

TYPE

FEATURES

The G1-DI-4 is one variation of a complete family of suspended linear fluorescent luminaires. The G1-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 9.50" x 3.25" rounded profile. Continuous obround pattern is 3/16" x 17/2" 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 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 one, two or three 32 watt T8 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
G1	DI	4						
G1	DI= Direct/Indirect	4=Obround Continuous	132T8 232T8 332T8 154T5 HO 254T5 HO 354T5 HO O=Other Specify	AC= Cable PD= Pendant See Accessories	4= 4 ft 8= 8 ft 12= 12 ft for other, please enter row length (eg. 48=48ft)	W= White CC= Custom Color	120v 277v	See Options Below

Example: **G1-DI-4-232T8-AC-4-W-277V**

Generation One with obround continuous pattern 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.

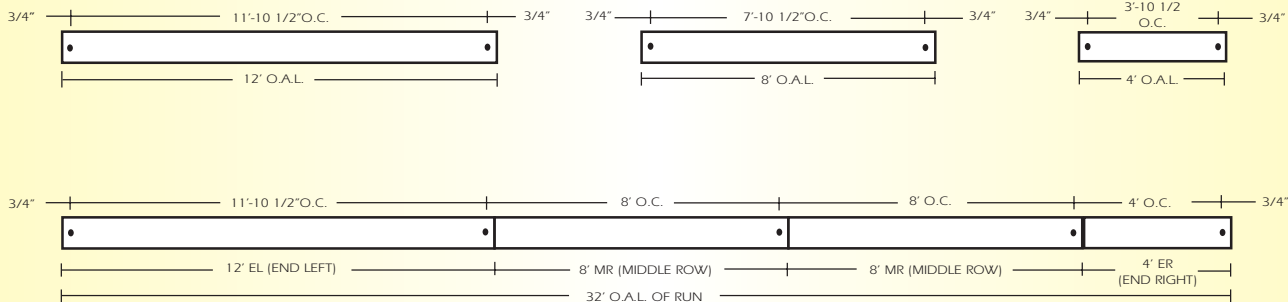
OPTIONS

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

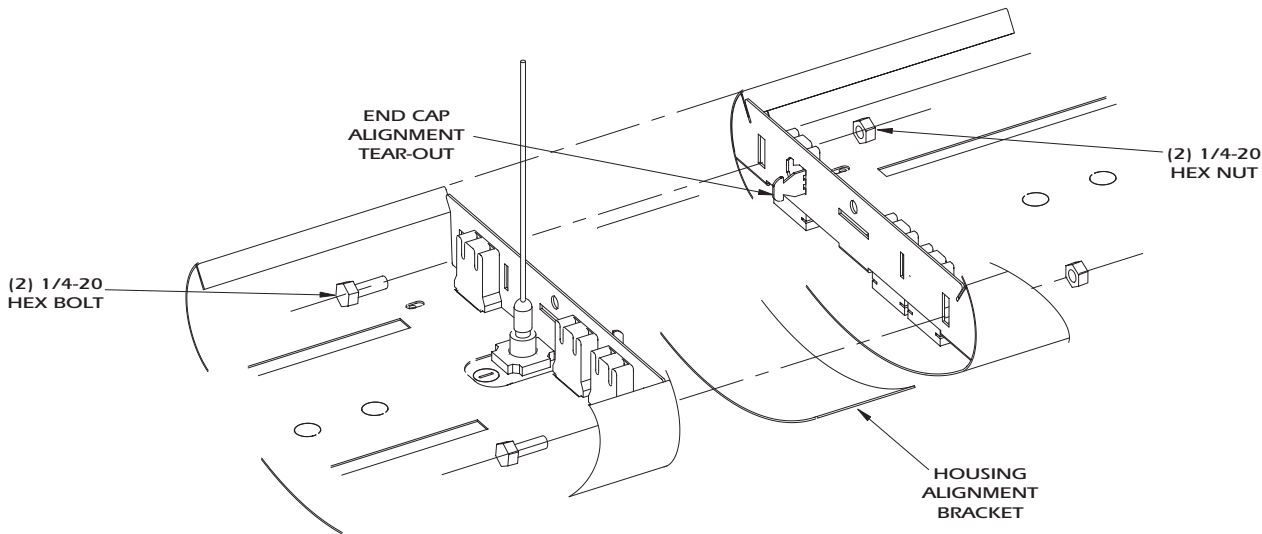
Generation Series 1

G1-DI-4

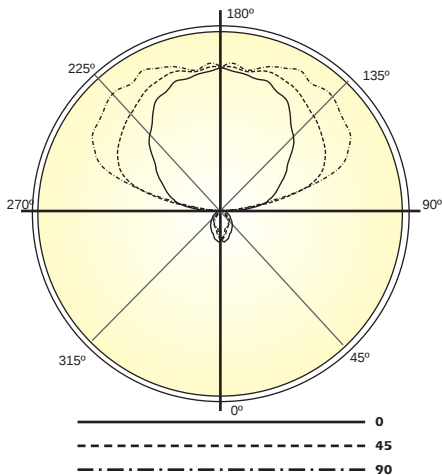
LINEAR SECTIONS AND SUSPENSION LOCATION



INSTALLATION PREPARATION



PHOTOMETRY



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

Candela Distribution:

Vert. Angle	0	22.5	45	67.5	90
0	212	212	212	212	212
5	238	213	191	200	207
15	229	184	151	131	131
25	203	138	132	119	130
35	171	110	109	92	80
45	134	98	76	50	41
55	89	72	35	22	22
65	64	38	19	20	21
75	48	18	14	11	8
85	43	31	16	7	5
95	176	226	159	130	110
105	294	509	683	689	660
115	428	612	869	1028	1058
125	569	702	938	1095	1167
135	727	805	994	1168	1210
145	885	926	1043	1142	1191
155	979	1003	1098	1156	1154
165	991	1046	1077	1096	1126
175	1064	1070	1080	1058	1130
180	1072	1072	1072	1072	1072

Optical Distribution:
93% Indirect: 7% Direct

Coefficients of Utilization - Zonal Cavity Method:

pfc = 0.20

pcc RCR	.8			.7			.5			.3			.1			0		
	.7	.5	.3	.7	.5	.3	.7	.5	.3	.7	.5	.3	.7	.5	.3	0		
0	85	85	85	85	73	73	73	73	52	52	52	32	32	32	14	14	14	6
1	77	74	70	67	67	64	61	59	45	44	42	28	27	27	12	12	12	5
2	70	64	59	55	60	56	52	48	40	37	35	25	23	22	11	10	10	4
3	64	56	50	46	55	49	44	40	35	32	29	22	20	19	10	9	8	3
4	58	50	43	38	50	43	38	34	31	27	25	19	17	16	9	8	7	3
5	53	44	37	32	46	38	33	29	27	24	21	17	15	14	8	7	6	3
6	49	39	33	28	42	34	29	25	24	21	18	15	13	12	7	6	5	2
7	45	35	29	24	39	31	25	21	22	18	16	14	12	10	6	5	5	2
8	42	32	25	21	36	28	22	19	20	16	14	13	10	9	6	5	4	2
9	39	29	22	18	33	25	20	16	18	14	12	11	9	8	5	4	4	2
10	36	26	20	16	31	23	18	14	16	13	11	10	8	7	5	4	3	1



Total Luminaire Optical
Efficiency = 88.2%