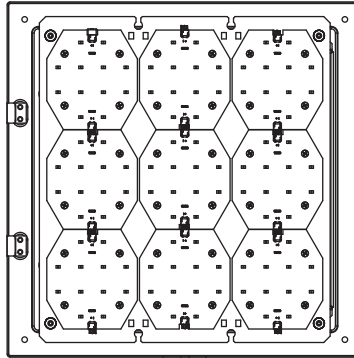


# S01L16

## Optimo LED 16" Square

Page 1 of 3



16"



### Ordering Information

Catalog No.	Applicable Diffuser Catalog No.	CCT	Voltage	Wattage	Source Life
S01L16	SR16AL	3500K	120V	45W	50,000 hours based on 70% lumen maintenance.
	CSR16AL				
	ST16AL				

### Features

- Backplate:** Stamped 20ga. (0.036") C.R.S.
- LED boards:** (9) Modular LED boards utilizing white LED technology.
- Backlight diffuser:** Acrylic strips (2mm thickness).
- Driver:** Integrated 120V slim LED driver.
- Mounting Options:** J-Box Mounting available, with backplate hole location alignment.

### Diffuser

See applicable diffuser specification sheet

### Backplate Finish

**Gloss White:** Powder coated

U.L. listed, ADA Compliant, 5 Year Warranty

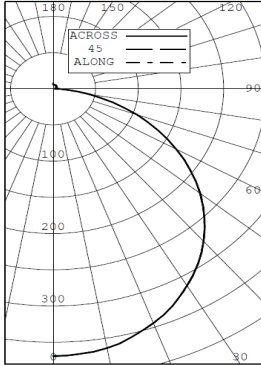
Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	

**PHILIPS**  
**LIGHTOLIER**

# S01L16

## Optimo LED 16" Square

### Catalog Number: CSR16AL



Report No.: F11193  
 Lamp: LED  
 Total Fixture Lumens: 1104  
 Color Temp: 3500K  
 Input Watts: 46  
 Luminaire Efficacy: 24.2 lm/w  
 CRI: 80  
 Spacing Criterion: 1.3

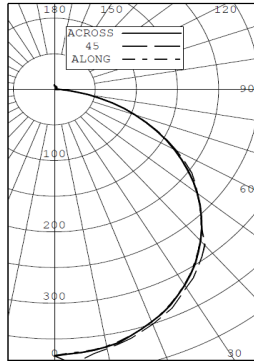
Angle	Mean CP	Lumens
0	369	
5	368	36
10	364	
15	355	100
20	345	
25	331	152
30	314	
35	296	185
40	274	
45	251	193
50	225	
55	197	176
60	167	
65	136	134
70	104	
75	73	77
80	43	
85	19	22
90	3	

Zone	Lumens	%Luminaires
0-30	288	26.08
0-40	472	42.80
0-60	841	76.20
0-90	1074	97.33
40-90	602	54.53
60-90	233	21.13
90-180	29	2.67
0-180	1104	100.00

RC	80%			70%			50%				
	RW	70	50	30	70	50	30	50	30	10	0
0	118	118	118	115	115	115	110	110	110	97	
1	109	104	100	106	102	99	98	95	91	83	
2	100	93	86	97	90	84	87	82	77	70	
3	92	82	74	89	80	73	77	71	65	60	
4	85	73	65	82	72	64	69	63	57	52	
5	78	65	57	75	64	56	62	55	49	45	
6	72	58	50	70	57	49	56	48	43	39	
7	66	52	44	64	51	43	50	42	37	34	
8	61	47	39	59	47	39	45	38	33	30	
9	56	43	35	55	42	35	41	34	29	26	
10	52	39	31	51	39	31	38	31	26	23	

Tested using absolute photometry as specified in LM79: IESNA approved method for the electrical and photometric measurements of solid-state lighting products.

### Catalog Number: SR16AL



Report No.: F11194  
 Lamp: LED  
 Total Fixture Lumens: 1105  
 Color Temp: 3500K  
 Input Watts: 45  
 Luminaire Efficacy: 24.5 lm/w  
 CRI: 80  
 Spacing Criterion: 1.3

Angle	Mean CP	Lumens
0	374	
5	373	36
10	367	
15	359	101
20	348	
25	335	154
30	318	
35	299	187
40	278	
45	253	195
50	227	
55	200	178
60	170	
65	138	136
70	105	
75	73	77
80	43	
85	17	21
90	4	

Zone	Lumens	%Luminaires
0-30	291	26.31
0-40	478	43.22
0-60	851	76.94
0-90	1085	98.14
40-90	607	54.92
60-90	234	21.20
90-180	21	1.86
0-180	1105	100.00

RC	80%			70%			50%				
	RW	70	50	30	70	50	30	50	30	10	0
0	118	118	118	115	115	115	110	110	110	97	
1	109	104	100	106	102	99	98	95	91	83	
2	100	93	86	97	90	84	87	82	77	70	
3	92	82	74	89	80	73	77	71	65	60	
4	85	73	65	82	72	64	69	63	57	52	
5	78	65	57	75	64	56	62	55	49	45	
6	72	58	50	70	57	49	56	48	43	39	
7	66	52	44	64	51	43	50	42	37	34	
8	61	47	39	59	47	39	45	38	33	30	
9	56	43	35	55	42	35	41	34	29	26	
10	52	39	31	51	39	31	38	31	26	23	

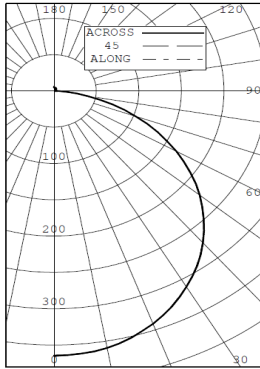
Tested using absolute photometry as specified in LM79: IESNA approved method for the electrical and photometric measurements of solid-state lighting products.

**Job Information** Type:

# S01L16

## Optimo LED 16" Square

Catalog Number: ST16AL



Report No.: F11195  
 Lamp: LED  
 Total Fixture Lumens: 1083  
 Color Temp: 3500K  
 Input Watts: 45  
 Luminaire Efficacy: 24.0 lm/w  
 CRI: 80  
 Spacing Criterion: 1.3

### Candlepower summary

Angle	Mean CP	Lumens
0	365	
5	363	35
10	360	
15	352	99
20	341	
25	328	151
30	312	
35	293	183
40	273	
45	249	192
50	224	
55	196	175
60	166	
65	135	133
70	103	
75	72	76
80	41	
85	17	20
90	2	

### Zonal lumens and percentages

Zone	Lumens	%Luminaires
0-30	285	26.31
0-40	468	43.23
0-60	835	77.07
0-90	1064	98.21
40-90	595	54.98
60-90	229	21.14
90-180	19	1.79
0-180	1083	100.00

### Coefficients of utilization - zonal cavity method

RC	80%			70%			50%			RW
	70	50	30	70	50	30	50	30	10	
0	118	118	118	115	115	115	110	110	110	97
1	109	104	100	106	102	99	98	95	91	83
2	100	93	86	97	90	84	87	82	77	70
3	92	82	74	89	80	73	77	71	65	60
4	85	73	65	82	72	64	69	63	57	52
5	78	65	57	75	64	56	62	55	49	45
6	72	58	50	70	57	49	56	48	43	39
7	66	52	44	64	51	43	50	42	37	34
8	61	47	39	59	47	39	45	38	33	30
9	56	43	35	55	42	35	41	34	29	26
10	52	39	31	51	39	31	38	31	26	23

Tested using absolute photometry as specified in LM79: IESNA approved method for the electrical and photometric measurements of solid-state lighting products.



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S01L16 September 7, 2011

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<b>Job Information</b>	<b>Type:</b>
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