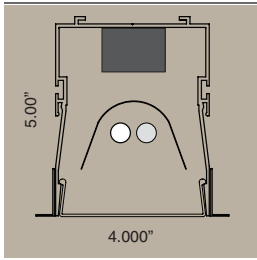
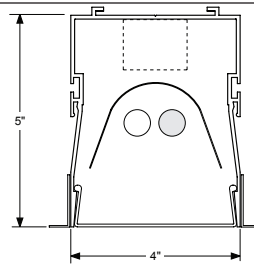


GB44RC2 G-Beam Recessed Series

Recessed
Direct Illumination



GB44RC2
4.00" x 5.00" recessed 2nd generation luminaire



2 x T5 ST or 2 x T5HO ST



Construction

Housing: Extruded aluminum body 4.00" wide x 5.00" high, 6063T5, 0.070" minimum thickness. Available in one piece, unbroken lengths up to 12'.

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**.

Mounting: 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 semi specular aluminum formed.

Acrylic Satin Lens: Shall be 15% DR acrylic. Specify **ASL**

Staggering Lamps: For overlapped lamp configuration consult factory. Specify **ST**

Performance: Independent photometric laboratory testing - ITL or equal - is required. Luminaire is 57% 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. Specify **H** for high gloss in Paint Finish field. Specify **SG** for semi gloss.

Standard Features

<p>Manufacturer Gammalux</p> <p>Cross Section 4.00" x 5.00"</p> <p>Cross Section Shape Beam</p>	<p>No. of Lamps 2</p> <p>Lamp Type T5</p> <p>Nominal Lamp Watts 28 (4' - T5)</p>	<p>Ballast ERS Elec. <10% THD DIM Elec. Dimming (Consult factory)</p> <p>Voltage 120, 277</p>	<p>Ceiling System Designation T9W 9/16" Flat T Bar T1W 15/16" Flat T Bar TSW 9/16" Slot Grid GFR Gyp type Ceiling with Cover Flange GMR Gyp type ceiling Flangeless</p>	<p>Paint Color W White (Consult color chart for other standard colors) CCM Custom Color Match (From submitted sample)</p>	<p>Paint Finish H High Gloss SG Semi Gloss</p>
GB44RC2 - 228T5ST - 120V - ERS - 12' - REC/XXX - ASL - WH - XX					
<p>2nd Generation Luminaire Model</p> <p>Direction Recessed light</p>	<p>Lamp Configuration Add for overlapping lamps</p>	<p>Fixture Length 4' to 12' units available. For multiple units coupled end to end specify total length followed by ROW. For layouts in pattern specify PTN and attach drawing.</p>	<p>Mounting Method REC Recessed mtd.</p> <p>Shielding ASL Acrylic Satin Lens</p>	<p>Options GLR - Fuse w/ holder BPE - Battery Pack Em. kit DL - UL Damp Label 2CKT - Dual circuiting EMERG - Emergency Ckt.</p>	

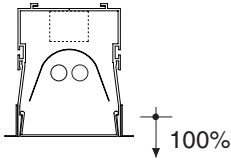


Photometric Report

GB44RC2-228T5ST-120VERS-4'-REC-ASL-PT

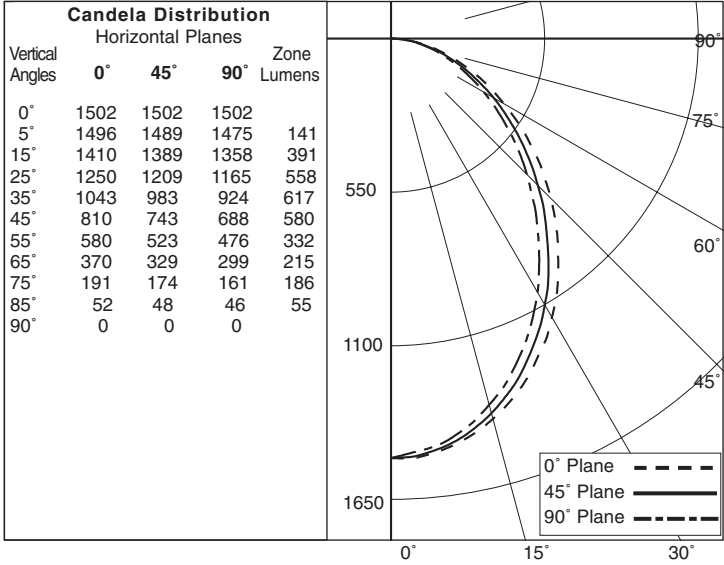
Test: ITL #60187 04/17/08
 IES Datafile: ITL60187.IES
 Lamps: 2-FP28T5 (2900 lumens)

57.5% Efficiency



LUMINANCE DATA IN CANDELA/SQ M
 ANGLE AVERAGE AVERAGE AVERAGE
 IN DEG 0-DEG 45-DEG 90-DEG

45	9801.	8991.	8325.
55	8652.	7802.	7101.
65	7491.	6661.	6053.
75	6314.	5752.	5322.
85	5105.	4712.	4516.



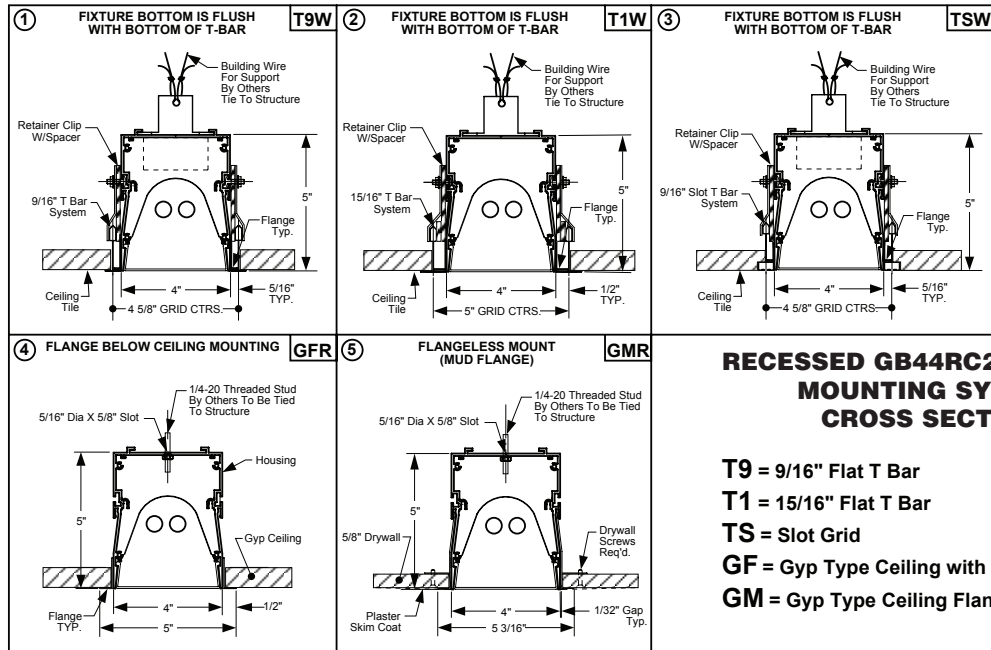
Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance (rfc) = 0.20

RCC	80%				70%				50%				30%			
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%		
RCR																
0	.68	.68	.68	.68	.67	.67	.67	.67	.64	.64	.64	.61	.61	.61		
1	.63	.60	.58	.56	.61	.59	.57	.55	.57	.55	.53	.54	.53	.52		
2	.58	.53	.49	.46	.56	.52	.49	.46	.50	.47	.45	.48	.46	.44		
3	.53	.47	.43	.39	.51	.46	.42	.39	.44	.41	.38	.43	.40	.37		
4	.49	.42	.37	.34	.47	.41	.37	.33	.40	.36	.33	.39	.35	.32		
5	.45	.38	.33	.29	.44	.37	.33	.29	.36	.32	.29	.35	.31	.28		
6	.42	.34	.29	.26	.41	.34	.29	.26	.33	.29	.26	.32	.28	.25		
7	.39	.31	.26	.23	.38	.31	.26	.23	.30	.26	.23	.29	.25	.22		
8	.36	.29	.24	.21	.35	.28	.24	.21	.28	.23	.21	.27	.23	.20		
9	.34	.26	.22	.19	.33	.26	.22	.19	.25	.21	.19	.25	.21	.18		
10	.32	.24	.20	.17	.31	.24	.20	.17	.24	.20	.17	.23	.20	.17		

Mtg. Dimensions

Recessed luminaire mounting dimensions and overall luminaire dimensions are determined in part, by the ceiling system in which they are installed. Therefore we can not provide mounting dimensions in this document.



RECESSED GB44RC2 LUMINAIRE MOUNTING SYSTEMS CROSS SECTIONS

- T9** = 9/16" Flat T Bar
- T1** = 15/16" Flat T Bar
- TS** = Slot Grid
- GF** = Gyp Type Ceiling with Cover Flange
- GM** = Gyp Type Ceiling Flangeless (Mud Flange)