G-RO

GO BIG. **GO** BOLD. **GO** ROGUE.

3G LIGHTING

3G’s CURVED CHANNEL SERIES

Reimagining Linear Lighting Through the Power of the Curve

G-RO redefines what a recessed lighting system can do—bringing curvature, control, and clarity into a unified platform. Its modular design supports continuous runs in both straight and sweeping forms, enabling more responsive layouts without sacrificing performance. Available in 4.8” and 5.8” apertures, G-RO accepts a full suite of high-performance modules: fixed and adjustable downlights, open gimbals, and low-glare optics with UGR <10. Every insert maintains beam integrity, aiming precision, and optical cutoff—even in curved configurations.

The result is a system that resolves ceiling design and lighting strategy in one move. It supports complexity without compromise, allowing light to follow geometry, reinforce flow, and shape perception with intent. G-RO doesn’t conform to the ceiling—it works with it.

LIGHTING, ENGINEERED TO MOVE

Precision-Formed Architecture

Standardized radii from **R12** to **R48** and angles of **30°, 45°, 60°, and 90°** allow curved and linear segments to connect cleanly—supporting smooth transitions, repeatable patterns, and precise alignment with architectural geometry.

Visual and System Continuity

All segments maintain consistent aperture and depth, ensuring uninterrupted ceiling lines and eliminating the need to switch systems between curves and straights. The result is a cohesive ceiling design with embedded lighting continuity.

Configured for Complexity

G-RO is built to support complex layouts without becoming a custom project. Radii, angles, and inserts are selected from a predefined system—streamlining design, reducing coordination effort, and ensuring a more predictable installation process.

Performance-Driven Inserts

All modules offer beam angles ranging from 10° to 90°, enabling everything from focused accent lighting to wide, uniform general illumination. Optional softening lenses and louvers are available to reduce glare and fine-tune the lighting experience, especially in visually sensitive or low-ceiling environments. G-RO allows you to shape light with precision while maintaining continuity across curves and transitions.

Part of a Larger Ecosystem

Every insert available in G-RO is also used across other 3G product families. This enables cohesive lighting design across different ceiling systems while simplifying specifications and ensuring visual consistency throughout the project.

4.8” CURVED SLOT

5.8” CURVED SLOT

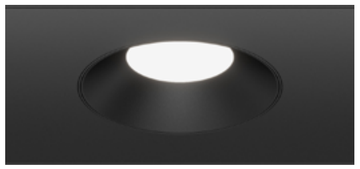
ILLUMINATED OPTIONS

3.3” ROUND DOWNLIGHT

MINI MADISON DUAL AXIS

ILLUMINATED OPTIONS

3.3” ROUND DOWNLIGHT



MADISON DUAL AXIS

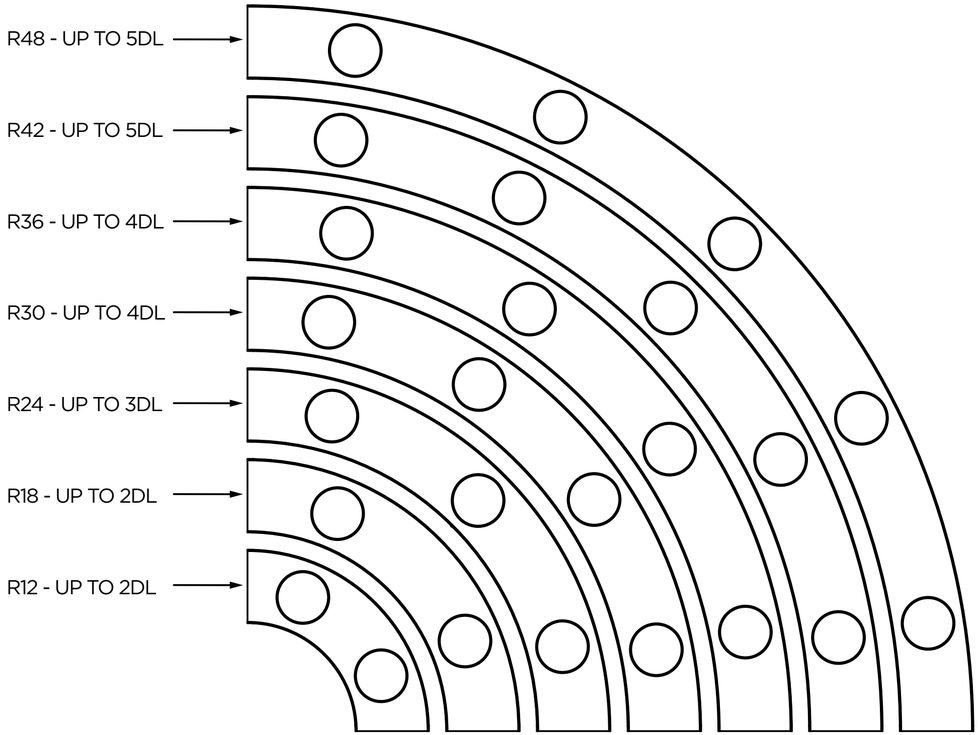
CLOSED CHANNEL

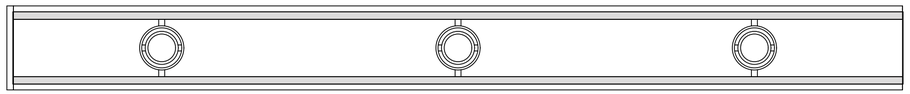
OPEN CHANNEL

CLOSED CHANNEL

OPEN CHANNEL

STANDARD CONFIGURATIONS

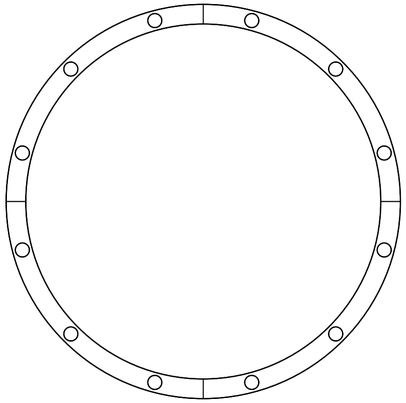




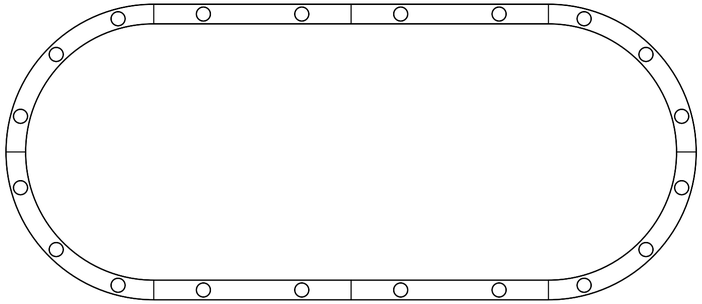
COMBINATIONS

STANDARD CONFIGURATIONS

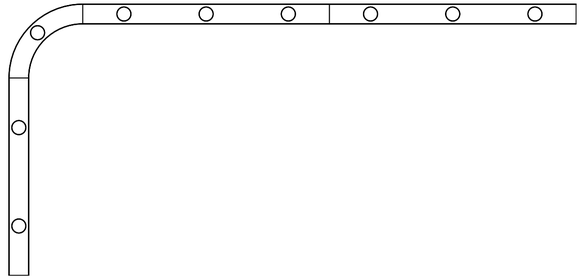
RING



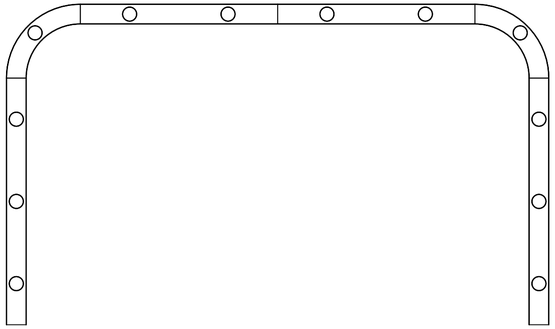
PILL



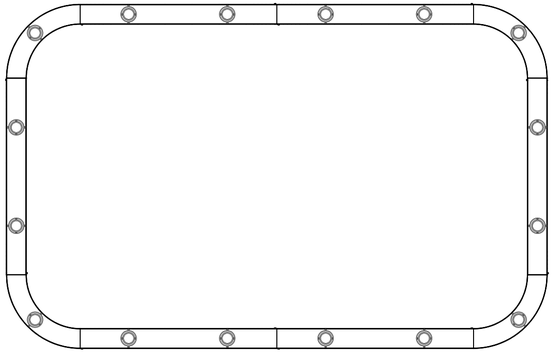
L-SHAPE



U-SHAPE

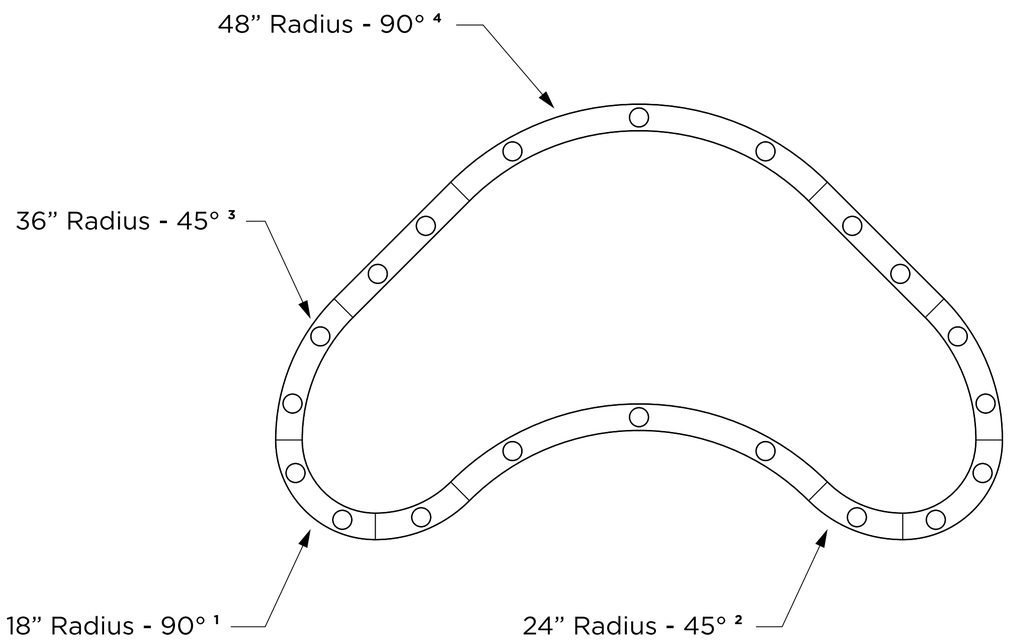


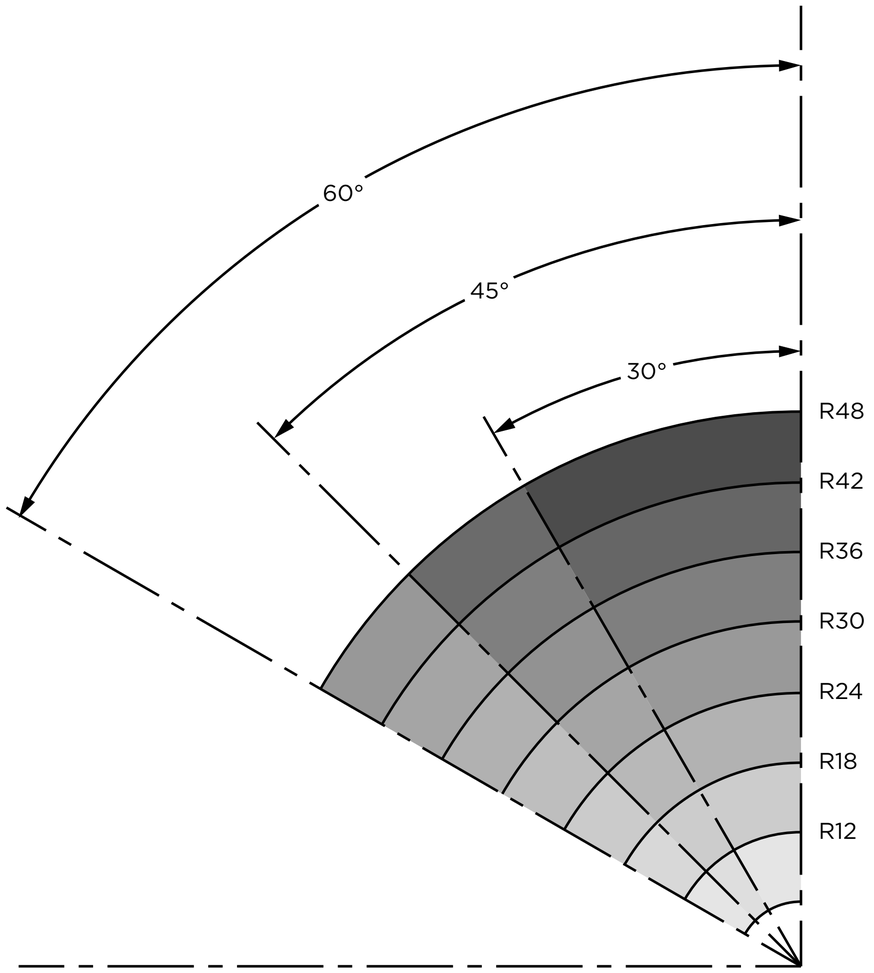
RECTANGLE/SQUARE



FOR UNIQUE GEOMETRIES, SWITCH TO CUSTOM MODE; SUBMIT A SKETCH OF YOUR DESIRED LAYOUT

CUSTOM CONFIGURATIONS

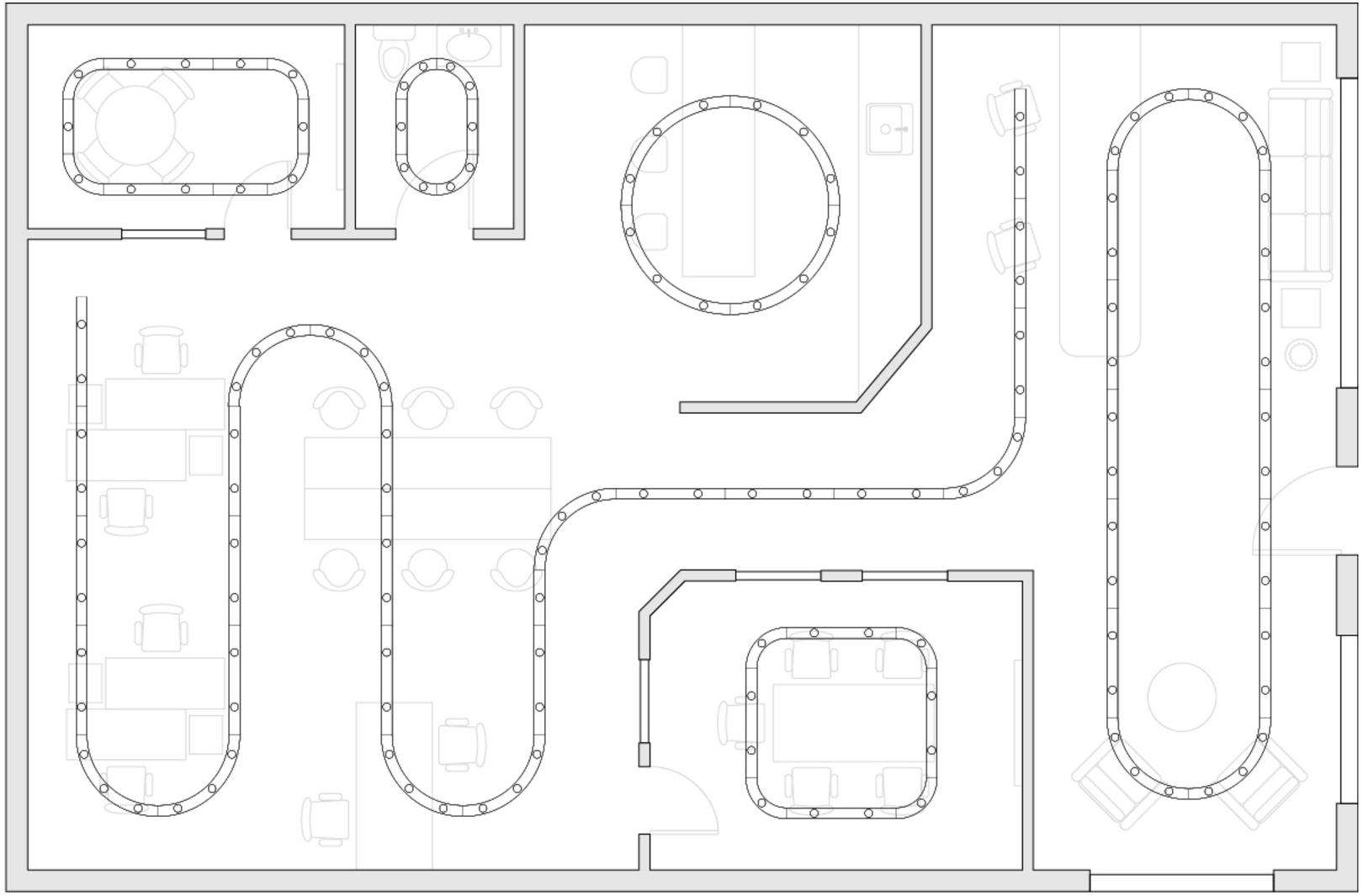




MAXIMUM NUMBER OF DOWNLIGHTS

	30°	45°	60°	90°
R12		○	○	○ ○
R18	○	○	○	● ● [1]
R24	○	● ○ [2]	○ ○	○ ○ ○
R30	○	○ ○	○ ○	○ ○ ○ ○
R36	○	● ● [3]	○ ○ ○	○ ○ ○ ○
R42	○	○ ○	○ ○ ○	○ ○ ○ ○ ○
R48	○	○ ○	○ ○ ○	● ● ● ○ ○ [4]

CUSTOM CONFIGURATIONS



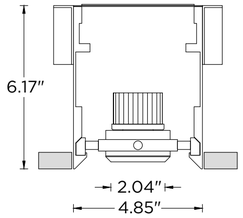
MADISON

Open-Channel Performance. Designed to Show.

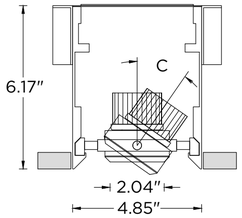
Madison defines the open aesthetic of G-RO. With exposed optics and field-aimed adjustability, it creates a performance-driven visual language while maintaining quiet confidence in the ceiling.

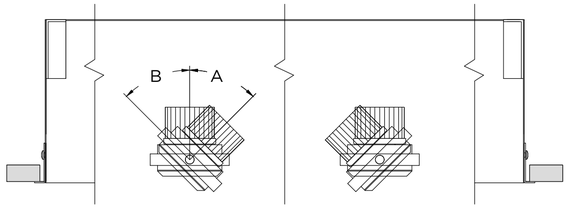
Built for higher-output applications and demanding ceiling heights, Madison is available with wide beam ranges, full optical control, and delivers **up to 4000 lumens** at high efficacy levels — all while maintaining flexibility across curve geometries.

M5 - MINI MADISON DUAL AXIS

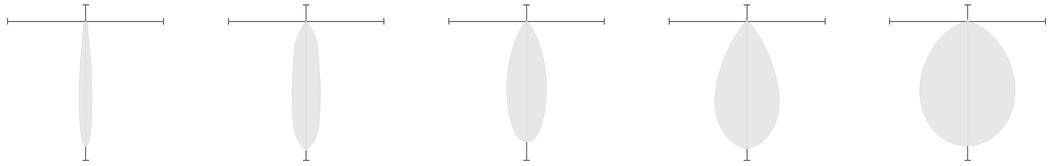


WIDTH





LENGTH



10° 20° 40° 60° 90°

GIMBAL APERTURE: 2.00"
COLOR TEMP: 27K, 30K, 35K, 40K
CRI: 95+
COLOR CONSISTENCY: <2 SDCM

DELIVERED LUMENS: 1000 - 2250 LM
EFFICACY: 102 - 113 LPW *
WATTAGE: 8.9 - 22.1 W *
L90: 50,000 HOURS

OPTICS: 20°, 40°, 60°, 90°

ADJUSTABILITY:

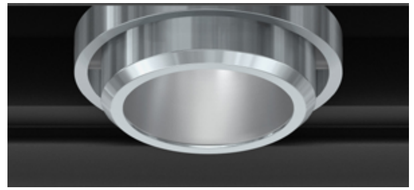
LUMEN OUTPUT	A	B	C
Up to 2000lm	45°	45°	25°
2250lm	45°	45°	20°

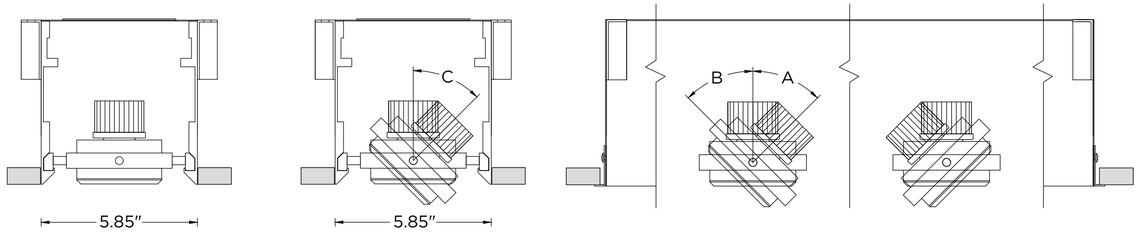
WT - WHITE TRIM FLANGE

XTR - TRIMLESS

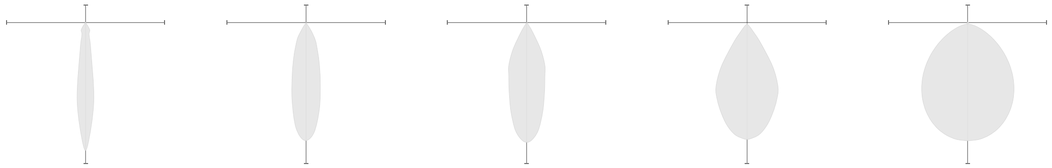
FX - FLANGELESS

M7 - MADISON DUAL AXIS





WIDTH LENGTH



10° 20° 40° 60° 90°

GIMBAL APERTURE: 2.75"
COLOR TEMP: 27K, 30K, 35K, 40K
CRI: 95+
COLOR CONSISTENCY: <2 SDCM

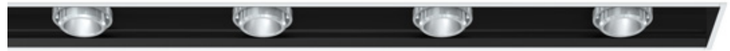
DELIVERED LUMENS: 1000 - 4000 LM
EFFICACY: 116 - 123 LPW *
WATTAGE: 8.1 - 30.1 W *
L90: 50,000 HOURS

OPTICS: 10°, 20°, 40°, 60°, 90°

ADJUSTABILITY:

LUMEN OUTPUT	A	B	C
Up to 3500lm	45°	45°	30°
4000lm	45°	45°	20°

WT - WHITE TRIM FLANGE



XTR - TRIMLESS

FX - FLANGELESS

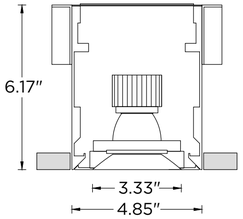
3.3” DOWNLIGHT

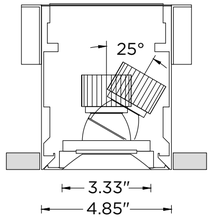
A Familiar Format, Optimized for the Channel.

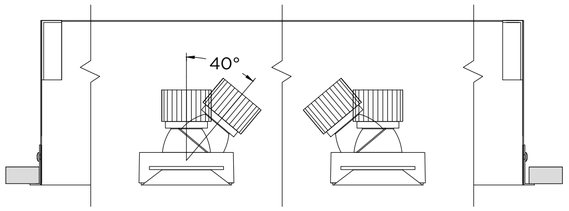
This classic round module integrates cleanly into the G-RO slot, providing a quiet, enclosed appearance with refined beam control and adjustability. It offers designers a familiar lighting language — reengineered for a continuous recessed platform.

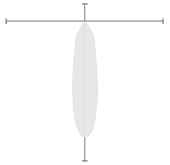
With performance outputs reaching **up to 3000 lumens** and **efficacy over 140 LPW**, it’s a compact workhorse that suits a wide variety of ceiling heights and visual conditions. A regressed optic and optional softening lens offer effective glare control without disrupting the channel geometry.

DL33R - 3.3” ROUND DOWNLIGHT

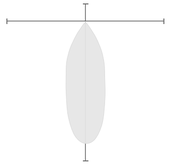




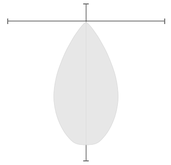




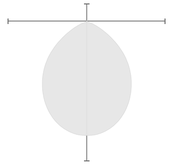
20°



40°



60°



90°

DOWNLIGHT SIZE:	3.33"
COLOR TEMP:	27K, 30K, 35K, 40K
CRI:	95+
COLOR CONSISTENCY:	<2 SDCM
DELIVERED LUMENS:	1000 - 3000 LM
EFFICACY:	96 - 116 LPW *
WATTAGE:	8.6 - 31.2 W *
L90:	50,000 HOURS
OPTICS:	20°, 40°, 60°, 90°
ADJUSTABILITY:	0° - 25° tilt across width 0° - 40° across length 360° lockable rotation

WT - WHITE TRIM FLANGE

XTR - TRIMLESS

FX - FLANGELESS

CRI – COLOR RENDERING INDEX

The Standard for Overall Accuracy

CRI (Color Rendering Index) is a measure of how accurately a light source renders a standardized set of eight pastel colors compared to a natural reference — like daylight or incandescent light. The scale runs from 0 to 100, with values above 90 considered high-fidelity.

In the G-RO system, 95+ CRI is applied as a standard across all modules — Madison, Mini Madison, and the 3.3” downlight — not as an upgrade or special option. This ensures that every module delivers consistent, accurate color rendering, regardless of beam angle, intensity, or application.

This level of color quality is especially critical in architectural settings where material selection, finish tones, and skin appearance all contribute to the overall visual experience.

CRI gives designers confidence that what’s seen under artificial light aligns with what was intended during design.

R9 – THE SATURATED RED INDEX

What CRI Doesn’t Tell You

While CRI captures general performance across pastel tones, it omits saturated red — one of the most important components in how we perceive warmth, texture, and realism.

That’s where R9 comes in.

R9 measures how well a light source renders deep, saturated red — a color critical to natural skin tones, wood, leather, textiles, and many warm finishes used in interior architecture. Poor R9 performance can cause spaces to feel flat or cool, even under high-CRI lighting.

The LED platforms used in G-RO’s modules were selected not just for 95+ CRI, but also for strong R9 values. This results in richer, more natural color rendering, particularly in settings where tone and materiality matter — from hospitality and retail to residential and workplace interiors.

R9 doesn’t replace CRI — it completes the picture.

DIM-TO-WARM

Incandescent Behavior, Architectural Precision

Dim-to-Warm mimics the warm glow of incandescent light sources, shifting from a bright 3000K down to a candle-like 1800K as it dims. The result is a natural visual cue that supports rest, intimacy, and warmth.
This transition isn't just about ambiance — it reflects how people intuitively respond to light that softens as activity winds down. It's ideal for residential settings, restaurants, hospitality lounges, or anywhere mood and atmosphere are central to the experience.
Dim-to-Warm is available in Madison, Mini Madison, and the 3.3" downlight, offering smooth color transitions without compromising beam control or architectural detail.

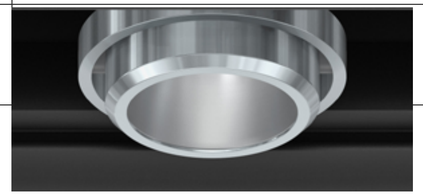
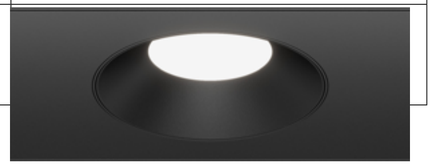
TUNABLE WHITE

Lighting That Responds to People and Time

Tunable White provides full-spectrum control over color temperature — from 2700K to 6500K — independent of intensity. This makes it ideal for spaces where lighting must adapt to changing tasks, times of day, or user preferences.
It supports circadian lighting strategies in workplaces, helps classrooms match activity to time of day, and gives retail or gallery settings the flexibility to tune light to materials, displays, or even natural daylight.
Tunable White is available in Madison and the 3.3" downlight modules, enabling dynamic light environments that shift not just in brightness, but in feel.

Choosing the Right Approach

Use Dim-to-Warm where the goal is warmth and wind-down. Use Tunable White where the goal is adaptability and alignment with time and task. Both options bring color temperature control into the architectural plane — quietly, cleanly, and without compromise.

FEATURE	MINI MADISON	MADISON	DOWNLIGHT SLOT (ROUND)
APERTURE	4.8”	5.8”	4.8” or 5.8”
OPTIC TYPE	50mm Gimbal	70mm Gimbal	3.3” Round Downlight
OUTPUT RANGE	800 - 2250lm	800 - 4000lm	1000 - 3000lm
ADJUSTABILITY	45° x 35° Tilt	45° x 45° Tilt	Fixed or Adjustable (40° Tilt + 360° Rotation)
BEAM ANGLES	10°, 20°, 40°, 60°, 90°	10°, 20°, 40°, 60°, 90°	20°, 40°, 60°, 90°
CCT RANGE	2700K - 4000K	2700K - 4000K	2700K - 4000K
COLOR TUNING	Tunable White, Dim-to-Warm	Tunable White, Dim-to-Warm	Tunable White, Dim-to-Warm
CRI	95+	95+	95+
GLARE CONTROL	Hexcell Louver Available	Snoots and Louvers Available	Regressed Optic with Softening Lens
VISUAL			

Precision light alignment meets architectural rhythm. G-RO follows the curvature of the ceiling, delivering controlled illumination to every seat with Madison modules in a clean, coordinated slot.

Soft transitions, bold intent. G-RO defines space without disrupting it—supporting task lighting and mood within a single continuous channel.


Confidence in every detail. G-RO frames
the space with purpose-built arcs and
delivers focus where it matters most.

Performance meets polish. Fixed downlights and open Madison modules work in harmony to highlight finishes, define zones, and maintain visual flow.

3G LIGHTING

PRODUCTS | GALLERY | COMPANY | RESOURCES | QUICKSHIP

LOCATE AN AGENT | SPECIFIER LOGIN | AGENT LOGIN | 0

FILTER BY PRODUCT OPTION:

STANDARD PRODUCT

Dim to Warm 3GD

Tunable White 3GT

CAT. NO	LUMEN OUTPUT	CRI	COLOR TEMP	BEAM ANGLE	VOLTAGE
3G-48RMSL	10 - 1000 LUMENS	H95 - 95+ CRI ×	27K - 2700K	10D - 10°	UNV - 120/277V
	15 - 1500 LUMENS ×		30K - 3000K ×	20D - 20° ×	120 - 120V ×
	20 - 2000 LUMENS		35K - 3500K	40D - 40°	347 - 347V
	22 - 2250 LUMENS		40K - 4000K	60D - 60°	
				90D - 90°	

DRIVER	FLANGE TYPE	GIMBAL FINISH	HOUSING INTERIOR	OPTIONS	RUN TYPE
DIM - 0-10V (100-1%) ×	WT - WHITE TRIM (STANDARD)	NG - NATURAL ALUMINUM ×	BK - BLACK (STANDARD) ×	NONE	S - STRAIGHT ×
LE - PHASE DIM (TRIAC/ELV, 100-1%)	BT - BLACK TRIM	BG - BLACK GIMBAL	WH - WHITE	CP - CHICAGO PLENUM	14' (14' LONG) ⌄ 4" ⌄
D01 - 0-10V (100-0.1%)	XTR - TRIMLESS (MUD-IN DRYWALL) ×	WG - WHITE GIMBAL		EMR - EMERGENCY BATTERY (REMOTE)	L - L-SHAPE
DALI - DALI (100-1%)	FX - FLANGELESS			2C - 2 CIRCUIT OPERATION	U - U-SHAPE
DHL2 - LUTRON HI LUME LDE (100-1%)	GCX - GRID CEILING (UNIVERSAL MOUNT)			3C - 3 CIRCUIT OPERATION	R - (RECTANGLE/SQUARE)
DMX - DMX (100-0%)				SF - SOFTENING LENS ×	
				SB - SANDBLASTED LENS	
				LS - LINEAR SPREAD LENS	
				HXB - BLACK HEXCELL LOUVER	

3G LIGHTING is a family owned and operated architectural lighting manufacturer based in toronto, canada.

We proudly design and manufacture all of our products in-house while delivering industry leading turnaround times.

3G delivers innovative and award winning lighting fixtures to all business verticals including hospitality, retail, commercial, corporate, and residential projects.

We continue to build on years of industry insight and experience, successfully meeting client demands with our broad range of products.

A tradition of exceptional craftsmanship has positioned 3G LIGHTING as one of the world's leading lighting manufacturers.