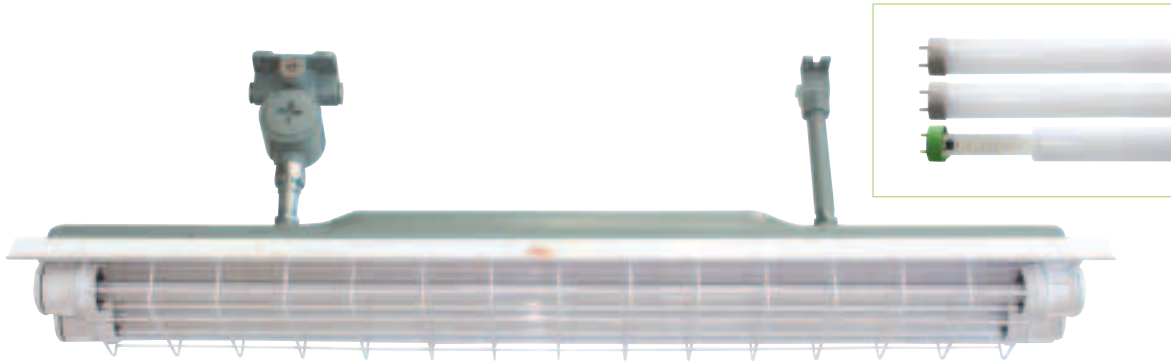


LED Fluorescent Lighting Fixtures

NFL SERIES

Type of Explosion-Proof : **Non Sparking (Ex nA II T5)**



LED Benefits

- Provide superior safety and comfortable environment.
- Comfortable lighting that minimizes the fatigue of the eyes by eliminating the flickering phenomenon of existing fluorescent lamp.
- Saves energy by 30% or more compared to existing fluorescent lamp.
- Saves maintenance costs : long life with low energy consumption and high efficiency.
- Non-toxic eco-friendly lighting with 3-FREEs (Solder-free, mercury-free, existing HID and incandescent luminaires cadmium-free)

Standard Materials

- Enclosure : Sheet steel
- Mounting Box : Die casting aluminium alloy
- Globe : Heat resistant hard glass
- Reflector : Sheet Steel
- Guard : Steel

Standard Finish

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

Application

- NFL Series lighting fixture are used**
- Areas requiring frequent on-and-off of lights
 - Two lumen outputs for replacement of existing HID and incandescent luminaires
 - Where flammable vapors, gases, ignitable dusts, fibers or flyings are present; indoors or outdoors
 - Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
 - Manufacturing plants; heavy industrial, chemical, petrochemical or pharmaceutical facilities; latforms; loading docks; tunnels; outdoor wall and stanchion mounted general area lighting

Fluorescent lamp	Comparison of Economic efficiency	LumiDas Tube
	28% saved	
32	Power consumption(W)	23
-	Consumed electricity volume(kW/h)	-
-	Electricity amount(kW/h)	-
0	Carbon saved	0.08 ton/y
*Criteria: 12 hours daily, entire year, 5 products each(1:1 replacement)		*Equivalent to planting 26 nut pine trees

Compliance & Certification

- IEC 60079-0,15
- Notification of Ministry of Labor No. 2010-36
- Certified by KGS (Korea Gas Safety Corporation)

Technical Data

Electrical Ratings	
Rated Voltage	AC110V/220V/240V (*See Below)
Rated Wattage	22W*2 / 24W*2
Rated Frequency	50Hz/60Hz
Entry Size	3/4"

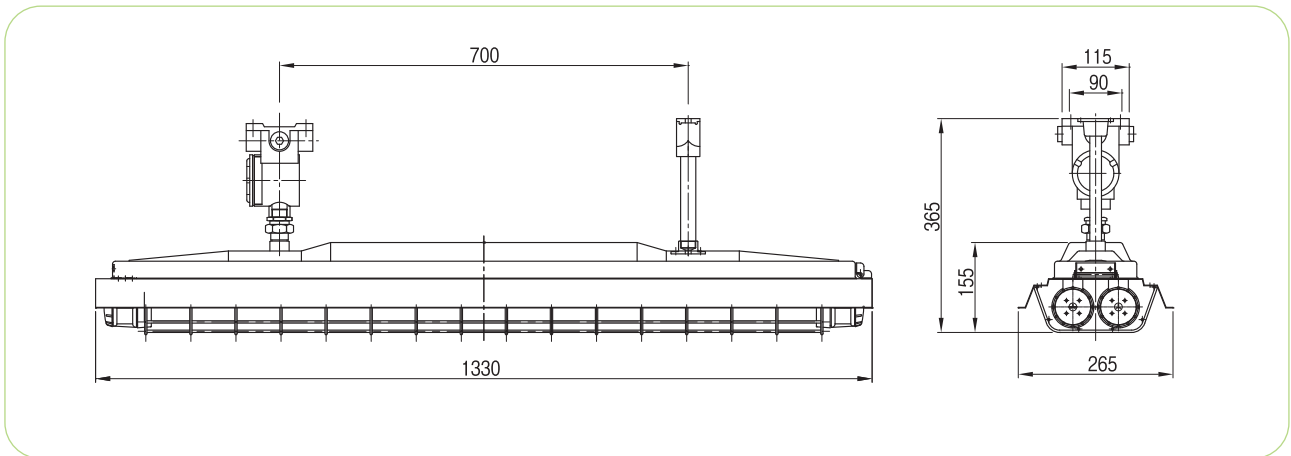
Ordering Number

LAMP	Watt	Ceiling
LED TUBE	22W X 1	SEBP-NFL-221
	22W X 2	SEBP-NFL-222
	24W X 1	SEBP-NFL-241
	24W X 2	SEBP-NFL-242

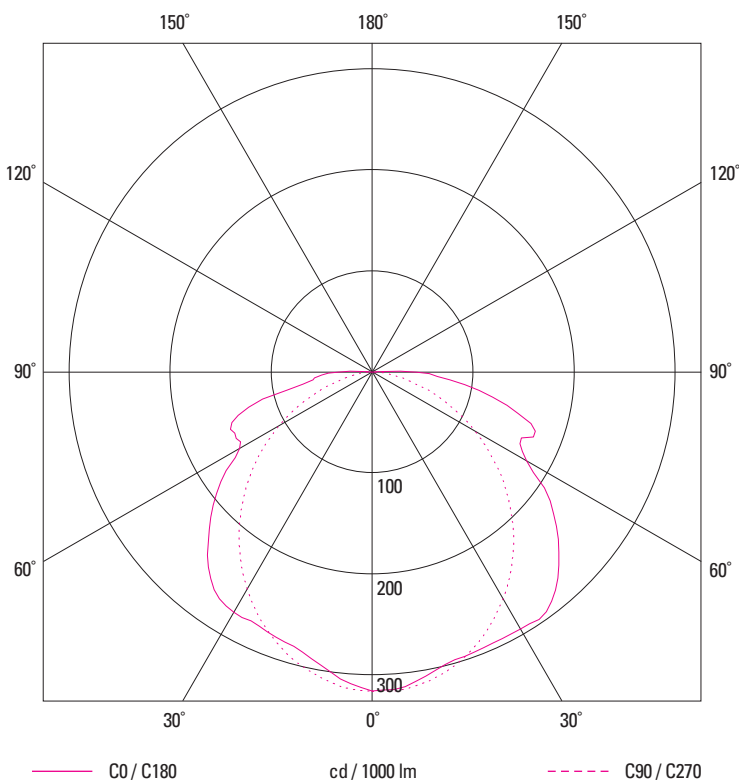
Weight

Miunting Type	Catalog No.	Weight
Ceiling Type	SEBP-NFL242	14.0KG

Dimension



Photometric Data



	C0	C90	C180
0°	316	316	316
5°	314	316	307
10°	305	311	294
15°	297	303	284
20°	295	291	279
25°	293	276	275
30°	293	259	274
35°	295	239	269
40°	282	217	252
45°	261	194	229
50°	238	170	205
55°	212	144	180
60°	177	118	152
65°	161	92	150
70°	172	67	148
75°	144	43	120
80°	107	23	70
85°	71	11	54
90°	44	1	34
	cd / 1000 lm		