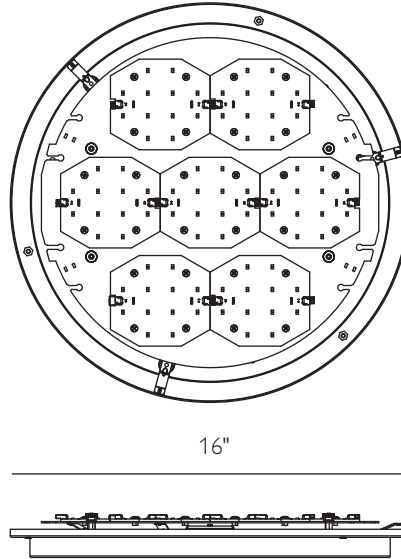


R01L16

Optimo LED 16" Round

Page 1 of 3



Ordering Information

Catalog No.	Applicable Diffuser Catalog No.	CCT	Voltage	Wattage	Source Life
R01L16	RC16AL	3500K	120V	33W	50,000 hours based on 70% lumen maintenance.
	RR16AL				
	RT16AL				

Features

- Backplate:** Stamped 20ga. (0.036") C.R.S.
- LED boards:** (7) 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

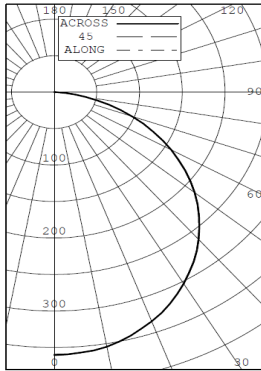
Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	

PHILIPS
LIGHTOLIER

R01L16

Optimo LED 16" Round

Catalog Number: RC16AL



Report No.: F11138
 Lamp: LED
 Total Fixture Lumens: 1022
 Color Temp: 3500K
 Input Watts: 33
 Luminaire Efficacy: 30.8 lm/w
 CRI: 80
 Spacing Criterion: 1.3

Candlepower summary

Angle	Mean CP	Lumens
0	360	
5	359	35
10	355	
15	346	97
20	334	
25	320	147
30	303	
35	284	177
40	263	
45	240	185
50	215	
55	187	167
60	158	
65	128	127
70	97	
75	67	71
80	38	
85	13	17
90	0	

Zonal lumens and percentages

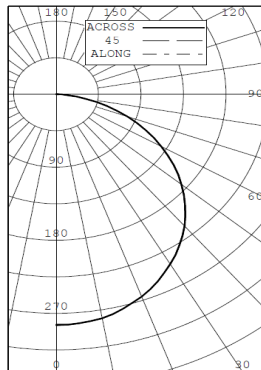
Zone	Lumens	%Luminaires
0-30	279	27.32
0-40	457	44.68
0-60	808	79.06
0-90	1022	100.00
40-90	565	55.32
60-90	214	20.94
90-180	0	0.00
0-180	1022	100.00

Coefficients of utilization - zonal cavity method

RC	80%			70%			50%			0	
	70	50	30	70	50	30	50	30	10		
RW	0	119	119	119	116	116	116	111	111	111	100
	1	109	105	101	107	103	99	98	95	93	85
	2	100	93	86	98	91	85	87	82	78	73
	3	92	82	74	89	80	73	77	71	66	62
	4	85	73	65	82	72	64	69	63	57	54
	5	78	65	57	75	64	56	62	55	49	46
	6	72	58	50	70	57	49	56	48	43	40
	7	66	52	44	64	51	43	50	42	37	35
	8	61	47	39	59	47	39	45	38	33	30
	9	56	43	35	55	42	35	41	34	29	27
	10	52	39	31	51	39	31	38	31	26	24

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

Catalog Number: RR16AL



Report No.: F11139
 Lamp: LED
 Total Fixture Lumens: 826
 Color Temp: 3500K
 Input Watts: 33
 Luminaire Efficacy: 24.9 lm/w
 CRI: 80
 Spacing Criterion: 1.3

Candlepower summary

Angle	Mean CP	Lumens
0	284	
5	283	27
10	281	
15	274	77
20	265	
25	255	117
30	242	
35	228	142
40	211	
45	193	149
50	174	
55	152	135
60	129	
65	105	104
70	80	
75	56	59
80	33	
85	13	16
90	0	

Zonal lumens and percentages

Zone	Lumens	%Luminaires
0-30	222	26.82
0-40	364	44.01
0-60	648	78.38
0-90	826	100.00
40-90	463	55.99
60-90	179	21.62
90-180	0	0.00
0-180	826	100.00

Coefficients of utilization - zonal cavity method

RC	80%			70%			50%			0	
	70	50	30	70	50	30	50	30	10		
RW	0	119	119	119	116	116	116	111	111	111	100
	1	109	105	101	107	103	99	98	95	93	85
	2	100	93	86	98	91	85	87	82	78	73
	3	92	82	74	89	80	73	77	71	66	62
	4	85	73	65	82	72	64	69	63	57	54
	5	78	65	57	75	64	56	62	55	49	46
	6	72	58	50	70	57	49	56	48	43	40
	7	66	52	44	64	51	43	50	42	37	35
	8	61	47	39	59	47	39	45	38	33	30
	9	56	43	35	55	42	35	41	34	29	27
	10	52	39	31	51	39	31	38	31	26	24

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

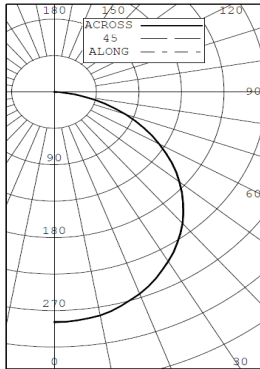
Job Information Type:

PHILIPS
LIGHTOLIER

R01L16

Optimo LED 16" Round

Catalog Number: RT16AL



Report No.: F11140
 Lamp: LED
 Total Fixture Lumens: 814
 Color Temp: 3500K
 Input Watts: 33
 Luminaire Efficacy: 24.5 lm/w
 CRI: 80
 Spacing Criterion: 1.3

Candlepower summary

Angle	Mean CP	Lumens
0	279	
5	278	27
10	276	
15	270	76
20	261	
25	251	116
30	239	
35	225	140
40	209	
45	191	147
50	171	
55	150	134
60	127	
65	103	102
70	79	
75	55	58
80	31	
85	13	15
90	0	

Zonal lumens and percentages

Zone	Lumens	%Luminaires
0-30	218	26.83
0-40	359	44.06
0-60	639	78.52
0-90	814	100.00
40-90	455	55.94
60-90	175	21.48
90-180	0	0.00
0-180	814	100.00

Coefficients of utilization - zonal cavity method

RC	80%			70%			50%			RW
	70	50	30	70	50	30	50	30	10	
0	119	119	119	116	116	116	111	111	111	100
1	109	105	101	107	103	99	98	95	93	85
2	100	93	86	98	91	85	87	82	78	73
3	92	82	74	89	80	73	77	71	66	62
4	85	73	65	82	72	64	69	63	57	54
5	78	65	57	75	64	56	62	55	49	46
6	72	58	50	70	57	49	56	48	43	40
7	66	52	44	64	51	43	50	42	37	35
8	61	47	39	59	47	39	45	38	33	30
9	56	43	35	55	42	35	41	34	29	27
10	52	39	31	51	39	31	38	31	26	24

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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R01L16 September 7, 2011

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Job Information	Type:
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