

# Generation Series 2

G2-DI-4



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

**FEATURES**

The G2-DI-4 is one variation of a complete family of suspended linear fluorescent luminaires. The G2-DI-4 is a direct/indirect version of the family of luminaires. The computer designed optical system creates a widespread indirect distribution while the variety of direct components provides contrast. The low profile and modern design provide excellent efficiency and styling where high performance and uniform lighting are required.

**SPECIFICATIONS**

**Housing:** One piece die formed 20-gauge cold rolled steel welded construction forming a 6" x 2" rounded profile. Continuous obround pattern is 3/16" x 1/2" straight with white .020 translucent overlay. Finished end caps are laser cut 16-gauge cold rolled steel, with no exposed hardware or knockouts. Aligner brackets are provided to eliminate light leaks and for precision alignment of continuous rows.

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

**Electrical:** Ballast is electronic, high power factor, thermally protected class P, sound rated A, with less than 10% 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 or three 28 watt T5 lamps or 54 watt T5 HO 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>G2</b>	- <b>DI</b>	- <b>4</b>	- <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>
<b>G2</b>	<b>DI=</b> Direct/Indirect	<b>4=</b> Obround Continuous	<b>228T5</b> <b>328T5</b> <b>254T5 HO</b> <b>354T5 HO</b>	<b>AC=</b> Cable <b>PD=</b> Pendant	<b>4=</b> 4 ft <b>8=</b> 8 ft <b>12=</b> 12 ft	<b>W=</b> White <b>CC=</b> Custom Color	<b>120v</b> <b>277v</b>	<b>See</b> <b>Options</b> <b>Below</b>
			<b>O=</b> Other Specify	See Accessories	for other, please enter row length (eg. 48=48ft)			

Example: **G2-DI-4-254T5HO-AC-4-W-277V**

Example: Generation Two with obround continuous pattern with opal overlay for two 54 watt T5 HO lamps with two 48 inch aircraft cables and power feed four foot fixture finished in baked white enamel with 277v electronic ballast less than 10% total harmonic distortion.

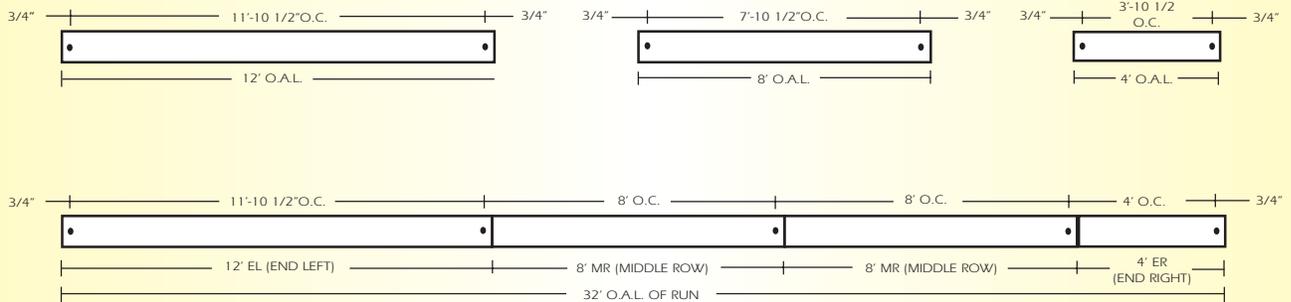
**OPTIONS**

- 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

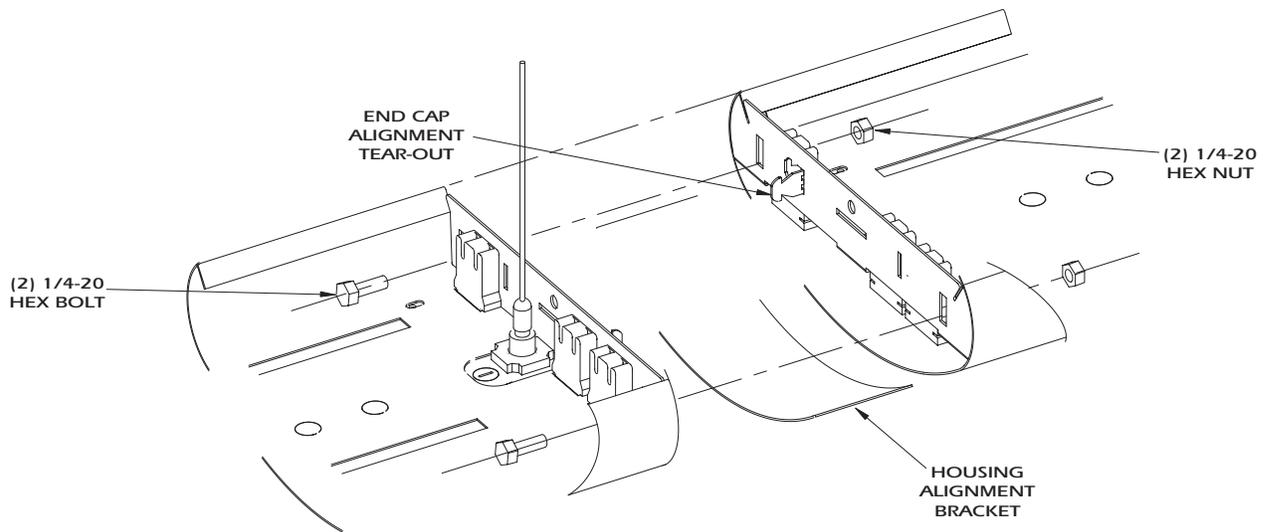
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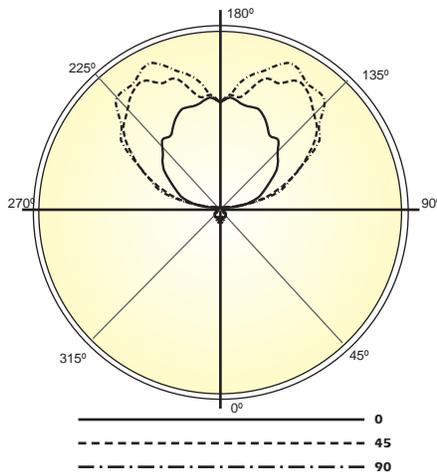
LINEAR SECTIONS AND SUSPENSION LOCATION



INSTALLATION PREPARATION



PHOTOMETRY



LAMP (2) 54W T5 HO  
LUMENS: 5000 PER LAMP

Candela Distribution:

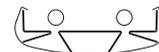
Vert. Angle	0	22.5	45	67.5	90
0	99	99	99	99	99
5	71	61	77	69	66
15	79	68	75	73	78
25	61	66	62	66	74
35	61	60	67	70	75
45	51	53	61	55	49
55	42	44	45	42	43
65	26	38	31	30	28
75	23	20	20	21	20
85	11	8	12	15	17
95	290	283	271	267	250
105	581	801	807	871	923
115	808	1222	1329	1348	1312
125	1060	1550	1752	1801	1809
135	1212	1780	2010	2212	2218
145	1397	1809	2277	2310	2365
155	1502	1771	2135	2377	2473
165	1640	1726	1885	2071	2172
175	1785	1624	1673	1782	1774
180	1671	1671	1671	1671	1671

Optical Distribution:  
97% Indirect: 3% 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	70	70	70	70	49	49	49	29	29	29	11	11	11	2
1	75	71	68	65	64	61	59	56	42	41	40	25	25	24	9	9	9	2
2	68	62	57	53	58	53	49	46	37	35	33	22	21	20	7	7	7	2
3	62	54	49	44	53	47	42	38	33	30	27	20	18	17	6	6	6	1
4	56	48	42	37	48	41	36	32	29	26	23	17	16	14	5	5	5	1
5	51	42	36	31	44	37	31	27	26	22	20	15	13	12	4	4	4	1
6	47	38	31	27	40	33	27	23	23	19	17	14	12	10	4	4	4	1
7	43	34	27	23	37	29	24	20	20	17	15	12	10	9	3	3	3	1
8	40	30	24	20	34	26	21	18	18	15	13	11	9	8	3	3	3	1
9	37	27	21	17	32	24	19	15	17	13	11	10	8	7	2	2	2	1
10	34	25	19	15	29	22	17	13	15	12	10	9	7	6	2	2	2	1



Total Luminaire Optical Efficiency = 85.4%