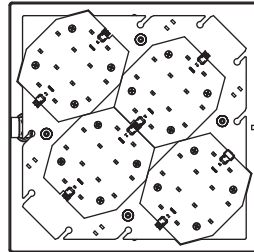


S01L12

Optimo LED 12" Square

Page 1 of 3



12"



Ordering Information

Catalog No.	Applicable Diffuser Catalog No.	CCT	Voltage	Wattage	Source Life
S01L12	SR12AL	3500K	120V	20W	50,000 hours based on 70% lumen maintenance.
	CSR12AL				
	ST12AL				

Features

- Backplate:** Stamped 20ga. (0.036") C.R.S.
- LED boards:** (4) 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:	

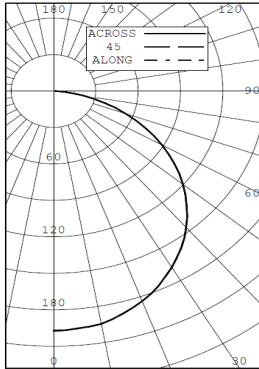
PHILIPS

LIGHTOLIER

S01L12

Optimo LED 12" Square

Catalog Number: ST12AL



Report No.: F11198
 Lamp: LED
 Total Fixture Lumens: 569
 Color Temp: 3500K
 Input Watts: 20
 Luminaire Efficacy: 28.7 lm/w
 CRI: 80
 Spacing Criterion: 1.3

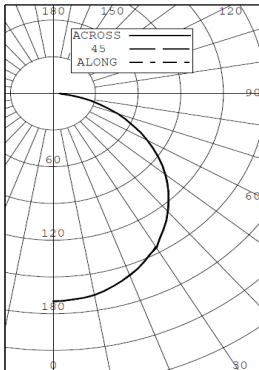
Candlepower summary		
Angle	Mean CP	Lumens
0	197	
5	196	19
10	194	
15	190	54
20	184	
25	177	81
30	167	
35	158	98
40	146	
45	133	103
50	120	
55	105	93
60	89	
65	72	71
70	55	
75	38	40
80	21	
85	8	10
90	1	

Zonal lumens and percentages		
Zone	Lumens	%Luminaires
0-30	154	27.01
0-40	252	44.30
0-60	448	78.75
0-90	569	100.00
40-90	317	55.70
60-90	121	21.25
90-180	0	0.00
0-180	569	100.00

Coefficients of utilization - zonal cavity method						
RC	80%			70%		
	70	50	30	70	50	30
RW	0	118	118	118	115	115
Room Cavity Ratio	0	118	118	115	115	115
	1	109	104	100	106	102
	2	100	93	86	97	90
	3	92	82	74	89	80
	4	85	73	65	82	72
	5	78	65	57	75	64
	6	72	58	50	70	57
	7	66	52	44	64	51
	8	61	47	39	59	47
	9	56	43	35	55	42
	10	52	39	31	51	39

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

Catalog Number: CSR12AL



Report No.: F11197
 Lamp: LED
 Total Fixture Lumens: 495
 Color Temp: 3500K
 Input Watts: 20
 Luminaire Efficacy: 25 lm/w
 CRI: 80
 Spacing Criterion: 1.3

Candlepower summary		
Angle	Mean CP	Lumens
0	170	
5	169	16
10	167	
15	163	46
20	158	
25	152	70
30	146	
35	136	85
40	126	
45	115	88
50	103	
55	91	81
60	77	
65	62	62
70	49	
75	34	36
80	21	
85	9	11
90	5	

Zonal lumens and percentages		
Zone	Lumens	%Luminaires
0-30	132	26.75
0-40	217	43.89
0-60	386	78.05
0-90	495	100.00
40-90	278	56.11
60-90	109	21.95
90-180	0	0.00
0-180	495	100.00

Coefficients of utilization - zonal cavity method						
RC	80%			70%		
	70	50	30	70	50	30
RW	0	118	118	115	115	115
Room Cavity Ratio	0	118	118	115	115	115
	1	109	104	100	106	102
	2	100	93	86	97	90
	3	92	82	74	89	80
	4	85	73	65	82	72
	5	78	65	57	75	64
	6	72	58	50	70	57
	7	66	52	44	64	51
	8	61	47	39	59	47
	9	56	43	35	55	42
	10	52	39	31	51	39

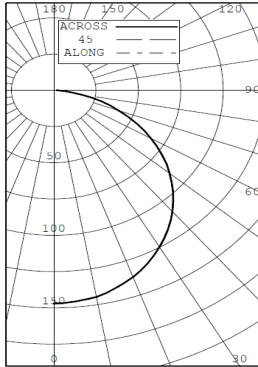
Tested using absolute photometry as specified in LM79: IESNA approved method for the electrical and photometric measurements of solid-state lighting products.

Job Information Type:

S01L12

Optimo LED 12" Square

Catalog Number: SR12AL



Report No.: F11196
 Lamp: LED
 Total Fixture Lumens: 426
 Color Temp: 3500K
 Input Watts: 20
 Luminaire Efficacy: 21.5 lm/w
 CRI: 80
 Spacing Criterion: 1.3

Candlepower summary

Angle	Mean CP	Lumens
0	147	
5	146	14
10	145	
15	141	40
20	137	
25	131	61
30	125	
35	117	73
40	109	
45	99	77
50	89	
55	78	70
60	66	
65	54	53
70	41	
75	29	30
80	17	
85	7	8
90	2	

Zonal lumens and percentages

Zone	Lumens	%Luminaires
0-30	115	26.87
0-40	188	44.07
0-60	334	78.40
0-90	426	100.00
40-90	238	55.93
60-90	92	21.60
90-180	0	0.00
0-180	426	100.00

Coefficients of utilization - zonal cavity method

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.



Philips Lightolier
 e: lol.webmaster@philips.com
 t: (508) 679-8131
 w: www.lightolier.com

S01L12 August 9, 2011

Specifications are subject to change without notice.
 © Koninklijke Philips Electronics N.V., 2011. All rights reserved.

Job Information	Type:
------------------------	--------------