

4000
LUMENS

47
WATT

CALCULATED
L70
LIFETIME
150,000 HRS

CALCULATED
L85
LIFETIME
65,000 HRS

APPLICATION: The OB1DI Series Pendant Mount Direct-Indirect Luminaire is the perfect luminaire lighting solution for interior office, commercial, retail, medical centers, school classrooms and numerous other installations.

PRODUCT FEATURES:

- Meets current lighting demands for computer screens meeting low brightness/glare control needs
- Designed to be suspended
- Designed for 4', 8' (Tandem) or continuous row configurations
- Heavy-duty 20-gauge steel utilized throughout for durability and code compliance
- Painted high-gloss baked white enamel
- Pretreated with five-stage iron phosphate process to ensure superior paint adhesion

- Shallow design is ideal for commercial and industrial spaces requiring general illumination
- Suitable for dry and damp environments
- Light weight design enables easier installation
- Emergency battery back-up comes pre-installed on the fixture and emergency push button is installed on the fixture for easy access and aesthetics.
- Suspension system is required
- Life tested to ensure light output of L70 up to 150,000 hrs and L85 up to 65,000 hrs
- Tested to LM-79 and LM-80 standards

OPTICS - Diffuser is composed of a two-part overlay system that includes a thin frosted acrylic sheet and a steel perforated lamp shield. The system works together to gather the light scattered by the LED chips and delivers uniform voluminous light into any environment.

OPTIONAL FEATURES - Adjustable cable suspension system provides fast installation into a variety of interior heights, including sloped ceilings.

PERFORMANCE - The light engines found in the OB1DI are rated at 85+ CRI and are available in multiple CCTs: 3000K, 3500K, 4000K and 5000K. Rated and tested to LM-79 and LM-80 standards. The LEDs are also binned to a 3-step MacAdam ellipses to achieve consistent color from fixture to fixture.

DIMMING - The ASI5-LED comes standard with **DIM10**, 0-10V dimming on either 120 or 277V. Dimmable down to 1% of initial lumens. Also available in Lutron dimming options. Consult factory for dimmer compatibility. **LUTH** - Lutron Hilume Dimming down to 1% compatible with 3 wire and EcoSystem Controls available on all fixtures up to 50 Watts. **LUT2W** - Lutron 2 Wire Dimming down to 1% compatible with 2 wire and Forward Phase Control Systems available on all fixtures up to 50 Watts. **LUTFTB** - Lutron Hilume Fade to Black Dimming down to 1% compatible with EcoSystem Controls available on all fixtures up to 75 Watts. **DIMST** - Step Dimming allows fixtures to be turned on at 100% or 50% is available for fixtures up to 50 Watts. **ELDO10.1** - EldoLED SoloDrive 0-10V. Dimming down to .1%. available on all fixtures up to 100 Watts. **ELDODALI** - EldoLED PowerDrive 0-10V. Dimming down to .1%. available on all fixtures up to 100 Watts. **ELDODMX** - EldoLED PowerDrive Dimming down to .1%. available on all fixtures up to 100 Watts. Please see EldoLED website for wiring diagrams and a list of compatible DMX and Dali control systems.

ELECTRICAL - Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

QUALITY CONTROL - Every fixture is turned on and rigorously tested by our QC Department before shipping.

MOUNTING - Pre-drilled mounting holes come standard on every fixture for cable suspension system and power cord every 48" and 96".

WARRANTY - Limited 5 Year Warranty

OPTIONS - Fixtures can be shipped pre-installed with daylight harvesting controls, occupancy sensors, and/or power pack. Available manufacturer options include Leviton, Wattstopper, Hubble Automation, and others.



Ordering Information: Example: 4-OB1DI-LED-4000L-DIM10-MVOLT-30K-85-7030-CRM

FIXTURE SIZE 4 - 4'	SERIES OB1DI-LED-Oracle Pendant Mount Direct/Indirect	DIMMING DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron Hilume LUT2W - Lutron 2Wire LUTFTB - Lutron Fade to Black ELDO10.1 - EldoLED 0-10V ELDODALI - EldoLED DALI ELDODMX - EldoLED DMX	CCT 30K - (3000K) 35K - (3500K) 40K - (4000K) 50K - (5000K)	CRI 85	VOLTAGE MVOLT 347* <small>* Consult factory for details</small>	% UP-DOWN 70U30D - (70% up 30% down) 60U40D - (60% up 40% down) 50U50D - (50% up 50% down)	EMERGENCY 0-EMG-LED	SUSPENSION 4-OCGSS - 4' Fixture
LUMENS 4' FIXTURE 4000L - (4000 lumens)		MOUNTING CRM - Continuous row mounting (When ordering for CRM, please indicate number of runs for complete order) SUM - Single unit mounting		OTHER OPTIONS C4 - 6' 4-wire Flex Cable (2 Circuit) OCMS - Motion Sensor INMS - Internal Motion Sensor FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Sensor USA - Made in America Compliance ASI-DJ-CLIP - Drywall toggle				

ACCESSORIES REQUIRED PER FIXTURE

4-OCGSS (kit for 4' Fixture)
Suspension w/ power feed



Suspension Air Craft Cable System with Power Feed:

Suspension with 18-gauge white SJT Power Cord For T-Bar and Slot-T applications available with 3, 4, 5 or 6 through wires. Kit includes 5" diameter canopy cover finished in matte white and 1/16" stainless steel aircraft cable which can be adjusted from 12" to 48". **Part # 4-OCGSS - should be ordered with every 4'-SUM fixture or CRMPF fixture**

Universal mounting
clips is included for
9/16" or 1" T-bar



DIFFUSER FEATURE

- Low brightness staggered perf steel basket and white overlay insure glare-free downlight.
- True Direct, Indirect Illumination
- Reflected uplight provides uniform overall illumination

PHOTOMETRY DATA

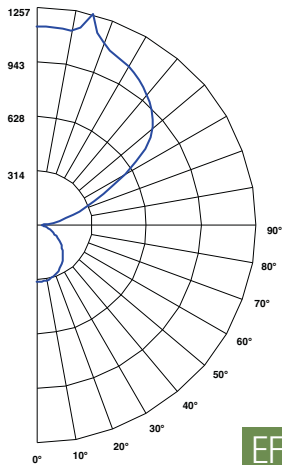
4-OB1DI-LED-4000L-8020

WATTAGE: 46.8

LUMENS: 4532

TOTAL LUMINAIRE EFFICACY: 97

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	254.33	N.A.	5.60
0-40°	412.46	N.A.	9.10
0-60°	702.26	N.A.	15.50
0-90°	857.13	N.A.	18.90
0-180°	4531.85	N.A.	100.00

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	713	462	440
55°	549	338	331
65°	320	213	227
75°	113	110	138
85°	13	54	90

Candela Tabulation

	0	45	90
0	330.719	330.719	330.719
5	329.420	329.430	328.890
15	315.350	316.480	316.780
25	287.860	290.800	292.440
35	247.210	253.100	256.930
45	194.660	204.470	211.600
55	131.930	147.750	159.290
65	64.220	88.960	105.960
75	17.490	42.370	60.740
85	1.380	18.400	35.950
90	0.880	19.190	31.560

Spacing Criteria

0-180	: XX
90-270	: XX
Diagonal	: XX

EFFICACY: 97 LM/W

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC RW	80%				70%				50%				30%				10%				0%			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19						
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23	16						
2	83	76	70	65	73	67	62	58	51	47	45	35	34	32	21	20	20	13						
3	75	66	60	54	66	59	53	48	45	41	38	31	29	27	19	18	17	11						
4	69	59	51	46	60	52	46	41	39	35	32	28	25	23	17	16	14	10						
5	63	52	44	39	55	46	40	35	35	31	27	25	22	20	15	14	13	9						
6	58	47	39	33	51	41	35	30	32	27	24	22	19	17	14	12	11	8						
7	53	42	34	29	47	37	31	26	28	24	21	20	17	15	13	11	10	7						
8	49	38	30	25	43	34	27	23	26	21	18	18	16	13	12	10	9	6						
9	46	34	27	22	40	31	24	20	24	19	16	17	14	12	11	9	8	5						
10	43	31	24	20	38	28	22	18	22	17	14	16	13	11	10	8	7	5						

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance