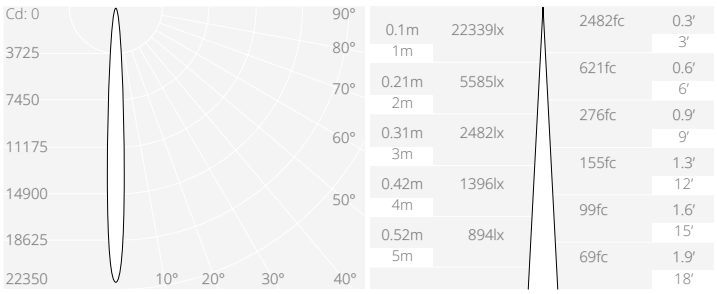
FWHM	6°
Delivered Flux	646 lm
Peak Intensity	31909 cd





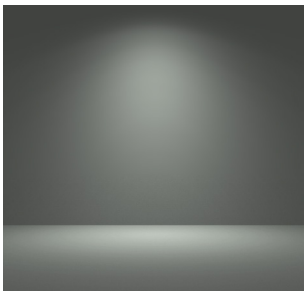
ZOOM ULTRA NARROW

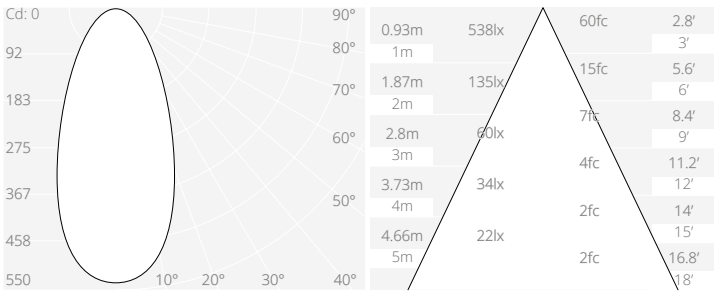
FWHM	6°
Delivered Flux	518 lm
Peak Intensity	22339 cd



ZOOM WIDE

FWHM	50°
Delivered Flux	359 lm
Peak Intensity	538 cd





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STANDARD OUTPUT LIGHT ENGINE - OUTPUT SCALING

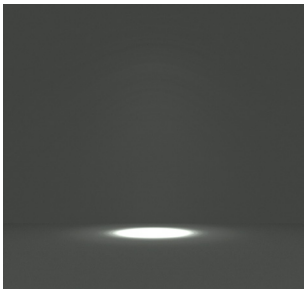
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	-	-	-	-	-	-
2700K	1	92	53	91	99	1368
3000K	1	92	52	91	99	1368
3500K	-	-	-	-	-	-
4000K	1.15	90	50	90	99	1573

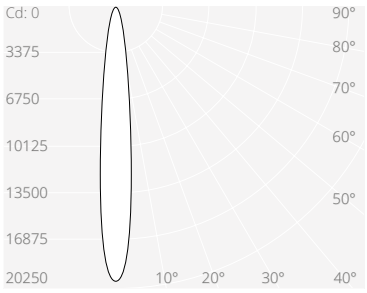
Colour Consistency: 2 SDCM

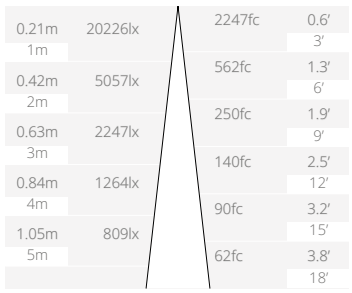
STANDARD OUTPUT LIGHT ENGINE - PHOTOMETRY

NARROW

FWHM	12°
Delivered Flux	1243 lm
Peak Intensity	20226 cd

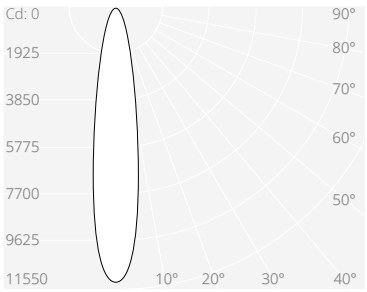


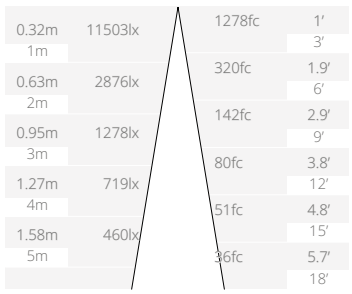




MEDIUM

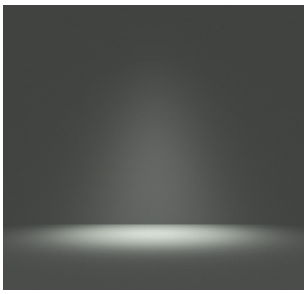
FWHM	18°
Delivered Flux	1365 lm
Peak Intensity	11503 cd

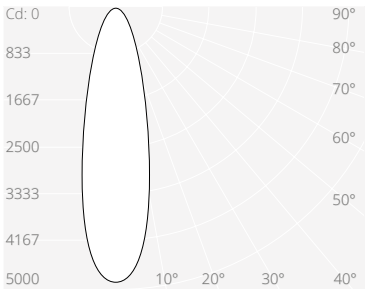


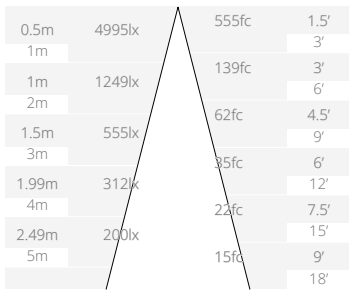


WIDE

FWHM	28°
Delivered Flux	1368 lm
Peak Intensity	4995 cd

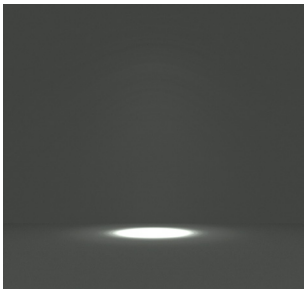


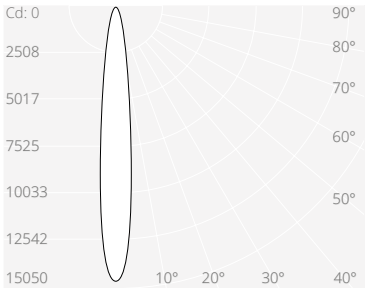


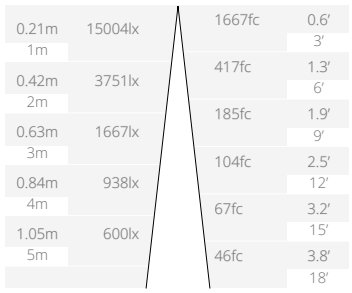


ZOOM NARROW

FWHM	12°
Delivered Flux	1029 lm
Peak Intensity	15004 cd

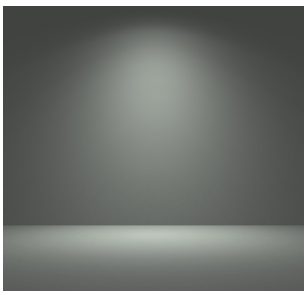


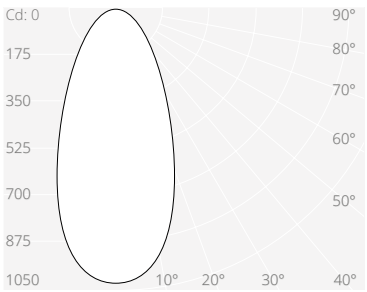


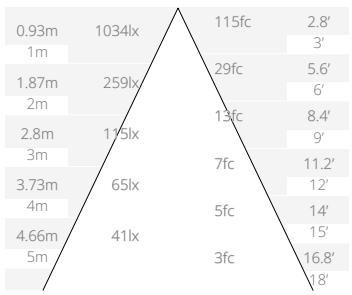


ZOOM WIDE

FWHM	50°
Delivered Flux	733 lm
Peak Intensity	1034 cd







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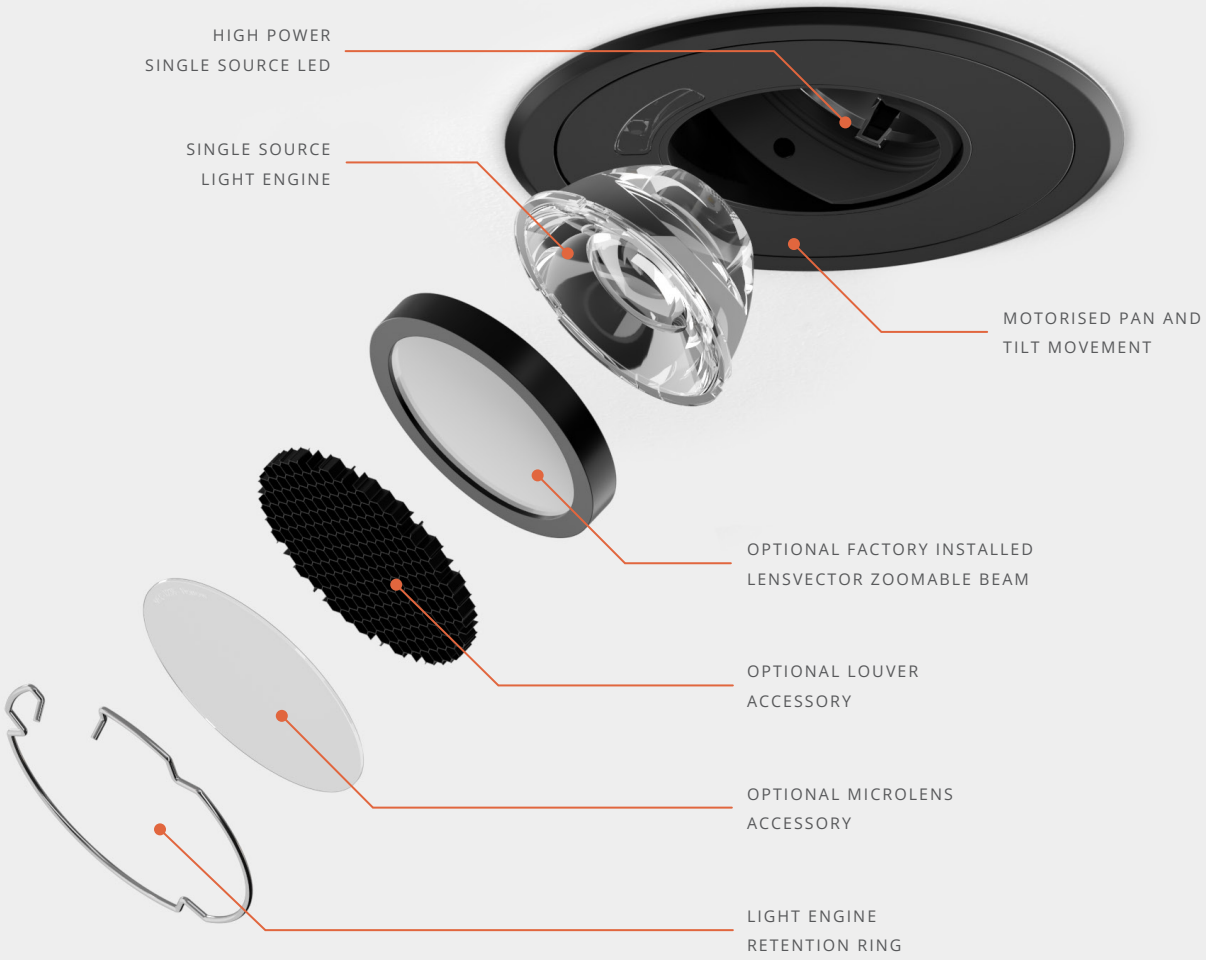
ACCESSORIES ORDER CODE

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



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