

**TYPE** \_\_\_\_\_

**FEATURES**

The G4-DI-2 presents a unique shallow winged profile and is one variation of a complete family of suspended linear fluorescent luminaires. The G4-DI-2 is a direct/indirect version of the family of luminaires and provides exceptional performance. Constructed of perforated steel and aluminum extrusions, it features a "reveal" between modules in continuous rows. The computer designed optical system creates a widespread indirect distribution while offering a wide variety of direct perforated accent patterns along its wings creating its own unique styling contrast.

**SPECIFICATIONS**

**Housing:** One piece die formed 20 gauge cold rolled steel welded construction forming a 2 5/8" x 11" wave profile. Perforated cluster sections are 1/16" diameter x 3/32" straight centers with white .020 translucent overlay. The housing ends are die formed extruded aluminum. The decorative intermediate end caps are provided for mounting and joining individual fixtures in rows. Finished ends are laser cut aluminum, with no exposed hardware or knockouts.

**Reflector:** Die formed 20-gauge cold rolled steel minimum 90% reflectivity in high gloss white enamel with die formed .025 specular anodized aluminum center reflector.

**Electrical:** Ballast is electronic, high power factor, thermally protected class P, sound rated A, with less than 20% total harmonic distortion. The minimum number of ballasts will be used unless otherwise specified.

**Mounting:** Standard Installation is an adjustable self-locking aircraft cable assembly 48" x 3/32" in diameter with 5" canopy. One 16/4 SJT straight 54" cord is supplied with each power feed. Standard pendants are available in 24" lengths. See Accessories for additional mounting.

**Finish:** Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process.

**Lamps:** Fixtures are provided for use with two 32 watt T8 lamps. (Supplied by Others)

**Certification:** Luminaires are U. L. Listed, C. S. A. certified and are Union Made in the United States of America I.B.E.W.

**ORDERING GUIDE**

MODEL NO.	DIRECTION	SHIELDING	LAMPS	MOUNTING	LENGTH	FINISH	VOLTAGE	OPTIONS
<b>G4</b>	- <b>DI</b>	- <b>2</b>	- <b>232T8</b>	- <b>AC</b>	- <b>4</b>	- <b>W</b>	- <b>120v</b>	- <b>See Options Below</b>
<b>G4</b>	<b>DI</b> = Direct/Indirect	<b>2</b> =Perforated Cluster	<b>232T8</b>	<b>AC</b> = Cable <b>PD</b> = Pendant	<b>4</b> = 4 ft <b>8</b> = 8 ft	<b>W</b> = White <b>CC</b> = Custom Color	<b>120v</b> <b>277v</b>	

**O**=Other Specify      See Accessories for other, please enter row length (eg. 48=48ft)

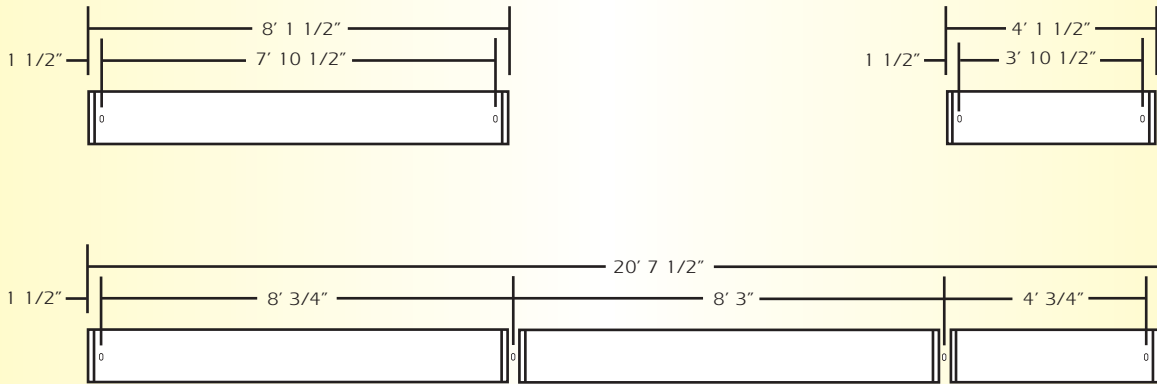
Example: **G4-DI-2-232T8-AC-4-W-277V**

Generation Four with perforated cluster sections with opal overlay for two 32 watt T8 lamps with two 48 inch aircraft cables and power feed four foot fixture finished in baked white enamel with 277v electronic ballast less than 20% total harmonic distortion.

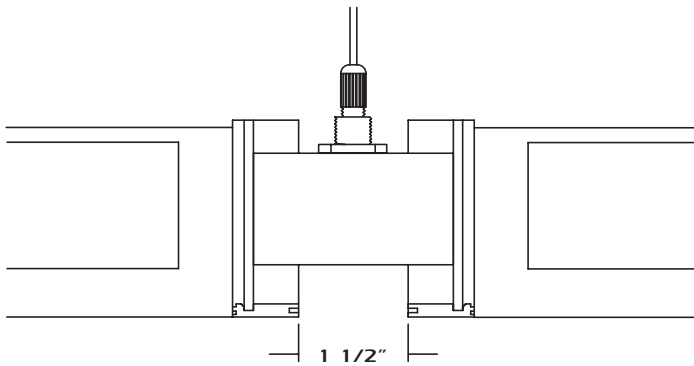
**OPTIONS**

- E10=** Electronic ballast, high power factor, thermally protected class P, sound rated A, < 10% total harmonic distortion
- DIM=** Dimming Ballast
- EPC=** Emergency Battery Pack
- EMC=** Emergency Circuit
- TCW=** Two Circuit Wiring
- TDW=** Tandem Wiring
- QCW=** Quick Connect Wiring
- OTH=** See Accessories for other options available

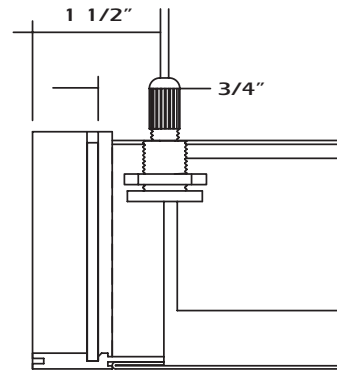
LINEAR SECTIONS AND SUSPENSION LOCATION



INSTALLATION PREPARATION

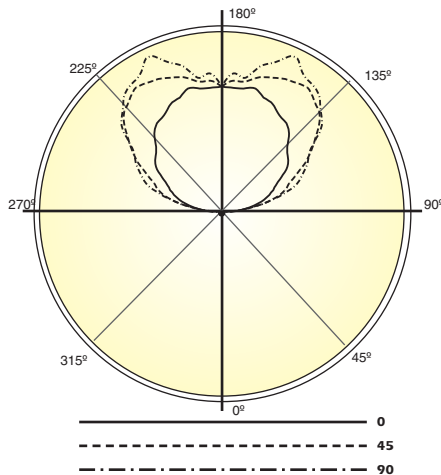


TYPICAL JOINT DETAIL



TYPICAL END DETAIL

PHOTOMETRY



LAMP (2) 32W T8  
LUMENS: 2900 PER LAMP

Candela Distribution:

Vert. Angle	0	22.5	45	67.5	90
0	5	5	5	5	5
5	14	11	11	7	5
15	7	6	10	10	17
25	8	10	17	31	44
35	10	16	40	53	64
45	6	21	54	83	96
55	8	23	67	110	115
65	6	22	76	129	141
75	6	18	78	125	153
85	3	8	62	122	155
95	153	152	147	189	203
105	355	400	464	487	521
115	510	653	655	718	753
125	665	842	910	921	880
135	775	969	1111	1138	1142
145	881	1021	1212	1279	1315
155	943	1037	1155	1274	1281
165	988	1014	1058	1166	1104
175	980	991	1069	1091	955
180	967	967	967	967	967

Optical Distribution:  
93% Indirect: 7% Direct

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

	.8	.7	.5	.3	.1	0												
pcc	.8	.7	.5	.3	.1	0												
pw	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	0							
RCR																		
0	82	82	82	82	71	71	71	71	51	51	51	32	32	32	14	14	14	6
1	74	70	67	64	64	61	58	56	43	41	40	27	26	25	10	10	10	4
2	67	61	56	52	58	53	49	45	37	35	32	23	21	20	8	8	8	3
3	61	53	47	42	52	46	41	37	32	29	27	20	18	17	6	6	6	2
4	55	47	40	35	48	40	35	31	29	25	22	18	15	14	5	5	5	1
5	51	41	35	30	43	36	30	26	25	22	19	15	13	12	4	4	4	1
6	46	37	30	25	40	32	26	22	22	19	16	14	12	10	4	4	4	1
7	43	33	26	22	37	28	23	19	20	16	14	12	10	9	3	3	3	1
8	39	29	23	19	34	26	20	17	18	15	12	11	9	7	3	3	3	1
9	36	27	21	16	31	23	18	14	16	13	10	10	8	6	2	2	2	0
10	34	24	18	14	29	21	16	13	15	12	9	9	7	6	2	2	2	0



Total Luminaire Optical Efficiency = 84.4%