

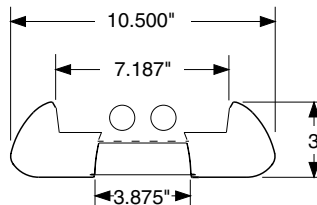
GQ13BW Classroom Series

Suspended

Direct/Indirect Illumination



GQ13BW
10.50" wide bi-directional luminaire with semi specular parabolic blade baffle



2 x T8



Construction

Housing: Extruded aluminum body 10.50" wide x 3.00" high, 6063T5, 0.093" minimum thickness. Available in one piece, unbroken lengths up to 24' with just two points of suspension.

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 rapid start electronic ballast with less than 10% THD is standard: **ERS**.

Mounting and Feed: Aircraft cable is 7x7 stranded stainless steel with machined stainless steel stopper fitting at the top end. Lower end strands are welded and ground for easy insertion into continuously adjustable cable gripper. Feed cord is straight, white 3/C SVT or SJT #18 AWG. Coiled cord is available (specify **CC**).

Stems are 3/8" schedule 40 pipe with top swivels. California UBC compliant stems with internal safety cables available (specify **SEQ**).

Electrical

UL listed wiring and components throughout. Housing is completely wired with quick-connect plugs at all mating joints and individually tested. No fixture disassembly and no field wiring is required to install rows.

All fixtures bear UL & CUL Dry Location labels. Damp Location labels are available. Specify **DL** in the Options field.

Optical Performance

Reflectors: White painted metal formed.

Parabolic Blade Baffle: .125" high with semi specular low brightness finish.

Performance: Independent photometric laboratory testing - ITL or equal - is required. Luminaire is 85% efficient. Not more than 30% of luminaire lumens shall be below 90°

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

Manufacturer Gammalux	Nominal X-Section 10.50" W 3.00" H	No. of Lamps 2	Voltage 120, 277	Ballast ERS Elec. <10% THD DIM Elec. Dimming (Consult factory)	Suspension type C Cable (Std.) S Swivel stem SEQ CA Earthquake Stems/fitings SCA Stem w/Clevis	Paint Color W- White (Consult color chart for other standard colors) CCM- Custom Color Match (From submitted sample)	Paint Finish H - High gloss SG - Semi gloss
GQ13BW – 232T8 – 120V – ERS – 24' – C24" – OP/PBB – WH – XX							
Cross Section Shape Quadrilateral	Direction Bi-directional	Widespread Indirect Component	Lamp Type T8	Nominal Lamp Watts 32 (4' - T8)	Fixture Length 4' to 24' units available. See Chart. For multiple units coupled end to end specify total length followed by ROW .	Suspension Length 24" (Ceiling to top of fixture) or cut to order	Options GLR - Fuse w/ holder BPE - Battery Pack Em. kit DL - UL Damp Label CC - Coiled Cord
					Top Shielding OP - Open (Std.) DC - Dust cover (available)	Bottom Shielding PBB - Parabolic blade baffle	



Photometric Report

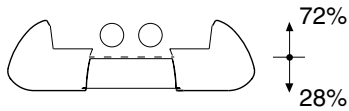
GQ13BW-232T8-120VERS-4'-C24"-OP/PBB-PT

Test: ITL #52954 09/16/02

IES Datafile: ITL52954.IES

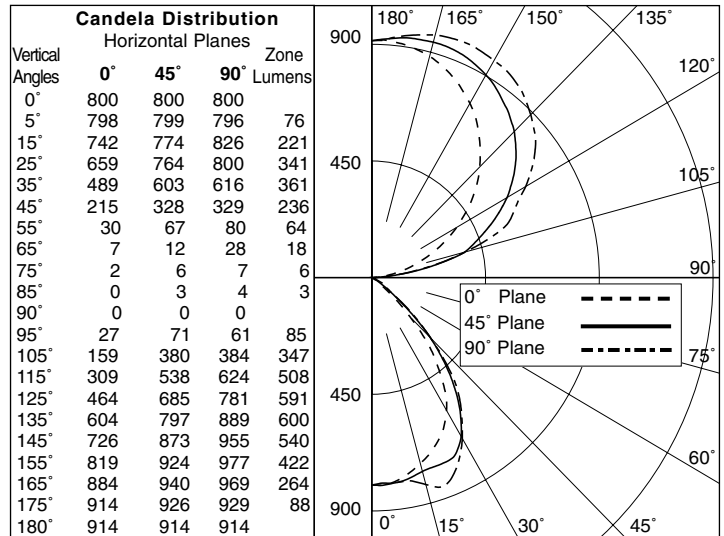
Lamps: 2-F32T8 (2800 lumens)

85.2% Efficiency



LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	2618.	3994.	4006.
55	450.	1006.	1201.
65	143.	244.	570.
75	67.	200.	233.
85	0.	296.	395.



Coefficients of Utilization – Zonal Cavity Method

Effective Floor Cavity Reflectance (rfc) = 0.20

RCC	80%				70%				50%			30%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%
RW														
RCR														
0	.87	.87	.87	.87	.78	.78	.78	.78	.60	.60	.60	.45	.45	.45
1	.80	.77	.74	.71	.71	.69	.66	.64	.54	.53	.51	.41	.40	.39
2	.73	.68	.63	.59	.66	.61	.57	.54	.48	.46	.44	.37	.35	.34
3	.67	.60	.55	.51	.60	.55	.50	.46	.43	.40	.38	.33	.31	.30
4	.62	.54	.48	.43	.56	.49	.44	.40	.39	.36	.33	.30	.28	.26
5	.57	.48	.42	.38	.51	.44	.39	.35	.35	.32	.29	.27	.25	.23
6	.53	.44	.37	.33	.47	.40	.34	.30	.32	.28	.25	.25	.22	.21
7	.49	.39	.33	.29	.44	.36	.31	.27	.29	.25	.23	.23	.20	.18
8	.46	.36	.30	.26	.41	.33	.28	.24	.27	.23	.20	.21	.18	.17
9	.42	.33	.27	.23	.38	.30	.25	.21	.25	.21	.18	.19	.17	.15
10	.40	.30	.24	.21	.36	.28	.23	.19	.23	.19	.16	.18	.15	.14

Mtg. Dimensions

For individual rows of luminaires with cable or stem suspended mtg.

