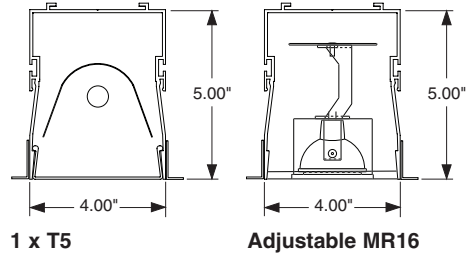
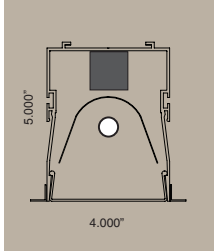


# GB44RC2 G-Beam Series

## Recessed Mount Direct Illumination



**GB44RC2**  
4" wide recessed luminaire



### Construction

**Housing:** Extruded aluminum body 4.00" wide x 5.00" high, 6063T5, 0.070" minimum thickness. Available in one piece, unbroken lengths 4' or 8'.

**Joiner System:** Automatic alignment, no loose parts, one tool to tighten two factory installed bolts for a hairline seam. No light leaks.

**Ballast:** Osram - Sylvania or equal electronic RS ballast with less than 10% THD is standard: **ERS**.

**Lamps:** Shall be (1) 21W T5 & (2) adjustable MR16 for 4' length fixture or (2) 21W T5 & (4) adjustable MR16 for 8' length fixture.

**Mounting and Feed:** Shall be recessed into a ceiling system (specify **REC**).

### Electrical

UL listed wiring and components throughout. Housing is completely wired with quick-connect plugs at all mating joints and individually tested. All fixtures bear UL & CUL Dry Location labels. Damp Location labels are available. Specify **DL** in the Options field.

### Optical Performance

**Reflectors:** Shall be formed diffuse aluminum.

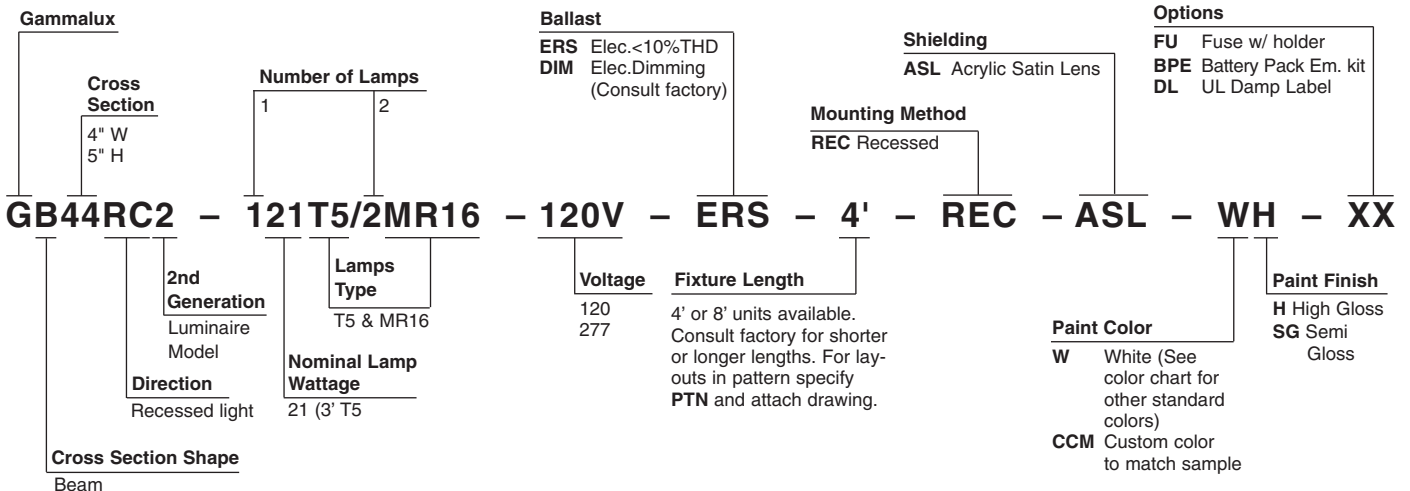
**Acrylic satin Lens:** Shall be frosted acrylic diffuser. (Specify **ASL**).

**Performance:** Independent photometric laboratory testing - ITL or equal - is required. Luminaire is 75% efficient.

### Finish

Housing assembly is electrostatically sprayed with high solids aliphatic two component polyurethane to an average thickness of 2 mils. over acid etching primer. High gloss or semi gloss are standard. Consult with factory for other finishes. Specify **H** for high gloss in Paint Finish field. Specify **SG** for semi gloss.

### Standard Features

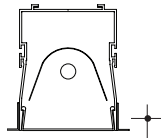


**Photometric Report**

**GB44RC2-128T5/2MR16-120VERS-4'-REC-ASL-WH**

Test: ITL #60185 04/16/08  
IES Datafile: ITL60185.IES  
Lamp: 1-FP28T5 (2900 lumens)

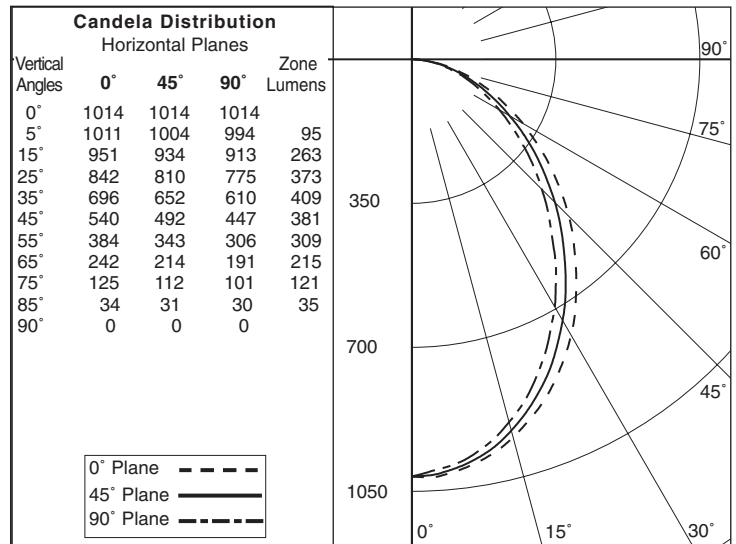
**75.9% Efficiency**



100%

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	6534.	5953.	5409.
55	5728.	5117.	4565.
65	4899.	4333.	3867.
75	4132.	3703.	3339.
85	3338.	3043.	2945.



**Coefficients of Utilization – Zonal Cavity Method**

Effective Floor Cavity Reflectance (rfc) = 0.20

RCC	80%				70%				50%				30%			
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	70%	50%	30%	10%	
<b>RCR</b>																
0	.90	.90	.90	.90	.88	.88	.88	.88	.84	.84	.84	.81	.81	.81	.81	
1	.83	.80	.77	.74	.81	.78	.75	.73	.75	.73	.70	.72	.70	.68	.68	
2	.76	.70	.65	.61	.74	.69	.64	.61	.66	.62	.59	.64	.61	.58	.58	
3	.70	.62	.57	.52	.68	.61	.56	.51	.59	.54	.51	.57	.53	.50	.50	
4	.64	.56	.49	.45	.63	.55	.49	.44	.53	.48	.44	.51	.47	.43	.43	
5	.59	.50	.44	.39	.58	.49	.43	.39	.48	.42	.38	.46	.42	.38	.38	
6	.55	.46	.39	.34	.50	.41	.35	.31	.43	.38	.34	.42	.37	.34	.34	
7	.51	.42	.35	.31	.47	.38	.32	.28	.40	.34	.30	.39	.34	.30	.30	
8	.48	.38	.32	.28	.44	.35	.29	.25	.37	.31	.27	.36	.31	.27	.27	
9	.45	.35	.29	.25	.41	.32	.27	.23	.34	.29	.25	.33	.28	.25	.25	
10	.42	.33	.27	.23	.39	.30	.24	.21	.31	.26	.23	.31	.26	.23	.23	

**Mtg. Dimensions**

For luminaires recessed into gyp type ceiling with cover flange

