Catalog Number	Type

Narrow Aperture Troffer

9NAT

9" wide

2', 3' or 4' length
1 or 2 lamps

FEATURES

- Narrow 9" wide housing adds architectural detailing to ceiling plane.
- 9NAT models available as complete units in 2', 3' and 4' lengths. Companion 9CNAT and T9CNAT models feature continuous shielding in rows.
- Wide selection of lay-in, lift-and-shift shielding, including anodized aluminum parabolic louvers in 2" or 1½" depth.
- Flat shielding may be lay-in without door frame or lay-in with aluminum door frame. Regressed or flush appearance available.
- Static, no reveal.
- Compatible with most ceiling types.
- Guaranteed for one year against mechanical defects in manufacture.

SPECIFICATIONS

BALLAST — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified, standard. Energy-saving and electronic ballasts are sound rated A. Standard combinations are CBM approved and conform to UL 935.

WIRING & ELECTRICAL — Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout. Rated for required temperatures.

MATERIALS — Housing formed from cold-rolled steel. Louvers formed from anodized aluminum. No asbestos is used in this product.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican standards (see options).

Specifications subject to change without notice.

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

9NAT/9CNAT 2 40 203LD

Report LTL 5740

S/MH (along) 1.2 (across) 1.5

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	68	66	64	66	64	63	62	60	59
2	63	59	56	62	58	55	56	54	52
3	59	54	50	57	53	49	51	48	45
4	54	48	44	53	47	43	46	42	40
5	50	43	38	49	42	38	41	37	34
10	33	25	20	32	25	20	24	20	17

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1243	19.7	32.4
0-40	2078	33.0	54.2
0-60	3599	57.1	93.9
0-90	3831	60.8	100.0
90-180	0	0.0	0.0
0-180	3831	60.8	100.0

9NAT/9CNAT 2 32 203LD

Report LTL 5738

S/MH (along) 1.2 (across) 1.5

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
1	70	68	66	69	66	65	64	62	61
2	65	61	58	64	60	57	58	56	53
3	61	55	51	59	54	51	53	49	47
4	56	50	45	55	49	45	48	44	41
5	56	45	40	50	44	39	43	39	36
10	34	26	21	33	26	21	25	21	18

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1170	20.2	32.1
0-40	1986	34.2	54.5
0-60	3427	59.3	94.3
0-90	3643	62.8	100.0
90-180	0	0.0	0.0
0-180	3643	62.8	100.0

9NAT 9" wide

MOUNTING DATA

Ceiling Type	Appropriate Trim Type
Exposed grid tee, concealed grid tee or screw slot	G, GF[1], GF1
Concealed Z-spline	F
Acoustical tile, plaster or plasterboard on rigid support parallel to lamps	F[2]

With lift and shift louver

With yoke hanger and lift and shift lens

[1] GF trim requires LATC clips (provided standard). Ceiling grid supports fixture end. Flange trim supports ceiling tile along length of fixture.

[2] Recommended rough-in dimension for F trim fixtures: Nominal fixture length by 9-1/8" (Tolerance is +1/4", -0").

DIMENSIONS

Inches (centimeters)
Subject to change without notice.

LATC INSTALLATION
G TRIM

ORDERING INFORMATION

Example: **9NAT F 1 32 203LD 120 GEB**

Series

9NAT 9" wide, unit

Mounting

- **G** Lay-in grid
- **F** Flanged
- **GF** Grid ends, flanged sides support ceiling tile.
- **GF1** Grid trim ends and one grid side, one flange side to support ceiling tile.

Number of Lamps

1, 2
Not included.

Lamp Type

- **17** 17W T8 (24")
- **20** 20W T12 TS (24")
- **25** 25W T8 (36")
- **30** 30W T12 (36")
- **32** 32W T8 (48")
- **40** 40W T12 (48")

Voltage

120, 277, 347
Others available.

Options

- **ES** Energy-saving ballasts (2-30W, 1-40W and 2-40W only)
- **GEB** Electronic ballasts, £20% THD
- **GEB10** Electronic ballasts, £10% THD
- **EL** Emergency battery pack (nominal 500 lumens)
- **EL11** Emergency battery pack (nominal 1100 lumens)
- **GLR** Internal fast-blow fuse (add **X** for external)
- **GMF** Internal slow-blow fuse (add **X** for external)
- **RIF1** Radio interference filter, 1 per fixture
- **RIF2** Radio interference filter, 1 per ballast
- **CSA** Listed and labeled to comply with Canadian standards.
- **NOM** Listed and labeled to comply with Mexican standards.

Row Information for Flanged Mounting Only

(Add suffix to catalog number)

- **CRE** Trim for continuous row end. Used when continuous appearance of shielding is desired. Two required per row.
- **CRM** Trim for continuous row middle. Used when continuous appearance of shielding is desired. Quantity per row is number of fixtures in row less two CRE.

Number of Louver Cells

Lamp Length	2" Spacing	3" Spacing
24"	12	8
36"	18	12
48"	24	16

Louver Depth

- **15** 1.5" louver
- **20** 2" louver

Louver Blade Spacing

- **2** 2" center-to-center (1.5" louver depth only)
- **3** 3" center-to-center

Louver Finish

- **LD** Low iridescent semi-specular silver
- **LS** Low iridescent specular silver
- **G** Specular gold
- **C** Champagne gold
- **W** White enamel

or

Door Type

Door frame optional. Diffusers may be framed or unframed.

- **(Blank)** No frame, lay-in shielding
- **FW** Flush white aluminum
- **FN** Flush natural aluminum
- **FM** Flush black aluminum
- **RW** Regressed white aluminum
- **RN** Regressed natural aluminum
- **RM** Regressed black aluminum

Diffuser Type

- **A12** #12 pattern acrylic
- **A19** #19 pattern acrylic, .156" thick
- **PC1S** Plastic cube louver, ½" x ½" x ½", silver

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