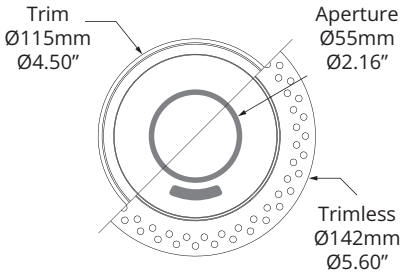




NOVA is RCL by Luminii’s most compact recessed luminaire to date. It masters the art of pin spotting and accent lighting while combining excellent beam quality with all the benefits of RCL technology. NOVA is available with three fixed CCT light engines, delivering up to 1,138 lumens from a wide selection 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       |          |          |                          |
|------------------|-----------------------|-------------------------|-----------------------|----------|----------|--------------------------|
|                  | 6°                    | 6-50° Zoom <sup>1</sup> | 12°                   | 18°      | 28°      | 12-50° Zoom <sup>1</sup> |
| BEAM OPTIONS     |                       |                         |                       |          |          |                          |
| DELIVERED OUTPUT | 531 lm                | 405 lm <sup>1</sup>     | 1,007 lm              | 1,138 lm | 1,104 lm | 820 lm <sup>1</sup>      |
| PEAK INTENSITY   | 27,278 cd             | 17,728 cd <sup>1</sup>  | 14,604 cd             | 9,350 cd | 3,986 cd | 11,405 cd <sup>1</sup>   |
| LED ARRANGEMENT  | Single source         |                         | Single source         |          |          |                          |
| LED WATTAGE      | 9.6 W                 |                         | 13.6 W                |          |          |                          |
| EFFICACY         | 55.3 lm/W             |                         | 83.6 lm/W             |          |          |                          |
| DYNAMIC WATTAGE  | 12.0 W <sup>2</sup>   |                         | 16.0 W <sup>2</sup>   |          |          |                          |
| CCT OPTIONS      | 2700K   3000K   4000K |                         | 2700K   3000K   4000K |          |          |                          |

Notes

<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.

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    | CCT       | OUTPUT             | BEAM ANGLE         | TYPE                                     | CONTROL                           | FINISH                |
|-----------|-------------|-----------|--------------------|--------------------|------------------------------------------|-----------------------------------|-----------------------|
| NOVA NOVA | TR Trimmed  | 27K 2700K | IO Intense         | UN Ultra Narrow 6° | UNICP 120-277V Chicago Plenum IC Housing | HAND Controller Only <sup>1</sup> | WH White <sup>4</sup> |
|           | TL Trimless | 30K 3000K |                    | ZO Zoom 6-50°      |                                          | 010V 0-10V <sup>2</sup>           | BK Black <sup>4</sup> |
|           |             | 40K 4000K | SO Standard Output | NR Narrow 12°      |                                          | DALI DALI <sup>3</sup>            |                       |
|           |             |           |                    | ME Medium 18°      |                                          | DMX DMX                           |                       |
|           |             |           |                    | WD Wide 28°        |                                          | RCLC RCL Control                  |                       |
|           |             |           |                    | ZO Zoom 12-50°     |                                          |                                   |                       |

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

<sup>4</sup> 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

IC RECESSED TRIMMED & TRIMLESS - FOR NORTH AMERICA

### NOVA TRIMMED

---



White



Black

### NOVA TRIMLESS

---



White



Black

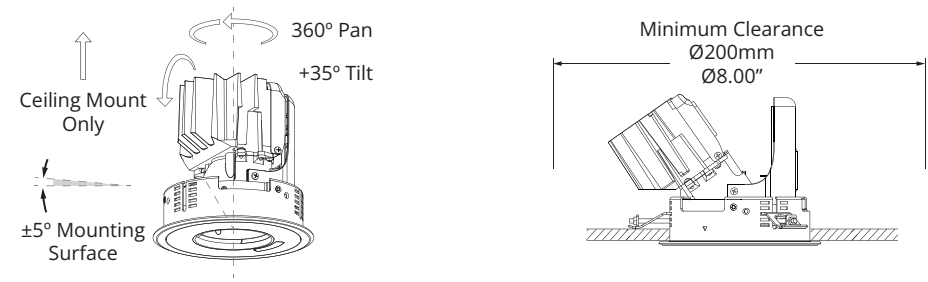
Other finishes can be supplied via our custom process, this includes custom RAL or plating. Please enquire with our team.

# NOVA - STATIC WHITE

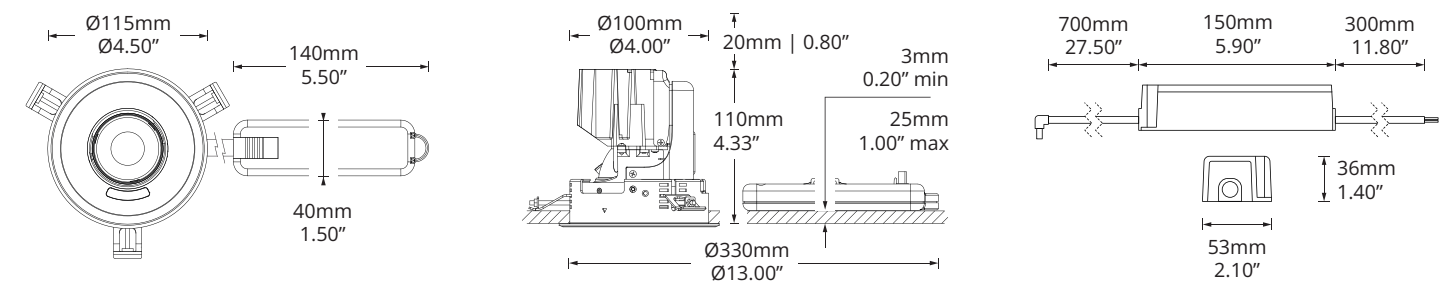


IC RECESSED TRIMMED & TRIMLESS - FOR NORTH AMERICA

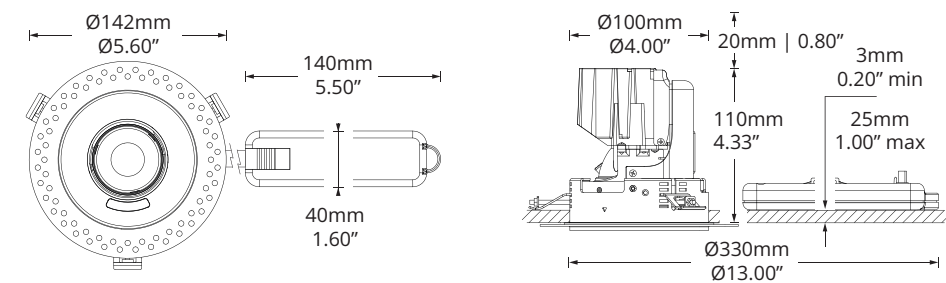
## INSTALLATION CLEARANCE AND ARTICULATION



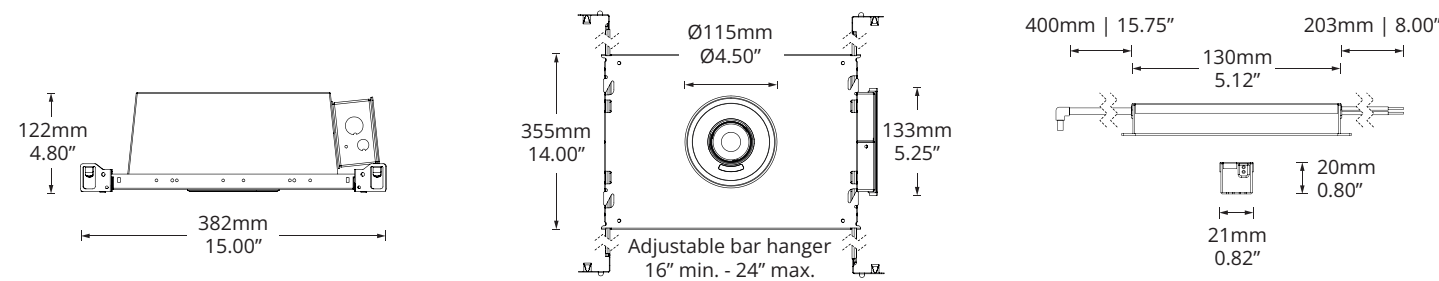
## NOVA TRIMMED



## NOVA TRIMLESS



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



## DIMMING &amp; CONTROL TABLE

|                    | CORE<br>CONTROL OPTION<br>In all products | ADDITIONAL CONTROL OPTION<br>1 can be used in addition to the handheld remote<br>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 &amp; 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

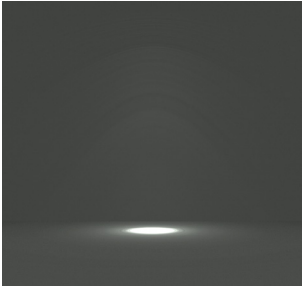
| CCT   | Output Multiplier | CRI | R9 Typ. | TM-30: Rf | TM-30: Rg | Max Lm |
|-------|-------------------|-----|---------|-----------|-----------|--------|
| 2400K | -                 | -   | -       | -         | -         | -      |
| 2700K | 0.9               | 92  | 50      | 90        | 99        | 478    |
| 3000K | 1                 | 92  | 50      | 90        | 99        | 531    |
| 3500K | -                 | -   | -       | -         | -         | -      |
| 4000K | 1                 | 90  | 50      | 90        | 98        | 531    |

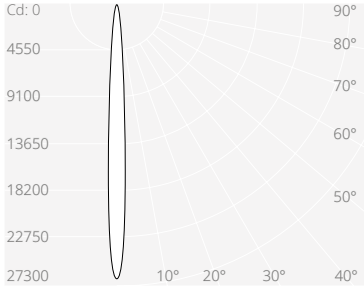
Colour Consistency: 2 SDCM at 2700K / 3000K, 3DCM at 4000K

INTENSE OUTPUT LIGHT ENGINE - PHOTOMETRY

ULTRA NARROW

|                |          |
|----------------|----------|
| FWHM           | 6°       |
| Delivered Flux | 531 lm   |
| Peak Intensity | 27278 cd |

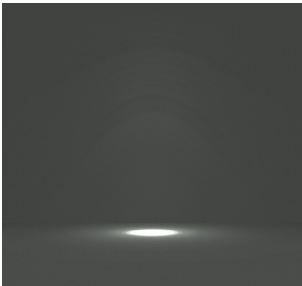


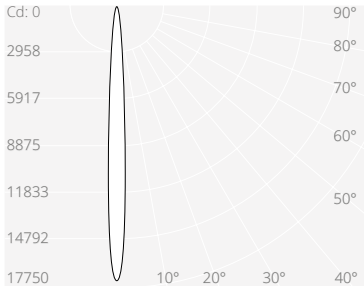


|       |     |       |         |        |      |
|-------|-----|-------|---------|--------|------|
| Cd: 0 | 90° | 0.1m  | 27278lx | 3031fc | 0.3' |
| 4550  | 80° | 1m    |         |        | 3'   |
| 9100  | 70° | 0.21m | 6820lx  | 758fc  | 0.6' |
| 13650 | 60° | 2m    |         |        | 6'   |
| 18200 | 50° | 0.31m | 3031lx  | 337fc  | 0.9' |
| 22750 | 40° | 3m    |         |        | 9'   |
| 27300 |     | 0.42m | 1705lx  | 189fc  | 1.3' |
|       |     | 4m    |         |        | 12'  |
|       |     | 0.52m | 1091lx  | 121fc  | 1.6' |
|       |     | 5m    |         |        | 15'  |
|       |     |       |         | 84fc   | 1.9' |
|       |     |       |         |        | 18'  |

ZOOM ULTRA NARROW

|                |          |
|----------------|----------|
| FWHM           | 6°       |
| Delivered Flux | 405 lm   |
| Peak Intensity | 17728 cd |

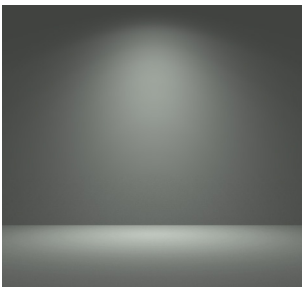


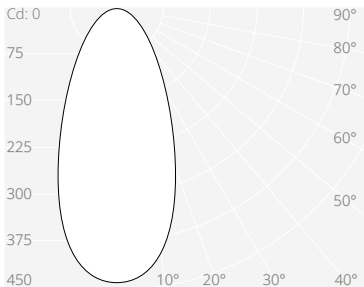


|       |     |       |         |        |      |
|-------|-----|-------|---------|--------|------|
| Cd: 0 | 90° | 0.1m  | 17728lx | 1970fc | 0.3' |
| 2958  | 80° | 1m    |         |        | 3'   |
| 5917  | 70° | 0.21m | 4432lx  | 492fc  | 0.6' |
| 8875  | 60° | 2m    |         |        | 6'   |
| 11833 | 50° | 0.31m | 1970lx  | 219fc  | 0.9' |
| 14792 | 40° | 3m    |         |        | 9'   |
| 17750 |     | 0.42m | 1108lx  | 123fc  | 1.3' |
|       |     | 4m    |         |        | 12'  |
|       |     | 0.52m | 709lx   | 79fc   | 1.6' |
|       |     | 5m    |         |        | 15'  |
|       |     |       |         | 55fc   | 1.9' |
|       |     |       |         |        | 18'  |

ZOOM WIDE

|                |        |
|----------------|--------|
| FWHM           | 50°    |
| Delivered Flux | 293 lm |
| Peak Intensity | 434 cd |





|       |     |       |       |      |       |
|-------|-----|-------|-------|------|-------|
| Cd: 0 | 90° | 0.93m | 434lx | 48fc | 2.8'  |
| 75    | 80° | 1m    |       |      | 3'    |
| 150   | 70° | 1.87m | 109lx | 12fc | 5.6'  |
| 225   | 60° | 2m    |       |      | 6'    |
| 300   | 50° | 2.8m  | 48lx  | 5fc  | 8.4'  |
| 375   |     | 3m    |       |      | 9'    |
| 450   |     | 3.73m | 27lx  | 3fc  | 11.2' |
|       |     | 4m    |       |      | 12'   |
|       |     | 4.66m | 17lx  | 2fc  | 14'   |
|       |     | 5m    |       |      | 15'   |
|       |     |       |       | 1fc  | 16.8' |
|       |     |       |       |      | 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        | 1138   |
| 3000K | 1                 | 92  | 52      | 91        | 99        | 1138   |
| 3500K | -                 | -   | -       | -         | -         | -      |
| 4000K | 1.15              | 90  | 50      | 90        | 99        | 1309   |

Colour Consistency: 2 SDCM

STANDARD OUTPUT LIGHT ENGINE - PHOTOMETRY

|                |          |       |    |       |         |        |       |
|----------------|----------|-------|----|-------|---------|--------|-------|
| NARROW         |          |       |    | Cd: 0 | 14604lx | 1623fc | 0.6'  |
| FWHM           | 12°      |       |    | 2442  | 1m      | 406fc  | 1.3'  |
| Delivered Flux | 1007 lm  |       |    | 4883  | 0.42m   | 180fc  | 1.9'  |
| Peak Intensity | 14604 cd |       |    | 7325  | 2m      | 101fc  | 2.5'  |
|                |          |       |    | 9767  | 3m      | 65fc   | 3.2'  |
|                |          | 12208 | 4m | 45fc  | 3.8'    |        |       |
|                |          | 14650 | 5m |       | 18'     |        |       |
| MEDIUM         |          |       |    | Cd: 0 | 9350lx  | 1039fc | 1'    |
| FWHM           | 18°      |       |    | 1558  | 1m      | 260fc  | 1.9'  |
| Delivered Flux | 1138 lm  |       |    | 3117  | 0.63m   | 115fc  | 2.9'  |
| Peak Intensity | 9350 cd  |       |    | 4675  | 2m      | 65fc   | 3.8'  |
|                |          |       |    | 6233  | 3m      | 42fc   | 4.8'  |
|                |          | 7792  | 4m |       | 15'     |        |       |
|                |          | 9350  | 5m | 29fc  | 5.7'    |        |       |
| WIDE           |          |       |    | Cd: 0 | 3986lx  | 443fc  | 1.5'  |
| FWHM           | 28°      |       |    | 667   | 1m      | 111fc  | 3'    |
| Delivered Flux | 1104 lm  |       |    | 1333  | 1m      | 49fc   | 4.5'  |
| Peak Intensity | 3986 cd  |       |    | 2000  | 2m      | 28fc   | 6'    |
|                |          |       |    | 2667  | 3m      | 18fc   | 7.5'  |
|                |          | 3333  | 4m |       | 15'     |        |       |
|                |          | 4000  | 5m | 12fc  | 9'      |        |       |
| ZOOM NARROW    |          |       |    | Cd: 0 | 11405lx | 1267fc | 0.6'  |
| FWHM           | 12°      |       |    | 1908  | 1m      | 317fc  | 1.3'  |
| Delivered Flux | 820 lm   |       |    | 3817  | 0.42m   | 141fc  | 1.9'  |
| Peak Intensity | 11405 cd |       |    | 5725  | 2m      | 79fc   | 2.5'  |
|                |          |       |    | 7633  | 3m      | 51fc   | 3.2'  |
|                |          | 9542  | 4m |       | 15'     |        |       |
|                |          | 11450 | 5m | 35fc  | 3.8'    |        |       |
| ZOOM WIDE      |          |       |    | Cd: 0 | 796lx   | 88fc   | 2.8'  |
| FWHM           | 50°      |       |    | 133   | 1m      | 22fc   | 5.6'  |
| Delivered Flux | 577 lm   |       |    | 267   | 1.87m   | 10fc   | 8.4'  |
| Peak Intensity | 796 cd   |       |    | 400   | 2m      | 6fc    | 11.2' |
|                |          |       |    | 533   | 3m      | 4fc    | 14'   |
|                |          | 667   | 4m |       | 15'     |        |       |
|                |          | 800   | 5m | 2fc   | 16.8'   |        |       |

ACCESSORIES ORDER CODE

| ORDER CODES | Intense / Standard Output<br>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

