

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- The Indy 2x4 Architectural Basket Series delivers up to 5500 lumens and efficacies as high as 123 lumens per watt
- Direct/Indirect distribution of soft light creates superior brightness control and balanced light
- Available in wide range of color temperatures with 0-10V dimming
- No harmful ultraviolet or infrared wavelengths
- Contains no lead or mercury

PRODUCT SPECIFICATIONS
Basket Style Optics

Shielding: Specially formulated high transmission optic features a textured opal surface on one side specifically designed for lighting lenses • Unique combination of high light diffusion and high light transmission through a combination of optimized surface texture and advanced diffuser technology enhance fixture aesthetics while maximizing performance • Easily removable for access to LED boards and driver

Reflector

High reflectance white paint provides soft, uniformed indirect light distribution

Electrical

LED Light Engine: High-performance LEDs deliver consistent high-quality white light and uniform illumination without pixilation • Consistent fixture-to-fixture color temperature within 3 MacAdam ellipses • Light engine/reflector system produces 3900 to 5500 lumens while using only 36 to 53 watts of energy • 3000K, 3500K, 4100K and 5000K color temperatures • CRI>80 • Easily replaceable array boards allow for easy maintenance or updating technology

LED Driver: Accommodates 120- 277V input volts AC at 50/60Hz • Power factor >0.9 • Dimming standard to 10% with 0-10V DC control protocol • Easy access to driver for maintenance and new technology • For list of compatible dimmers see [LED-DIM](#)

Life: Rated for 50,000 hours at 70% lumen maintenance, 8-12 years commercial use expectancy

Housing

Cold rolled steel or electro galvanized substrate • Highly reflective white finish on phosphate-free, multi-staged pretreated metal • Built-in earth quake clips

Mounting

Lightweight and easy to install in any standard T-Bar or screw slot grids • Drywall frame available for plaster/drywall ceilings, see accessories. • Ideal for new construction and remodel applications

Labels and Listings

- Tested and certified to UL and CSA standards using ETL laboratories
- ETL Listed for damp locations
- DesignLights Consortium® qualified
- Union made • Assembled in the U.S.A.



Warranty: 5 years when used in accordance with manufacturing guidelines. Product specifications subject to change without notice.

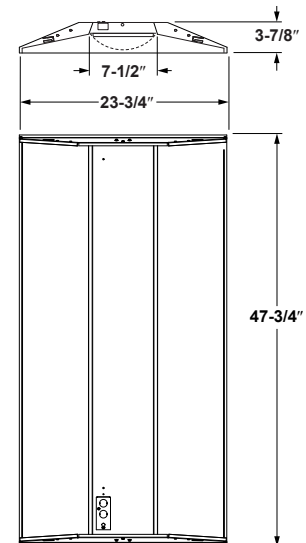
ORDERING INFORMATION: Accessories ordered separately

Example: **S2X4BL-5550U-WH3**

Cat. #	Lumens	Color Temp.	Voltage	Finish	Generation	Options
S2X4BL	-			WH	3	
S2X4BL	26	30	U	WH	3	CP Chicago Plenum
2' x 4'	2600 Lumens	3000K	120-277V	White	Gen3	BR Emergency Battery Pack w/ Remote Test Switch
Solid State,	39	35	3			LDI Lumen Depreciation Indicator (Cannot be used w/ BR Option)
Low Profile LED	3900 Lumens	3500K	347V			G Gasket (Contamination Deterrent gasket)
	55	40				AM Anti-Microbial Paint (Provides mildew and odor resistance to product)
	5500 Lumens	4100K				AH Air Handling
		50				
		5000K				

2X4 LED LOW-PROFILE RECESSED LUMINAIRE WITH BASKET DIFFUSER S2X4BL SERIES

Type	Cat. No.
_____	_____
Project: _____	
Notes: _____	


DIMENSIONS

ENGINEERING DATA

Voltage	120V - 277V	
Light Engine Lumens	3900	5500
CCT	3K/35K/4K/5K	3K/35K/4K/5K
Input Wattage	36W	53W
Input Frequency	50/60Hz	50/60Hz
Power Factor	0.9	0.9

Consult factory for 347V

Accessories

2X4DWA	2' X 4' Drywall Frame Adapter
2X4EC	Additional Earth Quake Clips, Set of 4
LFC	Fixture Clips for Armstrong 9/16" T

Related Products:

- S1X4BL** [K14.1.5](#)
- S2X2BL** [K14.1.6](#)

PHOTOMETRIC REPORT

Catalog Number: **S2X4BL-3935U-WH3**

Test Number: PT009140801P

Total Lumen Output: 4008 Lumens

Luminaire Efficacy: 115 lm/w

Luminaire Spacing Criteria: END = 1.22

ACROSS = 1.30

Luminaire: 2' X 4' Troffer with Opal Basket Diffuser

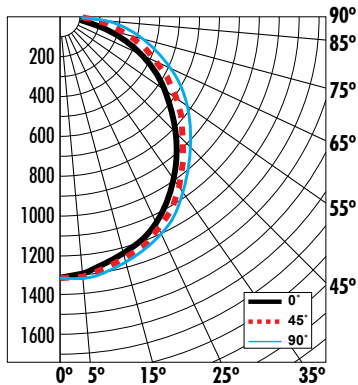
CIE-Type: Direct

CCT MULTIPLIER:

3K X 0.977

4K X 1.021

5K X 1.075



Luminance Data (Candela/M)

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	1668	1777	1885
55°	1591	1749	1930
65°	1492	1786	2087
75°	1354	1921	2348
85°	1152	2453	2854

Zonal Lumen Summary

Zone	Lumens	%fixture
0-30°	1021	25.5
0-40°	1672	41.7
0-60°	2981	74.4
0-90°	4008	100.0
90-180°	0	0.0
0-180°	4008	100.0

Candlepower Distribution (Candelas)

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	1314	1314	1314	
5°	1298	1306	1317	124
15°	1245	1262	1278	356
25°	1143	1171	1200	540
35°	999	1042	1082	651
45°	826	880	933	678
55°	639	702	775	630
65°	441	528	617	523
75°	245	348	425	361
85°	70	150	175	143

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	164	109	72
6' x 6'	114	76	50
7' x 7'	83	56	37
8' x 8'	64	43	28
9' x 9'	50	34	22
10' x 10'	41	27	18
11' x 11'	34	23	15
12' x 12'	28	19	13

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80			70			50			30			10			0
	PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	

PHOTOMETRIC REPORT

Catalog Number: **S2X4BL-5535U-WH3**

Test Number: PT009140801P

Total Lumen Output: 5652 Lumens

Luminaire Efficacy: 108 lm/w

Luminaire Spacing Criteria: END = 1.22

ACROSS = 1.30

Luminaire: 2' X 4' Troffer with Opal Basket Diffuser

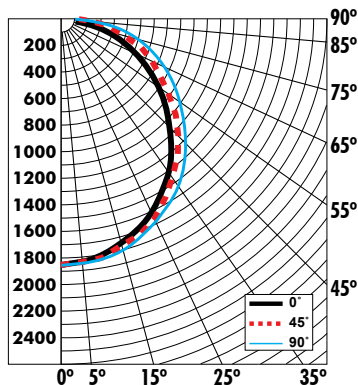
CIE-Type: Direct

CCT MULTIPLIER:

3K X 0.977

4K X 1.021

5K X 1.075



Luminance Data (Candela/M)

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	2353	2506	2659
55°	2244	2467	2722
65°	2104	2518	2942
75°	1909	2710	3311
85°	1624	3459	4024

Zonal Lumen Summary

Zone	Lumens	%fixture
0-30°	1440	25.5
0-40°	2358	41.7
0-60°	4204	74.4
0-90°	5652	100.0
90-180°	0	0.0
0-180°	5652	100.0

Candlepower Distribution (Candelas)

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	1853	1853	1853	
5°	1830	1842	1857	175
15°	1756	1779	1802	503
25°	1612	1652	1692	762
35°	1408	1469	1525	919
45°	1164	1240	1316	957
55°	901	990	1093	889
65°	622	745	870	738
75°	346	491	600	509
85°	99	211	245	201

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	231	154	102
6' x 6'	160	107	71
7' x 7'	118	78	52
8' x 8'	90	60	40
9' x 9'	71	47	31
10' x 10'	58	38	25
11' x 11'	48	32	21
12' x 12'	40	27	18

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80			70			50			30			10			0
	PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	

PHOTOMETRIC REPORT

Catalog Number: **S2X4BL-3950U-WH3**

Test Number: PT009140801P

Total Lumen Output: 4305 Lumens

Luminaire Efficacy: 123 lm/w

Luminaire Spacing Criteria: END = 1.22

ACROSS = 1.30

Luminaire: 2' X 4' Troffer with Opal Basket Diffuser

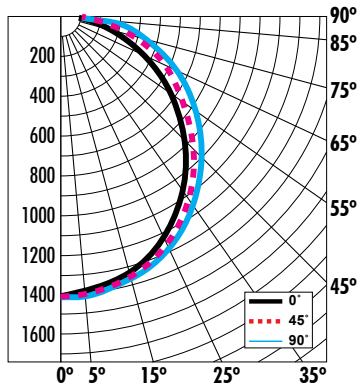
CIE-Type: Direct

CCT MULTIPLIER:

3K X 0.909

35K X 0.930

4K X 0.950



Luminance Data (Candela/M)

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	1792	1909	2025
55°	1710	1879	2074
65°	1602	1918	2241
75°	1454	2064	2523
85°	1237	2635	3066

Zonal Lumen Summary

Zone	Lumens	%fixture
0-30°	1097	25.5
0-40°	1797	41.7
0-60°	3203	74.4
0-90°	4305	100.0
90-180°	0	0.0
0-180°	4305	100.0

Candlepower Distribution (Candelas)

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	1411	1411	1411	
5°	1394	1403	1414	134
15°	1338	1355	1373	383
25°	1228	1258	1289	580
35°	1073	1119	1162	700
45°	887	945	1002	729
55°	686	754	832	677
65°	474	567	663	562
75°	263	374	457	388
85°	75	161	187	153

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	176	117	77
6' x 6'	122	81	54
7' x 7'	90	60	40
8' x 8'	69	46	30
9' x 9'	54	36	24
10' x 10'	44	29	19
11' x 11'	36	24	16
12' x 12'	30	20	13

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80			70			50			30			10			0
	PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	