



# 2x4 LED LOW-PROFILE RECESSED LUMINAIRE WITH BASKET DIFFUSER S2X4BL SERIES



Type: \_\_\_\_\_

Catalog No.: \_\_\_\_\_

Project: \_\_\_\_\_

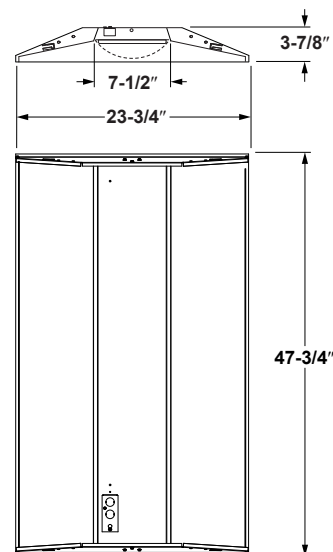
Notes: \_\_\_\_\_

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- The Indy 2x4 Architectural Basket Series delivers up to 6500 lumens and efficacies as high as 123 lumens per watt
- Direct/Indirect distribution of soft light creates superior brightness control and balanced light
- 3 Shielding options; textured opal, round pattern or square pattern high performance acrylic
- Available in wide range of color temperatures with 0-10V dimming
- No harmful ultraviolet or infrared wavelengths
- Contains no lead or mercury



## DIMENSIONS



## PRODUCT SPECIFICATIONS

### Basket Style Optics

**Shielding:** Specially formulated high transmission optic features a textured opal, patterned round or patterned square 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 2100 to 6500 lumens at 80 CRI, and 1700 to 5200 lumens at 90 CRI while using only 28 to 63 watts of energy • 3000K, 3500K, 4000K and 5000K color temperatures • 80 and 90 CRI options available • Easily replaceable array boards allow for easy maintenance or updating technology.

**LED Driver:** Accommodates 120- 277V and 347V 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 • Dimmable to 33% and 66% with optional step dimming • Easy access to driver from below ceiling • 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

Enclosed LED chamber with removable lens • Cold rolled steel or electro galvanized substrate • Highly reflective white finish on phosphate-free, multi-staged pretreated metal • Built-in earth quake clips • Air handling has slots along the sides.

### 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 • Recommended to use LFC clips on all 9/16" grids.

### Packaging

For large jobs, order with Bulk Pack option to reduce labor and packaging waste • 2x4 units are packed 10 per pallet.

### Listings

- Tested and certified to UL and CSA standards using ETL laboratories.
- CSA certified. Damp listed.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.
- Union made • Assembled in the U.S.A.
- Type IC rated.

**Warranty** 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

Specifications subject to change without notice.

## ENGINEERING DATA

Voltage	120V - 277V			
Light Engine Lumens	2600/2100/1700	3900/3200/3100/2600	5500/4600/4400/3700	6500/5200/4200
CCT	3K/35K/4K/5K	3K/35K/4K/5K	3K/35K/4K/5K	3K/35K/4K/5K
Input Wattage	28W	36W	53W	63W
Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor	0.9	0.9	0.9	

Consult factory for 347V



# 2x4 LED LOW-PROFILE RECESSED LUMINAIRE WITH BASKET DIFFUSER S2X4BL SERIES

## ORDERING INFORMATION: Accessories ordered separately

Example: **S2X4BL-5550U-WH3, S2X4BLPS-3730U-WH3-90**

Cat. #	Shielding	Lumens	Color Temp.	Voltage	Finish	Generation	Options	Accessories
<b>S2X4</b>					<b>WH</b>	<b>3</b>		
<b>S2X4</b> 2' x 4' Solid State, Low Profile LED	<b>BL</b> Textured Opal	<b>80 CRI ONLY</b> <b>26</b> 2600 Lumens <b>39</b> 3900 Lumens <b>55</b> 5500 Lumens <b>65</b> 6500 Lumens <b>90 CRI ONLY</b> <b>*21</b> 2100 Lumens <b>*32</b> 3200 Lumens <b>*46</b> 4600 Lumens <b>*52</b> 5200 Lumens	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4100K <b>50</b> 5000K	<b>U</b> 120-277V <b>3</b> 347V	<b>WH</b> White	<b>3</b> Gen3	<b>CP</b> Chicago Plenum <b>BR</b> Emergency Battery Pack w/ Remote Test Switch, non-CEC compliant <b>LDI</b> Lumen Depreciation Indicator (Cannot be used w/ BR Option or 347V) <b>G</b> Gasket (Contamination Deterrent gasket) <b>AM</b> Anti-Microbial Paint (Provides mildew and odor resistance to product) <b>AH</b> Air Handling <b>BP</b> Bulk Pack <b>S</b> Step Dimming 33/66/100% (Not available for 347V) <b>90</b> 90 CRI	<b>DGA24</b> 2' X 4' Drywall Frame Adapter <b>2X4EC</b> Additional Earth Quake Clips, Set of 4 <b>LFC</b> Fixture Clips for Armstrong 9/16" T <b>2X4SMK</b> 2'X4' Surface Mount Troffer Kit
	<b>BLPR</b> Pattern-Round	<b>80 CRI ONLY</b> <b>21</b> 2100 Lumens <b>31</b> 3100 Lumens <b>44</b> 4400 Lumens						
	<b>BLPS</b> Pattern-Square	<b>80 CRI ONLY</b> <b>21</b> 2100 Lumens <b>31</b> 3100 Lumens <b>44</b> 4400 Lumens <b>52</b> 5200 Lumens <b>90 CRI ONLY</b> <b>*17</b> 1700 Lumens <b>*26</b> 2600 Lumens <b>*37</b> 3700 Lumens <b>*42</b> 4200 Lumens						

\*Must add -90 suffix to catalog number for 90 CRI option

## PHOTOMETRICS

### PHOTOMETRIC REPORT

Catalog Number: **S2X4BL-2635U-WH**

Test Number: PT009140801P

Total Lumen Output: 2673 Lumens

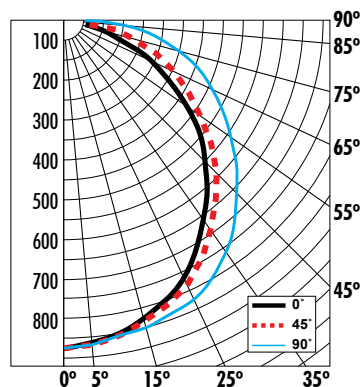
Luminaire Efficacy: 95 lm/w

Luminaire Spacing Criteria: END = 1.22

ACROSS = 1.30

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

CIE-Type: Direct



### Luminance Data (Candela/M)

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	1113	1185	1258
55°	1062	1167	1288
65°	995	1191	1392
75°	903	1282	1566
85°	768	1636	1903

### Zonal Lumen Summary

Zone	Lumens	% of fixture
0-30°	681	25.5
0-40°	1116	41.7
0-60°	1989	74.4
0-90°	2673	100.0
90-180°	0	0.0
0-180°	2673	100.0

### Candlepower Distribution (Candelas)

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	876	876	876	
5°	866	871	878	83
15°	831	842	852	238
25°	762	781	800	360
35°	666	695	721	435
45°	551	587	622	452
55°	426	468	517	420
65°	294	352	412	349
75°	164	232	284	241
85°	47	100	116	95

### AVERAGE INITIAL FOOTCANDLES

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

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	109	73	48
6' x 6'	76	50	33
7' x 7'	56	37	25
8' x 8'	43	28	19
9' x 9'	34	22	15
10' x 10'	27	18	12
11' x 11'	23	15	10
12' x 12'	19	13	8

### 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	0					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

SHIELDING MULTIPLIER:  
S2X4BLPR X 0.80  
S2X4BLPS X 0.80

CCT MULTIPLIER:  
30K X 0.977  
40K X 1.021  
50K X 1.075



# 2x4 LED LOW-PROFILE RECESSED LUMINAIRE WITH BASKET DIFFUSER

## S2X4BL SERIES

### PHOTOMETRICS

**PHOTOMETRIC REPORT**

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

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

**Luminaire Data (Candela/M)**

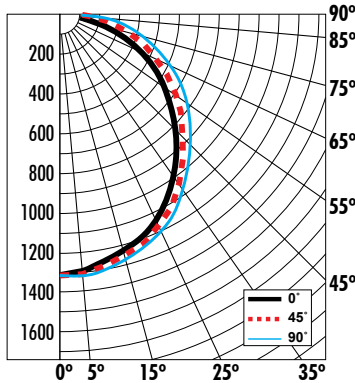
Angle in Degrees	Avg. 0o	Avg. 45o	Avg. 90o
45°	1668	1777	1885
55°	1591	1749	1930
65°	1492	1786	2087
75°	1354	1921	2348
85°	1152	2453	2854

**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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

**PHOTOMETRIC REPORT**

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

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

**Luminaire Data (Candela/M)**

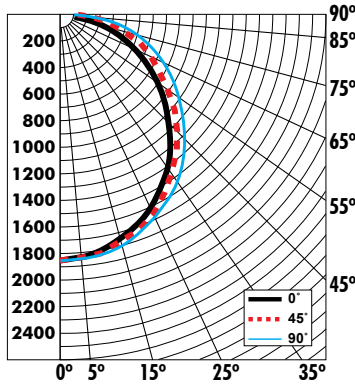
Angle in Degrees	Avg. 0o	Avg. 45o	Avg. 90o
45°	2353	2506	2659
55°	2244	2467	2722
65°	2104	2518	2942
75°	1909	2710	3311
85°	1624	3459	4024

**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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

**SHIELDING MULTIPLIER:**  
S2X4BLPR X 0.80  
S2X4BLPS X 0.80  
**CCT MULTIPLIER:**  
30K X 0.977  
40K X 1.021  
50K X 1.075



# 2x4 LED LOW-PROFILE RECESSED LUMINAIRE WITH BASKET DIFFUSER

## S2X4BL SERIES

### PHOTOMETRICS

PHOTOMETRIC REPORT

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

**Test Number:** PT009140801P

**Total Lumen Output:** 4305 Lumens

**Luminaire Efficacy:** 123 lm/w

**Luminaire Spacing Criteria:** END = 1.22

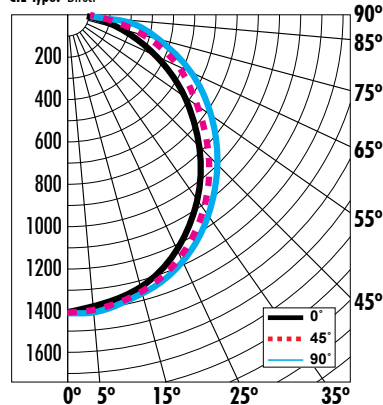
ACROSS = 1.30

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

**CIE-Type:** Direct

**CCT MULTIPLIER:**

30K	X	0.909
35K	X	0.930
40K	X	0.950



**Luminaire 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	0					
0	119	119	119	119	119	116	116	116	116	111	111	111	102	102	102	100		
1	108	102	98	93	105	100	96	92	96	92	89	86	88	86	84	81		
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

PHOTOMETRIC REPORT

**Catalog Number:** S2X4BL-2135U-WH-90

**Test Number:** PT08150701P

**Total Lumen Output:** 2164 Lumens

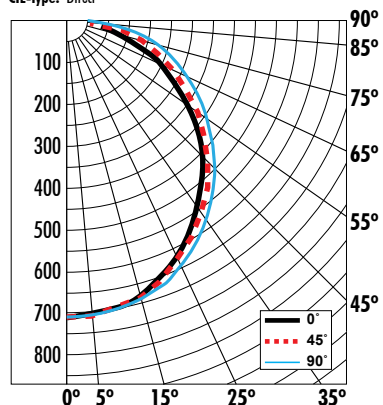
**Luminaire Efficacy:** 77 lm/w

**Luminaire Spacing Criteria:** END = 1.24

ACROSS = 1.30

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

**CIE-Type:** Direct



**Luminaire Data (Candela/M)**

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	915	962	1015
55°	877	945	1028
65°	826	944	1084
75°	747	1015	1274
85°	619	1357	1609

**Zonal Lumen Summary**

Zone	Lumens	%fixture
0-30°	553	25.5
0-40°	906	41.9
0-60°	1614	74.6
0-90°	2164	100.0
90-180°	0	0.0
0-180°	2164	100.0

**Candlepower Distribution (Candelas)**

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	712	712	712	
5°	704	708	714	67
15°	675	684	691	193
25°	621	634	648	292
35°	544	564	583	353
45°	453	476	503	368
55°	352	379	413	341
65°	244	279	320	278
75°	135	184	231	193
85°	38	83	98	78

**AVERAGE INITIAL FOOTCANDLES**

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

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	88	59	39
6' x 6'	61	41	27
7' x 7'	45	30	20
8' x 8'	34	23	15
9' x 9'	27	18	12
10' x 10'	22	15	10
11' x 11'	18	12	8
12' x 12'	15	10	7

**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	0						
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	86	88	86	84	81			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67	
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56	
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47	
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41	
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36	
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31	
8	59	45	37	31	57	44	36	30	43	36	30	42	35	30	41	34	30	28	
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25	
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

**SHIELDING MULTIPLIER:**  
 S2X4BLPR X 0.80  
 S2X4BLPS X 0.80

**CCT MULTIPLIER:**  
 30K X 0.977  
 40K X 1.021  
 50K X 1.075



# 2x4 LED LOW-PROFILE RECESSED LUMINAIRE WITH BASKET DIFFUSER S2X4BL SERIES

## PHOTOMETRICS

### PHOTOMETRIC REPORT

**Catalog Number: S2X4BL-3235U-WH-90**

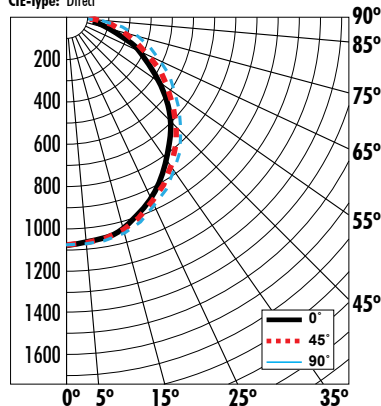
Test Number: PT08150701P

Total Lumen Output: 3299 Lumens

Luminaire Efficacy: 91 lm/w

Luminaire Spacing Criteria: END = 1.24  
ACROSS = 1.30

Luminaire: 2' X 4' Troffer with Opal Basket Diffuser  
CIE-Type: Direct



### Luminance Data (Candela/M)

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	1395	1467	1548
55°	1337	1441	1567
65°	1259	1439	1652
75°	1139	1548	1943
85°	943	2068	2453

### Zonal Lumen Summary

Zone	Lumens	%fixture
0-30°	843	25.5
0-40°	1381	41.9
0-60°	2461	74.6
0-90°	3299	100.0
90-180°	0	0.0
0-180°	3299	100.0

### Candlepower Distribution (Candelas)

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	1085	1085	1085	
5°	1073	1079	1088	103
15°	1030	1042	1054	294
25°	946	966	988	446
35°	829	859	889	538
45°	690	726	766	561
55°	537	579	629	519
65°	372	426	489	424
75°	206	280	352	295
85°	58	126	150	120

### AVERAGE INITIAL FOOTCANDLES

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

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	143	107	78
6' x 6'	99	74	54
7' x 7'	73	55	40
8' x 8'	56	42	30
9' x 9'	44	33	24
10' x 10'	36	27	19
11' x 11'	29	22	16
12' x 12'	25	19	14

### 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	50	30	10			
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100		
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81	81		
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67	67		
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56	56		
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47	47		
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41	41		
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36	36		
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31	31		
8	59	45	37	31	57	44	36	30	43	36	30	42	35	30	41	34	30	28	28		
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25	25		
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	23		

### PHOTOMETRIC REPORT

**Catalog Number: S2X4BL-6535U-WH**

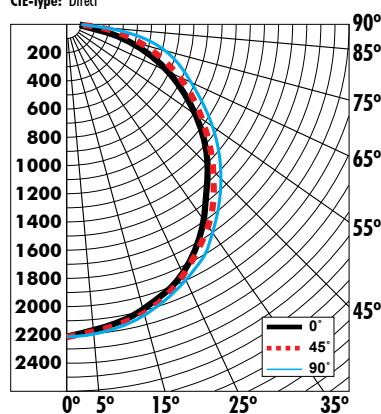
Test Number: PT06163002

Total Lumen Output: 6714 Lumens

Luminaire Efficacy: 105.7 lm/w

Luminaire Spacing Criteria: END = 1.20  
ACROSS = 1.30

Luminaire: 2' X 4' Troffer with Opal Basket Diffuser  
CIE-Type: Direct



### Luminance Data (Candela/M)

Angle in Degrees	Avg. 0°	Avg. 45°	Avg. 90°
45°	2868	3004	3150
55°	2767	2960	3189
65°	2629	2980	3394
75°	2398	3238	4056
85°	1998	3938	4295

### Zonal Lumen Summary

Zone	Lumens	%fixture
0-30°	1715	25.5
0-40°	2807	41.8
0-60°	5003	74.5
0-90°	6714	100.0
90-180°	0	0.0
0-180°	6714	100.0

### Candlepower Distribution (Candelas)

Angle	Candela			Lumens
	0.0	45.0	90.0	
0°	2210	2210	2210	
5°	2186	2198	2213	212
15°	2098	2123	2143	598
25°	1929	1966	2004	905
35°	1695	1746	1801	1091
45°	1415	1476	1548	1139
55°	1107	1180	1271	1057
65°	775	875	887	871
75°	433	584	730	611
85°	121	239	260	229

### AVERAGE INITIAL FOOTCANDLES

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

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	285	193	126
6' x 6'	198	134	88
7' x 7'	145	99	64
8' x 8'	111	76	49
9' x 9'	88	60	39
10' x 10'	71	48	32
11' x 11'	59	40	26
12' x 12'	49	34	22

### 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	50	30	10			
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100		
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81	81		
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67	67		
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56	56		
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	50	47	47		
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41	41		
6	68	55	45	39	67	54	45	39	52	44	38	50	43	38	49	42	38	35	35		
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31	31		
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28	28		
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25	25		
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23	23		

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

SHIELDING MULTIPLIER:  
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S2X4BLPS X 0.80

CCT MULTIPLIER:  
30K X 0.977  
40K X 1.021  
50K X 1.075