

Fluorescent (Emergency) Lighting Fixtures SGFL Series

Recessed Type Booth Type

❖ Type of Explosion-proof
Non – Sparking (Ex nR II T6)

❖ Application

SGFL Series fluorescent lighting fixtures are used ;

- in heavy process industries having environments where flammable or explosive vapors or gases are present.
- in hazardous areas, both indoors and outdoors where long life and low maintenance costs are desired.
- in petroleum refineries, chemical, petrochemical and other heavy process industry facilities.
- where ignitable concentrations of flammable gases, vapors or liquids can exist all of the time or some of the time under normal operation conditions.
- in installations where moisture, dirt, dust, vibration, corrosion and rough usage are problems.

❖ Features

- The lighting fixture consist of the main body and the inside reflector, both made of pressed sheet steel, and 1-5 lamp cover assemblies.
- The lamp cover is sealed at each end into the lampholder casing by synthetic rubber packing, and an access cover to the relamping lampholder is provided so as to restrict breathing.
- The guard is designed to be able to open at either side by releasing 4 fixing screws to down guard by two hinges.



<SGFL 86252>

❖ Standard Materials

- Enclosure : Sheet steel
- Lamp cover : Heat resistant hard tubing glass
- Guard : Stainless steel
- Reflector : Sheet steel (Stove enamelled white inside)
- Lamp holder casing : Urea resin

❖ Certification

- Certified by KOSHA (Korea Occupational Safety & Health Agency), KGS (Korea Gas Safety Corporation), and the others.

❖ Compliance

- IEC 60079-0, 15
- NEMA 3, 3R, 7

❖ Standard Finish

- MUNSSELL No. 7.5BG 6/1.5
- If you want another color, contact us please.

❖ Technical Data

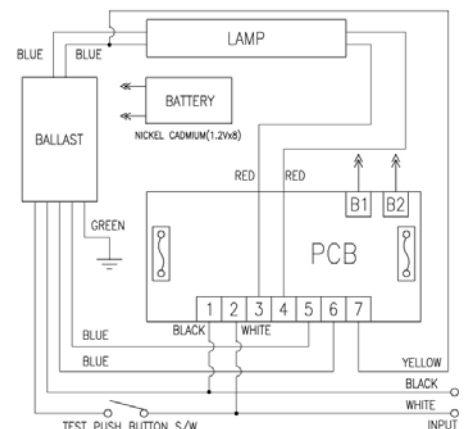
Electrical Rating	
Rated Voltage	AC110V/ 220V/ 240V
Rated Wattage	32W/ 36W/ ×1/ ×2/ ×3/ ×4/ ×5
Rated Frequency	50Hz/ 60Hz
Entry Size	1/2", 3/4", 1"

❖ Weight

Catalog No.	Weight
SGFL 86252	37 kg

❖ Emergency

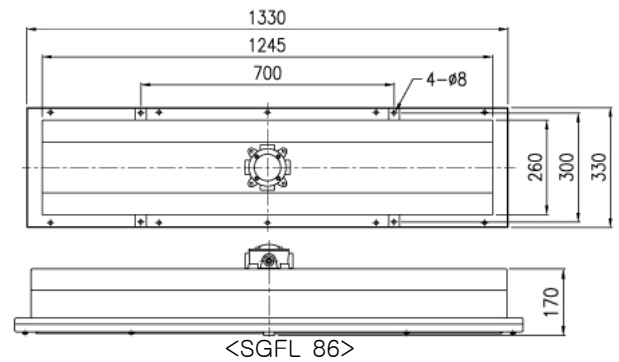
Battery Rating	
DC 9.6V 1.2Ah	
Operating Time	
30min or 1hr	



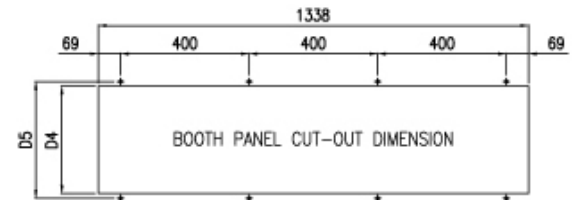
⇒ If you need more information, contact us please.

❖ Ordering Number

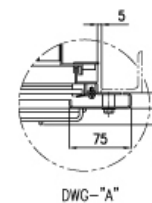
Lamp	Type	Watt	Voltage	Catalog No.	Certification
Fluorescent Lamp	Recessed Type	20W×1	110	SGFL 86121	Ex nR II T6
			220	SGFL 86221	
		20W×2	110	SGFL 86122	
			220	SGFL 86222	
		36W×1	110	SGFL 86151	
			220	SGFL 86251	
		36W×2	110	SGFL 86152	
			220	SGFL 86252	
		36W×3	110	SGFL 86153	
			220	SGFL 86253	
		36W×4	110	SGFL 86154	
			220	SGFL 86254	
	Booth Type	36W×1	110	SGFL 87151	
			220	SGFL 87251	
		36W×2	110	SGFL 87152	
			220	SGFL 87252	
		36W×3	110	SGFL 87153	
			220	SGFL 87253	
		36W×4	110	SGFL 87154	
			220	SGFL 87254	
		36W×5	110	SGFL 87155	
			220	SGFL 87255	
	Emergency Type	36W×1	110	SGEFL 87151	
			220	SGEFL 87251	
		36W×2	110	SGEFL 87152	
			220	SGEFL 87252	
		36W×3	110	SGEFL 87153	
			220	SGEFL 87253	
		36W×4	110	SGEFL 87154	
			220	SGEFL 87254	
		36W×5	110	SGEFL 87155	
			220	SGEFL 87255	



<SGFL 86>



<SGFL 87>



LAMP SIZE	OPERATING FORM		DIMENSIONS(mm)				
	NORMAL	EMERGENCY	D1	D2	D3	D4	D5
40W x 1	□	●	360	280	320	290	320
32W x 2	□□	●●	360	280	320	290	320
40W x 2	□□	●●	360	280	320	290	320
40W x 4	□□□□	●●●●	460	380	420	390	420
40W x 4	□□□□	●●●●	460	380	420	390	420
40W x 5	□□□□□	●●●●●	460	380	420	390	420
40W x 5	□□□□□	●●●●●	460	380	420	390	420

❖ Ordering Information

SGFL	3	1	1	4	1
①	②	③	④	⑤	⑥

① Lighting Fixture Type
SGFL - Fluorescent Lighting
SGEFL - Emergency Type

② Model Type
86 - Recessed Type
87 - Booth Type

③ Voltage (V)
1 - 110
2 - 220
3 - 230
4 - 240

④ Lamp Wattage (W)
1 - 18
2 - 20
3 - 32
4 - 40
5 - 36

⑤ Quantity of Lamp
1 - ×1
2 - ×2
3 - ×3
4 - ×4
5 - ×5

❖ Photometric Data

<p><SGFL 86232> + Lamp : FL32×2(6000 lm) + With globe and guard</p> <hr/> <p>Right picture explanation + Blue : Normal to Lamp + Red : Parallel to Lamp</p>		0°-180°(Blue)		90°-270°(Red)	
		Angle	cd/1000 lm	Angle	cd/1000 lm
		0	183	0	183
		10	183	10	183
		20	169	20	169
		30	155	30	155
		40	141	40	127
		50	127	50	84
		60	84	60	56
		70	42	70	14
		80	14	80	0
		90	0	90	0