FTD-LED

Cleanroom LED Laminar Airflow Grid

PRODUCT SPECIFICATION

The FTD series is designed for use in laminar airflow cleanrooms.

Mounting
Ceiling grid mount. Knockouts on both ends permit conduit wiring and / or row mounting.

Lens
Snap-in extruded white (opal) diffuser.

Housing
18 gauge cold rolled steel die-formed to shape with seams welded and ground smooth. Stainless steel and 16 gauge aluminum available.

Electrical
Electrical components are mounted to a toolless removable power tray for ease of installation and maintenance.

Finish
Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

Driver
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring
Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Certifications
UL Listed wet location. IP43 rated and suitable for use in ISO-3 cleanrooms (209E Class 1).

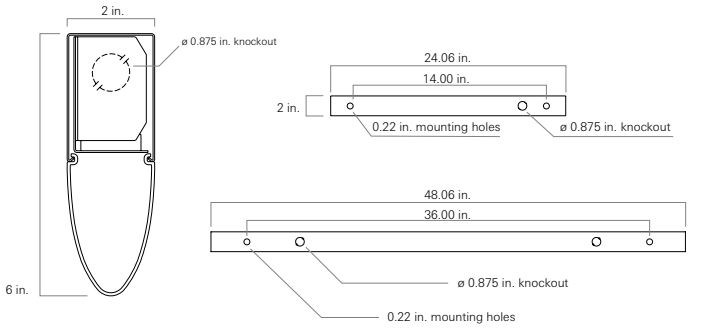
Job Name

Fixture Type

Catalog No.

Approval Date





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one	two	three	four	five	six	seven	eight	nine	ten
FTD		-			/		-	WH	-			-	VAR	DM	-	

one — Luminaire Size
- 2 — 2 ft. fixture
- 4 — 4 ft. fixture

two — LED Source
Refer to the LED Source Table on Page 2 for available options.

three — Color Temperature
- 30 — 3000K
- 35 — 3500K
- 40 — 4000K
- 50 — 5000K

four — CRI
- 80 — 80 CRI
- 90 — 90 CRI

five — Lens
- WH — White (opal) diffuser, standard

six — Material
- A — Aluminum
- C — Cold rolled steel, standard
- S — Stainless steel

seven — Finish
- R — Brushed (Stainless steel only)
- W — White, standard

eight — Voltage
- VAR — Variable, 120-277 V, 50/60Hz

nine — Driver
- DM — 0-10VDC Dimming, standard

ten — Options
- CU — Canadian UL Listing
- EM*[1] — Emergency battery backup
- FH — Fuse and holder
- RMxx*[2] — Row mounting
  Includes Chase Nipple(s), PVC Gasket(s), and Sealing Locknut(s)

*[1] *Not available in 2'*

*[2] *xx = Length of row in feet*

* Indicated as SO(xx/xxxx). Specified output, Input watts / delivered lumens to be determined based on specified requirements.

Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
2' Fixture									
1W15	1413	107	1452	110	1496	113	1496	113	13.2
1W21	1962	103	2015	105	2076	109	2076	109	19.1
4' Fixture									
1W21	2054	110	2110	113	2174	116	2174	116	18.7
1W30	2827	107	2903	110	2991	113	2991	113	26.5
1W41	3924	103	4031	105	4153	109	4153	109	38.2

Specified Output Option

L.C. Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example for how this will be specified:

Example Model:
FTD2-XX[1]SO-40/80-WH-CW-VARDM-(XX[2]/LUMENS)

LUMENS = You provide the lumens.
XX[1] = We will determine the number of rows.
XX[2] = We will provide the wattage information.