

Incandescent / Compact Fluorescent Lighting Fixtures EULS Series

Wet Locations
Factory Sealed
NEMA 3, 3R, 7

❖ Type of Explosion-proof
Flameproof (Ex d IIB T4)
Dust Ignition-proof (Ex DP II 12 IP55)

❖ Application

EULS Series lighting fixtures are used ;

- in tunnels, building entrances and similar locations where moisture, dirt, chemicals or rough usage are a problem.
- in heavy process industries having environments where flammable or explosive vapors or gases, or where combustible dusts are present.
- in areas where combustible dusts and flammable vapors are present simultaneously.
- in hazardous areas, both indoors and outdoors where long life and low maintenance costs are desired.
- where high light output is needed but space is limited.
- where ignitable concentrations of flammable gases, vapors, liquids or dusts can exist some of the time under normal operating conditions.



< EULS >

❖ Compliance & Certification

- Certified by KOSHA (Korea Occupational Safety & Health Agency), KGS (Korea Gas Safety Corporation), and the others.
- IEC 60079- 0.1
- NENA 3.3R.7

❖ Features

- Globe assembly is securely hinged to the body.
- Mounting box has four-way conduit entries and a large access opening cover for wiring.

❖ Standard Materials

- Enclosure : Die casting aluminium
- Globe : Heat resistant hard glass
- Inner Reflector : High purity aluminium
- External Hardware : Stainless steel
- Mounting Box : Cast aluminium alloy

❖ 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/ DC110V
Rated Wattage	IL 100W/ CFL 20W
Rated Frequency	50Hz/ 60Hz
Entry Size	1/2", 3/4", 1"

❖ Weight

Mounting Type	Catalog No.	Weight
Ceiling	EULS 3021	2.8 kg

⇒ If you need more information, contact us please.

Lighting Fixture

❖ Ordering Number

Lamp	Watt	Pendant	Ceiling	90° Bracket	40° Bracket	Certification
Incandescent Lamp	100		EULS 3021			Ex d IIB T4
Compact Self Ballast Fluorescent Lamp	20		EULS 3022			Ex DP II 12

* Pendant , 90° and 40° Bracket types are order-made items.

❖ Ordering Information

<u>EULS</u> <u>30</u> <u>2</u> <u>1</u>
① ② ③ ④

①,② EULS Lighting Fixture

④ Watt
0 - 20
1 - 100

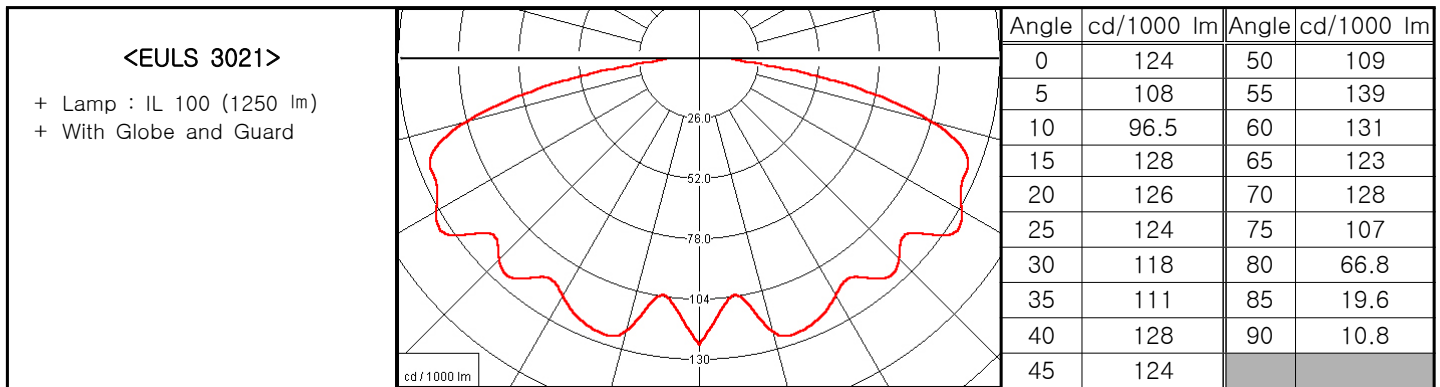
③ Mounting Type

- 1 - Pendant
- 2 - Ceiling
- 3 - 90° Bracket
- 4 - 40° Bracket

❖ Temperature Performance Data

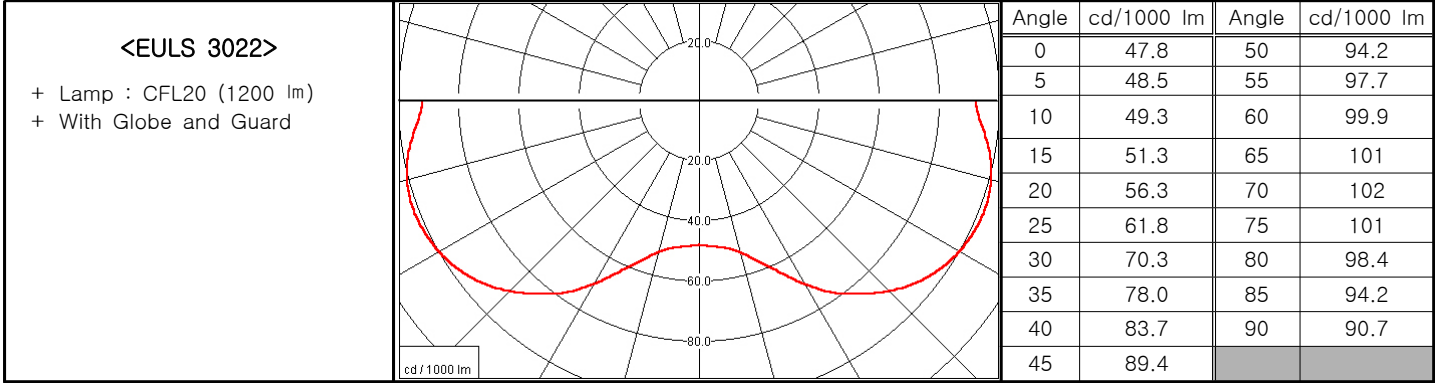
Lamp		Ambient Temp (°C)	Flameproof "d"	Dust-Ignition "DP"
Type	Watt.			
Incandescent	100	40	T4	-
		55	-	-
Compact Fluorescent	20	40	T5	12
		55	-	-

❖ Photometric Data



Coefficients of Utilization – Zonal Cavity

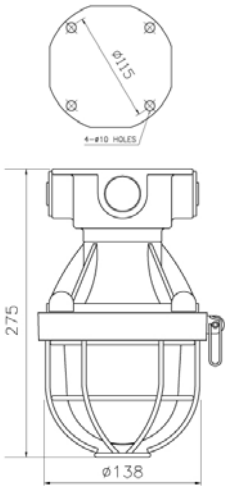
%Effective Ceiling Cavity Reflectance(ρ _{cc})	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio RCR	20% Effective Floor Cavity Reflectance															
0	.77	.77	.77	.76	.76	.76	.72	.72	.72	.69	.69	.69	.66	.66	.66	.65
1	.68	.65	.63	.66	.64	.62	.64	.61	.60	.61	.59	.58	.59	.57	.56	.55
2	.59	.55	.51	.58	.54	.50	.55	.52	.49	.53	.50	.48	.51	.49	.47	.45
3	.52	.46	.42	.51	.46	.42	.49	.44	.41	.47	.43	.40	.45	.42	.39	.38
4	.45	.40	.35	.45	.39	.35	.43	.38	.34	.41	.37	.34	.40	.36	.34	.32
5	.40	.35	.30	.40	.34	.30	.38	.33	.30	.37	.33	.29	.36	.32	.29	.28
6	.36	.30	.26	.36	.30	.26	.35	.30	.26	.33	.29	.26	.32	.28	.25	.24
7	.33	.27	.23	.32	.27	.23	.31	.26	.23	.30	.26	.23	.29	.25	.22	.21
8	.30	.24	.21	.30	.24	.20	.29	.24	.20	.28	.23	.20	.27	.23	.20	.19
9	.28	.22	.19	.27	.22	.18	.26	.22	.18	.26	.21	.18	.25	.21	.18	.17
10	.26	.20	.17	.25	.20	.17	.25	.20	.17	.24	.20	.17	.23	.19	.17	.15



Coefficients of Utilization – Zonal Cavity

%Effective Ceiling Cavity Reflectance(ρ_{cc})	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
%Wall Reflectance(ρ_w)	20% Effective Floor Cavity Reflectance															
Room Cavity Ratio RCR																
0	.67	.67	.67	.66	.66	.66	.63	.63	.63	.60	.60	.60	.57	.57	.57	.56
1	.56	.54	.51	.55	.52	.50	.53	.50	.48	.50	.49	.47	.48	.47	.45	.44
2	.47	.43	.39	.46	.42	.38	.44	.40	.37	.42	.39	.36	.40	.38	.35	.34
3	.40	.35	.30	.39	.34	.30	.37	.33	.29	.36	.32	.29	.34	.31	.28	.27
4	.35	.29	.24	.34	.29	.24	.32	.28	.24	.31	.27	.24	.30	.26	.23	.22
5	.30	.25	.20	.30	.24	.20	.29	.24	.20	.27	.23	.20	.26	.22	.19	.18
6	.27	.21	.17	.27	.21	.17	.25	.21	.17	.24	.20	.17	.23	.20	.17	.15
7	.24	.19	.15	.24	.19	.15	.23	.18	.15	.22	.18	.15	.21	.17	.14	.13
8	.22	.17	.13	.22	.17	.13	.21	.16	.13	.20	.16	.13	.19	.16	.13	.12
9	.20	.15	.12	.20	.15	.12	.19	.15	.11	.18	.14	.11	.18	.14	.11	.10
10	.18	.14	.10	.18	.13	.10	.18	.13	.10	.17	.13	.10	.16	.13	.10	.09

❖ Dimension



< Ceiling Type >