



LED BI-DIRECTIONAL LINEAR HIGH BAY LIGHT - OT-DE14-DM-35E

PRODUCT DESCRIPTION

The 1' x 4' suspended Up/down LED Luminaire is a commercial pendant lighting fixture utilizing an advanced LED optical system to achieve superior performance. The unique design is nearly transparent luminaire when off and excellent uniformity and efficiency when on, reaching 55% downlighting and 45% uplighting distribution, making the illusion of the light floating in mid-air, included UL Recognized constant current driver which support 0-10V dimming and step dimming, suitable for indoor lighting.

PERFORMANCE SUMMARY

Efficacy: 93.13LPW
Delivered Light Output: 4929.21Lumens
Input Power: 54Watts
CRI: Ra>80
DLC CCT Options: 3500K/4000K/5000K
Input Voltage: 120-277VAC
Input current: 0.46 -0.19A
THD:<20%
Power Factor: >0.9
Diver output: DC36-42V 580mA
Standard Warranty: 5 Years
Standard Lifetime: Designed to L70 minimum 50,000 hours
Mounting: Suspended
Support to connect 8pcs panels together in 120V AC support to connect 16pcs panels together in 277V AC
0-10v dimming and step dimming available
Dimensions: L 47.24" x W 11.81" x H 1.06"
Fixture measurement and weight are round up, pls contact your OKT representative for exact data.

REGULATORY & VOLUNTARY QUALIFICATIONS

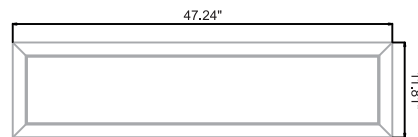
ETL	Yes
DLC	Yes
LM79 Report	Yes
Damp rated	Yes

ORDER INFORMATION

EXAMPLE:DE14-DM-35E

Product category	Size	Dimming	Fixture wattage	CCT(XX)	CRI(E)
DE	14=1'X4'	D=0-10v Dimming	M=54W	30=3000k 35=3500k 40=4000k 50=5000k	E=80 CRI

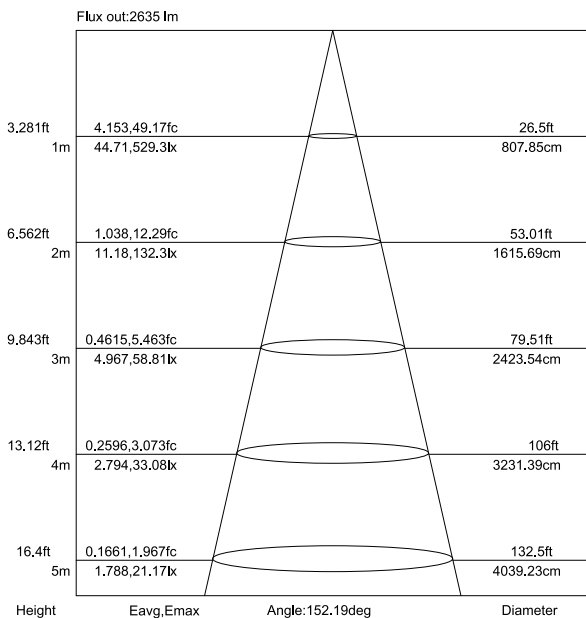
Up/Down 1'X4' LED Luminaires





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AVERAGE ILLUMINANCE CURVE

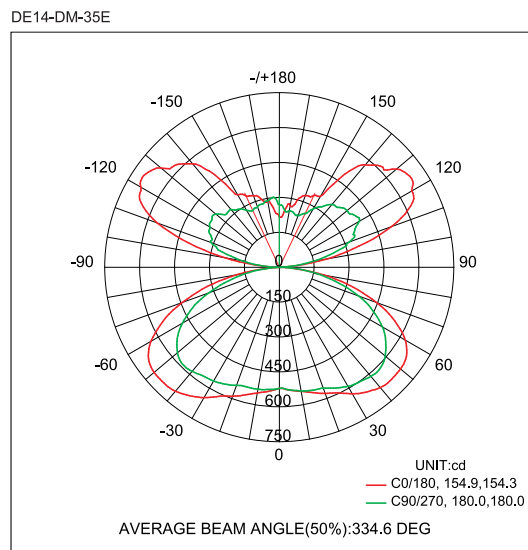


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PHOTOMETRY

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180	C225	C270	C315
10	541.5	541.8	539.8	539.8	548.7	539.3	532.3	537.7
20	576.8	571.1	552.7	552.7	589.4	565.9	540.0	563.1
30	627.8	612.7	590.9	590.9	646.9	602.6	564.6	592.5
40	674.6	656.4	612.4	612.4	695.6	638.9	584.2	611.4
50	679.5	666.2	593.9	593.9	702.4	643.9	571.6	590.5
60	624.4	608.9	510.9	510.9	637.2	586.1	481.7	513.0
70	445.4	448.3	363.8	363.8	444.8	416.5	322.8	354.6
80	197.3	202.7	168.7	168.7	181.1	166.2	133.8	138.2
90	0.7812	1.241	1.869	1.869	0.5981	1.205	1.379	1.404
DEG	LUMINOUS INTENSITY:cd							

ZONAL LUMEN SUMMARY

T	φ zone	φ total	lum. lamp
0-10	50.93	50.93	1.02,1.02
10-20	156.9	207.9	4.16,4.16
20-30	271.8	479.6	9.59,9.59
30-40	391.6	871.2	17.4,17.4
40-50	496.1	1367	27.3,27.3
50-60	543.2	1911	38.2,38.2
60-70	487.0	2398	47.9,47.9
70-80	304.5	2702	54.54
80-90	68.73	2771	55.4,55.4
	UNIT: lm		

COEFFICIENTS OF UTILIZATION

ppc	80%				70%				50%				30%				10%				0				
	50%		30%		50%		30%		50%		30%		50%		30%		50%		30%		0				
pw	20%				20%				20%				20%				20%				0				
	50%		30%		50%		30%		50%		30%		50%		30%		50%		30%		0				
pcfc	20%				20%				20%				20%				20%				0				
RCR	RCR:Room Cavity Ratio								(CU)																
0.0	108	108	108	101	101	101	86	86	86	73	73	73	61	61	55	55									
1.0	93	89	85	86	83	79	74	71	69	63	61	59	52	49	44	44									
2.0	80	73	67	74	68	63	63	59	55	54	50	47	44	40	35	35									
3.0	69	61	54	64	57	51	55	49	45	46	42	38	38	32	28	28									
4.0	60	52	45	56	48	42	48	42	37	40	36	32	33	27	23	23									
5.0	53	44	38	49	41	36	42	36	31	36	31	27	29	23	19	19									
6.0	47	38	32	44	36	30	38	31	27	32	27	23	26	19	16	16									
7.0	42	34	28	39	32	26	34	27	23	29	24	20	24	17	14	14									
8.0	38	30	24	36	28	23	31	24	20	26	21	17	22	15	12	12									
9.0	35	27	21	32	25	20	28	22	18	24	19	15	20	13	11	11									
10.0	32	24	19	29	22	18	25	20	16	22	17	14	18	12	10	10									

