FAIL-SAFE®

DESCRIPTION

The Fail-Safe FDI Series combines maximum security construction features with energy saving technology. This wall mount task/ambient luminaire utilizes a heavy gauge housing, security lensing and tamper resistant fasteners to maximize impact resistance and prevent unauthorized fixture penetration. U.L. listed and C.S.A. certified for damp locations.

The FDI Series provides necessary lighting levels when wall mounted over a desk or grooming areas in inmate cell applications. Also suitable for use in public rest areas, dormitories and psychiatric hospitals.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Lens

Choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side.

B ... Fasteners

Stainless steel tamper-resistant TORX® screws are standard. Allen-head screws with center reject pin are optional.

C ... Housing

Die-formed 14 ga. CRS body with continuous welded and ground ends to form a one-piece,

C ... Housing Cont.

seamless, housing for maximum impact resistance and prevention of unauthorized fixture penetration. Standard white high reflectance polyester powder coat finish. Gloss: 85%; Reflectance: 93%; Hardness: 2H; Salt Spray: 500 Hours.

D ... Lamps

(By Others)

E ... Lens Retention

Lens secured by thru-studs and vertically adjustable internal CRS hold-downs.

F ... Hinge

Continuous, concealed piano hinge (1/4" diameter knuckle) with welded pin end to prevent removal.

G ... Door

One-piece, CRS door frame with die-formed edges and tightly closed corners increases rigidity (gauge to match housing).

H ... Ballast

Standard Class P, CBM/ETL ballast.

Labels

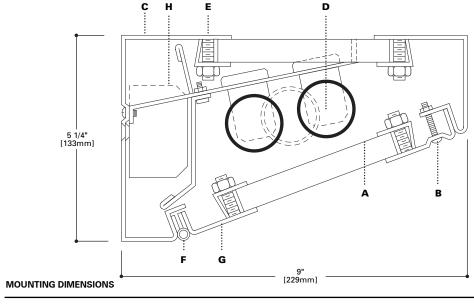
U.L. listed, C.S.A. certified, standard damp label.

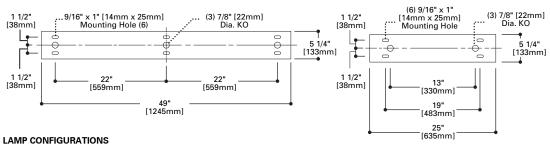


FDI

17W - 80W **Fluorescent**

MAXIMUM SECURITY TASK/AMBIENT LUMINAIRE













TORX® is a registered trademark of Camcar Division of Textron Inc

ENERGY DATA

Input Watts:

STD Ballasts & STD Lamps

- (1) 20W T12 Fluorescent: 32W (2) 20W T12 Fluorescents: 53W
- (1) 40W Biaxial Fluorescent: 45W
- (2) 40W Biaxial Fluorescents: 82W

ES Ballasts & STD Lamps

(1) 17W T8 Fluorescent: 23W (2) 17W T8 Fluorescents: 45W

(1) 32W T8 Fluorescents: 37W (2) 32W T8 Fluorescents: 71W

(1) 40W T12 Fluorescent: 50W

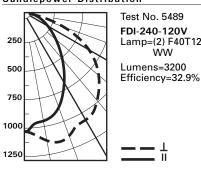
(2) 40W T12 Fluorescents: 86W

ES Ballasts & ES Lamps

(1) 40W T12 Fluorescents: 44W (2) 40W T12 Fluorescents: 76W

Electronic Ballast Data Consult Cooper Lighting Representative

Candlepower Distribution



FDI-240-120V Lamp=(2) F40T12RS/ Lumens=3200

Deg.	Т	II
0	1027	1027
5	1059	982
15	1131	933
25	1077	765
35	1017	575
45	915	388
55	792	253
65	466	144
75	239	78
85	146	30
90	124	0

Candlepower

Zonal	Lumen S		
Zone	Lumens	%Lamp	%Luminaire
0-20	356	5.6	16.9
0-40	1078	16.8	51.1
0-60	1752	27.4	83.1
0-90	2081	32.5	98.7
0-120	2108	32.9	100.0
0-180	2108	32.9	100.0

Coefficient of Utilization

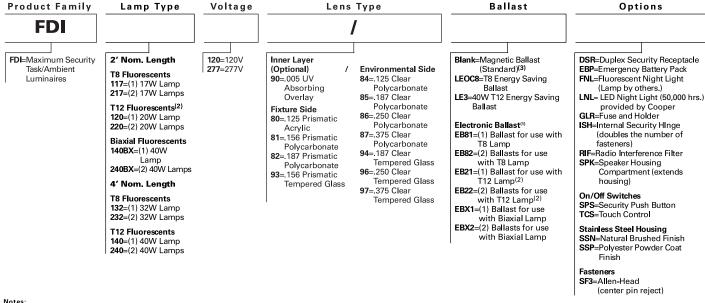
rc		8	0%			70%		50)%	30	%	10)%	0%
rw	70	50	30	10	50	30	10	50	10	50	10	50	10	0
RCR														
0	39	39	39	39	38	38	38	36	36	35	35	33	33	33
1	36	35	34	32	34	33	32	33	31	31	30	30	29	28
2	33	31	29	27	30	29	27	29	26	28	26	27	25	24
3	31	28	25	24	27	25	23	26	23	25	22	25	22	21
4	29	25	22	20	25	22	20	24	20	23	20	22	19	19
5	26	22	20	18	22	19	17	21	17	21	17	20	17	16
6	24	20	17	15	20	17	15	19	15	19	15	18	15	14
7	22	18	16	14	18	15	14	17	13	17	13	16	13	13
8	21	16	14	12	16	14	12	16	12	15	12	15	12	11
9	19	15	12	10	15	12	10	14	10	14	10	13	10	10
10	18	14	11	09	13	11	09	13	09	13	09	12	09	09
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rc = Ceiling reflectance, rw = Wall reflectance, RCR = Room cavity ratio

CU Data Based on 20% Effective Floor Cavity Reflectance.

ORDERING INFORMATION

SAMPLE NUMBER: FDI-240-120-80/86-LE3-RIF



Notes:For additional options consult Cooper Lighting Representative.

Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the

device away from the product or plug/connect into a different circuit/outlet. ¹For specific electronic ballast specify brand and catalog number.

²Electronic ballast not available for F20T12 lamps.

³For use with Compact Fluorescent, Biaxial, and 20W T12 lamps.

⁴For additonal information about the TCS option see Fail-Safe spec sheet for TCS Touch Control System (ADC030025) or pages 1106 and 1107 in the 4th Edition of the Cooper Lighting Buyer's Guide. Accessories (order separately)

9306=Allen-Head Wrench VRSD=TORX®-Head Vandal Resistant Screwdriver

