جي جي سي

GGC

شركة الخليج لفتحات التكييف المركزي

GULF GRILLES CO.



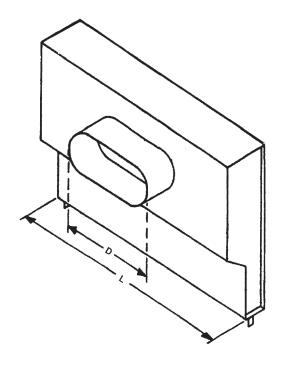
LIGHT TROFFERS



LIGHT TROFFERS TROFFER CEILING DIFFUSER SINGLE UNIT - SIDE ENTRY

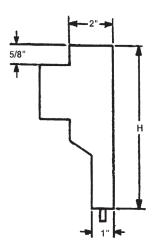


Our single unit diffusers are designed to fit standard 2, 3, or 4 foot light troffers respectively. Due to varying types of lighting fixtures available in the market, sizes or dimensions shown can be replaced to suit client's specifications. When ordering, try to make it sure that complete sizes and informations be supplied to us.



OTHER FEATURES

- Hold down tabs at diffuser ends are provided to align and lock diffuser to luminaire air slot.
- Standard 4", 5" or 6" oval inlet collors fit for ovalised flexible tubing connection.
- Choice of uninsulated, internally insulated, or externally insulated construction.
- Material: Galvanized steel gauge 22.
- Finish : All exposed surfaces of plenum are painted black. Painted under electrostatic polyester powder coated system.

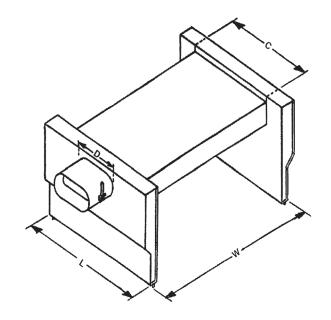




LIGHT TROFFERS TROFFER CEILING DIFFUSER DOUBLE UNIT - SIDE ENTRY



Our double unit diffusers are designed to fit standard 1 x 4, 2 x 2, 2 x 4 or 3 x 3 foot light troffers respectively. Due to varying types of lighting fixtures available in the market, sizes or dimensions shown can be replaced to suit client's specifications. When ordering, try to make it sure that complete sizes and informations be supplied to us.

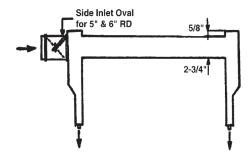


OTHER FEATURES

- Hold down tabs at diffuser ends are provided to align and lock diffuser to luminaire air slot.
- Standard inlets: 4", 5" or 6" oval. Other inlet sizes available on request.
- Choice of uninsulated, internally insulated, or externally insulated construction.
- Can be used for either supply or return.
- Materials: Galvanized steel gauge 18 for main plenum.

Galvanized steel gauge 24 for branches plenum.

• Finish : All exposed surfaces of plenum are painted black. Painted under electrostatic polyester powder coated system.

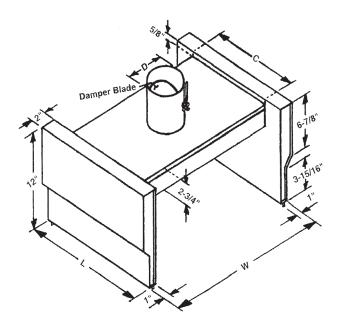




LIGHT TROFFERS TROFFER CEILING DIFFUSER DOUBLE UNIT - TOP ENTRY



Our double unit diffusers are designed to fit standard 1 x 4, 2 x 2, 2 x 4 or 3 x 3 foot light troffers respectively. Due to varying types of lighting fixtures available in the market, sizes or dimensions shown can be replaced to suit client's specifications. When ordering, try to make it sure that complete sizes and informations be supplied to us.

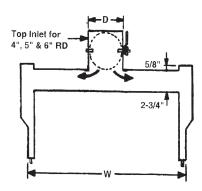


OTHER FEATURES

- Hold down tabs at diffuser ends are provided to align and lock diffuser to luminaire air slot.
- Standard inlets: 4", 5" or 6" round. Other inlet sizes available on request.
- Choice of uninsulated, internally insulated, or externally insulated construction.
- Can be used for either supply or return.
- Materials : Galvanized steel gauge 18 for main plenum.

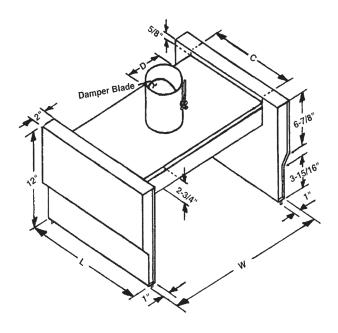
Galvanized steel gauge 24 for branches plenum.

• Finish : All exposed surfaces of plenum are painted black. Painted under electrostatic polyester powder coated system.



LIGHT TROFFERS DIMENSIONS OF AIR DIFFUSERS





Madal	Diffuser	Fixture	Fixture		DIMENS	SIONS (incl	nes)
Model	Type	Size Length		W	L	С	D
	Single Unit						
LT45-S	10	4'	48"	-	41	-	4, 5 & 6
21400	20	2'	24"	-	17	-	4, 5 & 6
	30	3'	36"	-	29	-	4, 5 & 6
	Double Unit						
	12	1' x 2'	24"	12	17	12	4, 5 & 6
	22	2' x 2'	24"	24	17	12	4, 5 & 6
LT45 DO	13	1' x 3'	36"	12	29	18	4, 5 & 6
LT45-DS	23	2' x 3'	36"	24	29	18	4, 5 & 6
& LT45 TO	33	3' x 3'	36"	36	29	18	4, 5 & 6
LT45-TS	14	1' x 4'	48"	12	41	18	4, 5 & 6
	24	2' x 4'	48"	24	41	18	4, 5 & 6
	34	3' x 4'	48"—	36	41	18	4, 5 & 6
	44	4' x 4'	48"	48	41	18	4, 5 & 6
	I		I	ı	I	I	1

Note: 1. When ordering specify diffuser type, fixture type and size.

2. Above dimensions does not include insulation thickness.

LIGHT TROFFERS PERFORMANCE DATA SINGLE SIDE DIFFUSER - SIDE ENTRY



2' LIGHT FIXTURE (MODEL - LT45 - S20)

Capacity, CFM		30	35	40	45	50	55	60	70	80
Throw, Ft.		2-5	3-6	4-7	4-8	5-8	5-9	6-10	7-11	8-12
Total	Inlet 4"	.03	.04	.05	.07	.09	.11	.12	.15	.20
Total Pressure	Inlet 5"	.03	.04	.05	.07	.09	.11	.12	.15	.20
in. w. g.	Inlet 6"	.02	.03	.04	.06	.08	.10	.11	.14	.19
NC	•	20	20	20	20	20	21	22	28	.32

3' LIGHT FIXTURE (MODEL - LT45 - S30)

Capacity, C	Capacity, CFM		45	50	55	60	70	80	90	100
Throw, Ft.		4-6	4-6	4-7	5-7	5-8	6-10	7-12	7-14	9-15
Tetal	Inlet 4"	.04	.05	.06	.08	.10	.12	.16	.19	.23
Total Pressure	Inlet 5"	.04	.05	.06	.08	.10	.12	.16	.19	.23
in. w. g.	Inlet 6"	.03	.04	.05	.07	.09	.11	.15	.18	.22
NC	•	20	20	20	20	20	24	29	33	35

4' LIGHT FIXTURE (MODEL - LT45 - S10)

Capacity, CFM		50	55	60	70	80	90	100	110	120
Throw, Ft.		4-7	4-8	5-8	6-9	7-11	8-12	8-14	9-15	10-16
	Inlet 4"	.05	.05	.05	.10	.12	.15	.20	.26	.28
Total Pressure	Inlet 5"	.05	.05	.05	.10	.12	.15	.20	.26	.28
in. w. g.	Inlet 6"	.04	.04	.04	.09	.11	.14	.19	.25	.22
NC		20	20	20	21	25	29	34	36	40

THROW : Throw data in feet, based upon isothermal air at 100 and 50 fpm terminal

velocity. At 9' - 0" ceiling height.

TOTAL : Total Pressure is given in inches of w. g. PRESSURE

NC : Noise value based on 10 dB room absorption.

LIGHT TROFFERS PERFORMANCE DATA DOUBLE SIDE DIFUSSER



2' LIGHT FIXTURE (MODELS : LT45 - DS12 & 22 / MODELS : LT45 - TS12 & 22)

Capacity, C	FM	50	55	60	70	80	100	120	140	160	180
Throw, Ft.		2-3	2-4	3-4	3-5	4-7	5-8	6-9	6-10	7-11	8-12
Table	Inlet 4"	.04	.06	.07	.10	.11	.15	.23	.29	.31	.32
Total Pressure	Inlet 5"	.04	.06	.07	.10	.11	.15	.23	.29	.31	.32
in. w. g.	Inlet 6"	.03	.05	.06	.09	.10	.14	.22	.28	.30	.31
NC		20	20	22	25	27	33	35	37	42	43

3' LIGHT FIXTURE (MODELS: LT45 - DS13, 23 & 33 / MODELS: LT45 - TS13, 23 & 33)

Capacity, CI	FM	60	70	80	90	100	120	140	160	180	200
Throw, Ft.		2-4	3-5	3-6	4-7	5-7	6-8	6-9	7-10	8-10	9-11
T	Inlet 4"	.07	.08	.09	.10	.11	.15	.23	.25	.28	.30
Total Pressure	Inlet 5"	.07	.08	.09	.10	.11	.15	.23	.25	.28	.30
in w. g.	Inlet 6"	.06	.07	.08	.09	.10	.14	.22	.24	.27	.29
NC	1	20	23	25	26	27	33	35	37	41	43

4' LIGHT FIXTURE (MODELS: - LT45 - DS14, 24, 34 & 44 / MODELS: LT45 - TS14, 24, 34 & 44)

Capacity, Cl	FM	70	80	90	100	120	140	160	180	200	220
Throw, Ft.		3-4	3-5	4-5	4-6	5-7	5-8	6-9	6-11	7-13	8-15
T	Inlet 4"	.06	.07	.08	.09	.10	.13	.17	.23	.27	.35
Total Pressure	Inlet 5"	.06	.07	.08	.09	.10	.13	.17	.23	.27	.35
in w. g.	Inlet 6"	.05	.06	.07	.08	.09	.14	.18	.24	.28	.35
NC	•	20	20	20	21	24	27	29	32	34	37

THROW : Throw data in feet, based upon isothermal air at 100 and 50 fpm terminal

velocity . At 9' - 0" ceiling height.

TOTAL

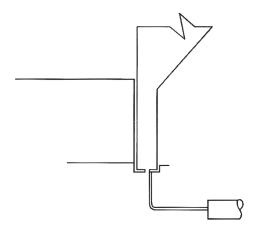
: Total Pressure is given in inches of w. g.

PRESSURE

NC : Noise value based on 10 dB room absorption.







ALNOR 2220 A JET.

- **Step 1.** Place the Anemometer probe on the slot (s) as shown in the above figure, 2 or 4 locations.
- **Step 2.** Record and average the four velocity readings.
- **Step 3.** The Flow Rate in cfm = Area Factor x Average Velocity x Length in feet.

Length	Ak Facto	or (sq.ft.)
(feet)	Single	Double
2	.057	.093
3	.089	.145
4	.120	.197