ELS

Energy saving
Lighting Innovation
Sustainable

Catalog: Trend LED ceiling light

ELS lighting presents the new Trend in residential LED Lighting. Its 14W input power produces enough output to replace 2x 60W incandescent bulbs. ELS-Trend, bringing natures light home.

What's Included

Each light fixture comes with a mounting kit (ready to install)

Mounting Option

– **Surface mount**

Specifications

***Lamp Type*: LED**
***Color Rendering Index (CRI)*: ≥85**
***Lifespan*: 35,000 hours**
***Frame Material*: Painted steel**
***Diffusing surface:* Clear acrylic lens**
***Warranty*: 5 year limited warranty**

Available Options

Model	Input Voltage (V)	Frequency (Hz)	Lamp Watt (W)	Power Factor (PF)	Lumen Output (Lm)	CRI	CCT(K)	Dimension (mm)	Average Life (H)	Dimmable
TR-1214W	AC120	50/60	14	0.9	1010	90	3000-5000	Φ126X82	35000	Yes
TR-1418W	AC120	50/60	18	0.9	1290	90	3000-5000	Φ330X110	35000	Yes
TR-1622W	AC120	50/60	22	0.9	1550	90	3000-5000	Φ400X116	35000	Yes
TR-1826W	AC120	50/60	26	0.9	1850	90	3000-5000	Φ440X126	35000	Yes

Application Areas

Residential

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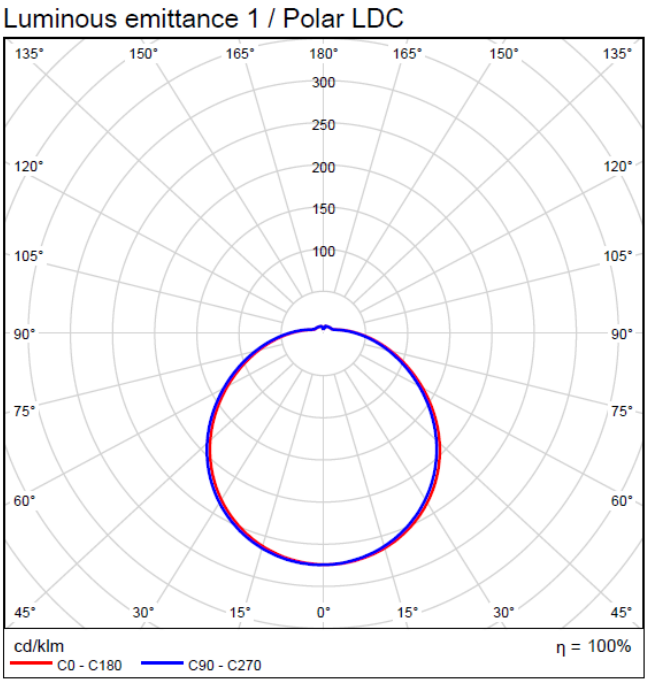
ENERGY STAR

COMPLIANT · COMPLIANT · ROHS

Polar Candela Distribution



Legend

- **Polar Candela Distribution**: shows the distribution pattern of the luminaire
- **Coefficients of Utilization**: It is a measure of the efficiency of a luminaire in transferring luminous energy to the working plane in a particular area
  - **Rc**: Ceiling reflection
  - **Rw**: Wall reflection
  - **Beam width**: Is five (5) times the ratio of total vertical to total horizontal surface area within the room cavity, and therefore indicates the relative space proportions
- **Zonal Lumen Summary**: total light output at multiple zones

Coefficients of Utilization

Rc	0%	10%			30%			50%			70%				80%			
Rw	0	10	30	50	10	30	50	10	30	50	10	30	50	70	10	30	50	70
RCR																		
0	91	94	94	94	101	101	101	108	108	108	116	116	116	116	120	120	120	120
1	72	75	77	80	80	83	85	85	88	92	90	94	98	103	92	97	102	108
2	59	62	66	69	66	70	74	69	74	80	73	78	85	93	74	81	88	97
3	50	53	57	61	55	60	65	58	63	70	60	67	75	85	62	69	77	89
4	43	45	50	55	47	52	58	49	55	62	51	58	67	78	52	59	69	81
5	37	40	44	50	41	46	53	43	49	56	45	51	60	72	45	52	62	75
6	33	35	40	45	37	42	48	38	43	51	39	45	54	67	40	46	56	69
7	29	32	36	42	33	38	44	34	39	47	35	41	49	62	36	42	51	65
8	27	29	33	39	30	34	41	31	36	43	31	37	45	58	32	38	47	60
9	24	26	30	36	27	32	38	28	33	40	29	34	42	54	29	35	43	57
10	22	24	28	34	25	29	35	26	30	37	26	31	39	51	27	32	40	53

Zonal Lumen Summary

Zone	*Lumens*	*% Fixture*
0-30	249	22.7
0-40	390	35.6
0-60	650	59.4
0-90	928	84.7
0-180	1095	100.0

Installation Instruction-Opus LED ceiling light

1. Before beginning assembly, installation or operation of product, make sure all parts are present. Compare parts with package contents list on previous page. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.
2. Open the 3 diffuser latches (figure 1).
3. Install the electrical box screws in the junction box (figure 2).
4. Connect the black and the white wires of the fixture with two wires of the same colors from the junction box with the wirecaps. Connect the grounding wire of the fixture with the one from the junction box with the wirecap (figure 3).
5. Put the fixture plate across the screw of the lock in figure 2, then rotate fixture plate clockwise and lock it tightly with the screw lock (figure 4).
6. Securely mount the fixture plate to the junction box firmly (figure 5).
7. Turn the 3 diffuser latches to the right until they are closed (figure 6).
8. Restore power to the electrical box. Turn the light switch on to activate the fixture.
9. Supply at 120 Vac.

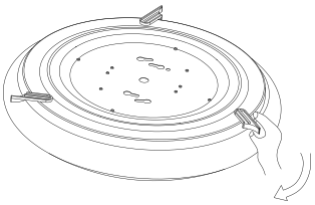


Fig. 1

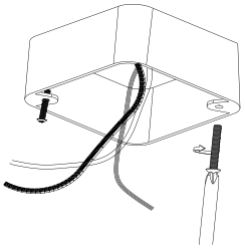


Fig. 2

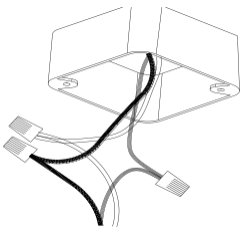


Fig. 3

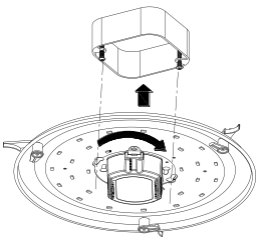


Fig. 4

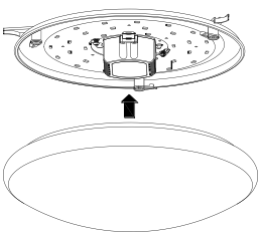


Fig. 5

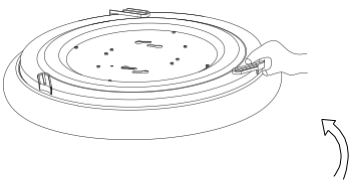


Fig. 6