

## Incandescent Lighting Fixtures EML Series

Wet Locations  
NEMA 3, 3R, 7

❖ Type of Explosion-proof  
Flameproof (Ex d IIB T3)

### ❖ Application

- EML Series incandescent lighting fixtures are used ;
- for flush or surface mounting on ceiling, wall or pedant in conduit systems.
  - in hazardous areas, both indoors and outdoors where enclosed and gasketed fixtures are required.
  - in tunnels, building entrances and similar locations, where moisture, dirt, chemicals, vibration or rough usage are a problem.
  - where ignitable concentrations of flammable gases, vapors, liquids or dusts can exist some of the time under normal operating conditions.

### ❖ Features

- Designed to exclude dirt, moisture and corrosive vapors from the interior of the fixtures and the conduit system.
- The globe-guard assembly in installed and removed as a unit making it necessary to handle only one piece in relamping.
- All fixtures are rugged and corrosion-resistant.

### ❖ Certification

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

### ❖ Standard Finish

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

### ❖ Options

- Guard : Stainless steel
- Reflector : Aluminium Dome Reflector  
Aluminium 30° Angle Reflector
- Pole type pendant

### ❖ Ordering Number

Lamp	Watt	Pendant	Ceiling	Bracket	Certification
Incandescent Lamp	100	EML 8011	EML 8021	EML 8031	Ex d IIB T3
	150	EML 8014	EML 8024	EML 8034	
	200	EML 8012	EML 8022	EML 8032	
	300	EML 8013	EML 8023	EML 8033	

\* For Pole type, see pole section (1L-19)

⇒ If you need more information, contact us please.



<EML 8024>

### ❖ Standard Materials

- Enclosure : Cast aluminium alloy
- Globe : Heat resistant hard glass
- Globe Ring : Cast aluminium alloy
- Guard : Stainless steel wire

### ❖ Compliance

- IEC 60079-0, 1
- NEMA 3, 3R, 7
- IP 55

### ❖ Weight

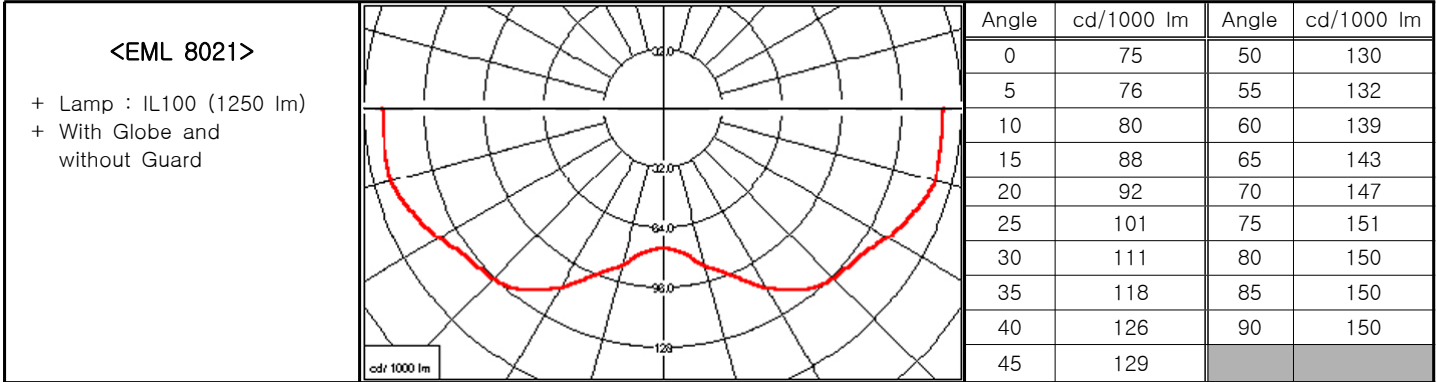
Mounting Type	Catalog No.	Weight
Ceiling	EML 8024	4.7 Kg

### ❖ Technical Data

Electrical Rating	
Rated Voltage	AC110V/ 220V/ 240V DC110V
Rated Wattage	100W/ 150W/ 200W/ 300W
Entry Size	1/2", 3/4", 1"

\* Atmosphere Temp : -20°C ~ 55°C

## ❖ Photometric Data



## Coefficients of Utilization – Zonal Cavity

%Effective Ceiling Cavity Reflectance( $\rho_{cc}$ )	80			70			50			30			10			0
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
%Wall Reflectance( $\rho_w$ )	20% Effective Floor Cavity Reflectance															
Room Cavity Ratio RCR																
0	.88	.88	.88	.86	.86	.86	.82	.82	.82	.78	.78	.78	.75	.75	.75	.74
1	.74	.70	.66	.72	.68	.65	.69	.66	.63	.66	.63	.61	.63	.61	.59	.57
2	.62	.55	.50	.60	.54	.49	.57	.52	.48	.55	.51	.47	.52	.49	.46	.44
3	.52	.45	.39	.51	.44	.39	.49	.43	.38	.47	.42	.37	.45	.40	.37	.35
4	.45	.38	.32	.44	.37	.32	.42	.36	.31	.40	.35	.31	.39	.34	.30	.28
5	.40	.32	.27	.39	.32	.26	.37	.31	.26	.36	.30	.26	.34	.29	.25	.24
6	.35	.28	.23	.35	.28	.23	.33	.27	.22	.32	.26	.22	.31	.26	.22	.20
7	.32	.25	.20	.31	.24	.20	.30	.24	.19	.29	.23	.19	.28	.23	.19	.17
8	.29	.22	.17	.28	.22	.17	.27	.21	.17	.26	.21	.17	.26	.21	.17	.15
9	.27	.20	.15	.26	.20	.15	.25	.19	.15	.24	.19	.15	.24	.19	.15	.14
10	.30	.24	.20	.29	.24	.20	.29	.24	.20	.28	.23	.20	.27	.23	.20	.19

## ❖ Dimension

