

DESCRIPTION

The Fail-Safe FWSCR series combines maximum corrosion resistance and energy-saving technology for your industrial environment. Designed to retain the features of a commercial wraparound, the FWSCR assures a maintenance-free light source for any corrosion-prone area. The surface-mounted luminaire utilizes a stainless-steel continuously welded housing. The flexible size of this 1- to 3-lamp fixture is capable of lighting any area. Ceiling-mount, U.L.-listed and C.S.A.-certified for wet location.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Application

The FWSCR series is an excellent choice for all corrosion-prone industrial environments. Consideration should be given to any atmosphere consisting of acids, alkalis, salts, gases or water. Critical locations are where water, condensation, vaporization, heating and cooling may occur.

A ... Lens

Nominal .156 UV-stabilized clear K12, impact-resistant, prismatic polycarbonate refractor for high efficiency, low surface brightness and maximum strength.

B ... Fasteners

Four to six captive stainless-steel fasteners. Phillips head is standard. Also available with tamper-resistant screws.

C ... Housing

Die-formed 20-ga. stainless-steel body with continuously welded and ground ends. Standard 304 stainless-steel, cold-rolled and annealed, with a natural brushed finish.

D ... Lamps

(By Others)

E ... Gasket

Concealed, polyurethane end gaskets inhibit the entrance of environmental contaminants.

F ... Ballast

Standard Class P, CBM/ETL ballast.

Labels

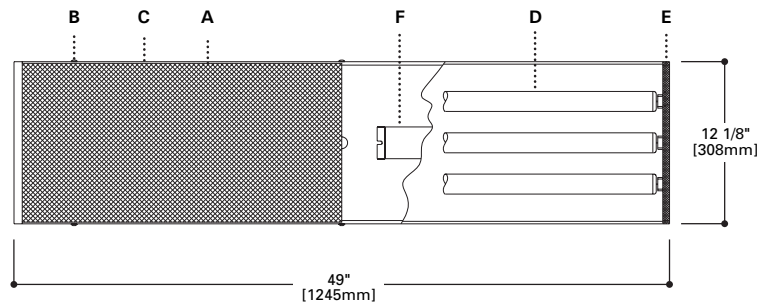
U.L.-listed, C.S.A.-certified wet label.



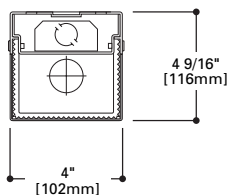
FWSCR

17W - 120W
Fluorescent

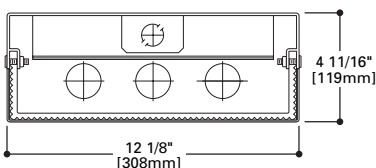
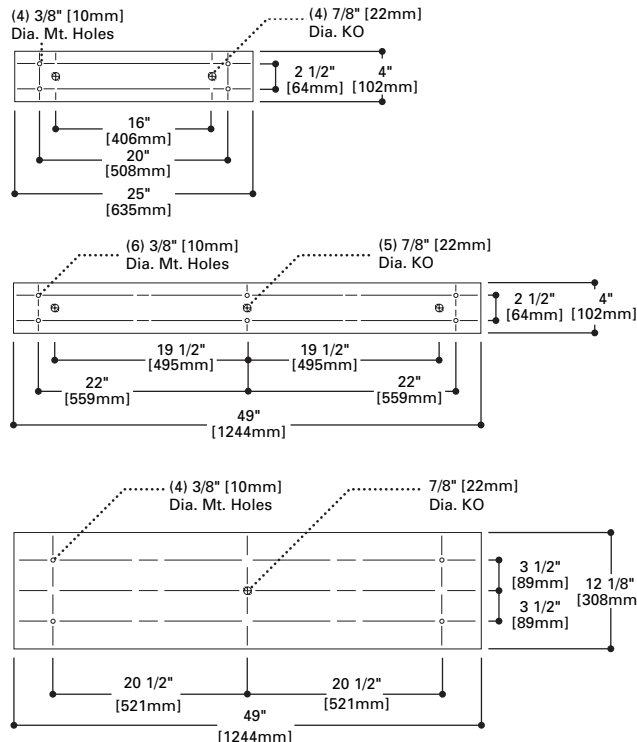
STAINLESS-STEEL
SURFACE LUMINAIRE
Clear Prismatic or White
1 and 3 Lamp



SIDE DIMENSIONS



MOUNTING DIMENSIONS



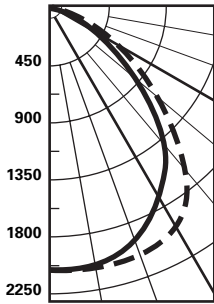
TORX® is a registered trademark of Camcar Division of Textron Inc.

ENERGY DATA

For Energy Management related technical data to support the performance of this fixture series, refer to the ordering information for input wattage.

PHOTOMETRICS

Candlepower Distribution



Test No. 4870
FWSCR-340-120
 Lamp=(3) F40T12RS/
 WW
 Lumens=3200
 Spacing Criteria
 $I=1.4$ $II=1.2$
 Efficiency=55.0%

Candlepower

Deg.	I	II
0	2107	2107
5	2111	2107
15	2123	2044
25	2105	1876
35	1928	1567
45	1290	912
55	706	565
65	438	266
75	381	139
85	359	71
90	283	7

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	1641	17.1	31.3
0-40	2765	28.8	52.8
0-60	4137	43.1	79.0
0-90	4933	51.4	94.1
90-180	307	3.2	5.9
0-180	5240	54.6	100.0

Coefficient of Utilization

rc	80%				70%			50%		30%		10%		0%
rw	70	50	30	10	50	30	10	50	10	50	10	50	10	0
RCR														
0	47	47	47	47	46	46	46	43	43	41	41	39	39	38
1	44	42	40	39	41	39	38	39	36	37	35	35	34	33
2	40	37	35	33	36	34	32	35	31	33	30	32	29	28
3	37	34	31	29	33	30	28	31	27	30	27	29	26	25
4	35	31	27	25	30	27	25	29	24	27	24	26	23	22
5	32	28	24	22	27	24	22	26	21	25	21	24	21	20
6	30	25	22	20	25	22	20	24	19	23	19	22	19	18
7	28	23	20	18	23	20	18	22	17	21	17	20	17	16
8	26	21	18	16	21	18	16	20	15	19	15	19	15	14
9	24	19	16	14	19	16	14	18	14	18	14	17	13	13
10	23	18	15	13	17	14	13	17	12	16	12	16	12	11

rc=Ceiling reflectance, rw=W all reflectance, RCR=Room cavity ratio

CU Data Based on 20% Effective Floor Cavity Reflectance.

ORDERING INFORMATION

SAMPLE NUMBER: FWSCR-340-120-LE3-GLR

Product Family	Lamp Type	Voltage	Ballast	Options	Accessories (order separately)
FWSCR					
Surface Luminaire FWSCR	T8 Fluorescents 117=(1) 17W Lamp 317=(3) 17W Lamps 132=(1) 32W Lamp 332=(3) 32W Lamps T12 Fluorescents 120=(1) 20W Lamp 320=(3) 20W Lamps 140=(1) 40W Lamp 340=(3) 40W Lamps Biaxial Fluorescent 140BX=(1) 40W Lamp 340BX=(3) 40W Lamps	120=120V 277=277V 347=347V	LE3=Energy Saving Ballast Electronic Ballast¹ EB81 =(1) Ballast for use with T8 Lamp EB82 =(2) Ballasts for use with T8 Lamp EB21 =(1) Ballast for use with T12 Lamp ² EB22 =(2) Ballasts for use with T12 Lamp ² EBX1 =(1) Ballast for use with Biaxial Lamp EBX2 =(2) Ballasts for use with Biaxial Lamp	EBP =Emergency Battery Pack ELR =End Lens Retention GLR =Fuse and Holder OPL =Opal Diffuser RIF =Radio Interference Filter SF1 =TORX®-Head (center pin reject) FNL =Fluorescent Night Light (Lamp provided by others)	VRSD =TORX®-Head Vandal Resistant Screwdriver (Only required if using SF1 Option)

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.

¹ For specific electronic ballast, specify brand and catalog number.

² Electronic ballast not available with F20T12 lamps.