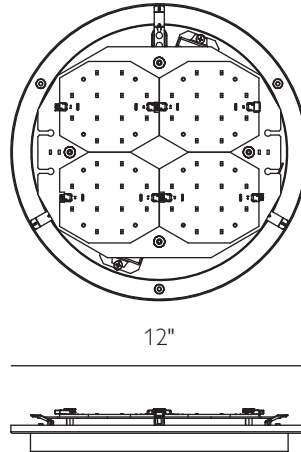


R01L12

Optimo LED 12" Round

Page 1 of 3



Ordering Information

| Catalog No. | Applicable Diffuser Catalog No. | CCT | Voltage | Wattage | Source Life |
|---------------|---------------------------------|-------|---------|---------|--|
| R01L12 | RC12AL | 3500K | 120V | 20W | 50,000 hours based on 70% lumen maintenance. |
| | RR12AL | | | | |
| | RT12AL | | | | |

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

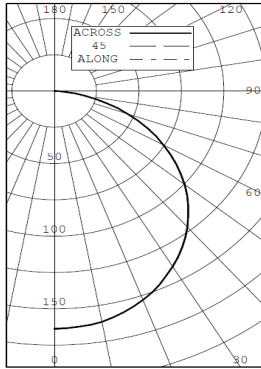
| Job Information | Type: |
|-----------------|-------|
| Job Name: | |
| Cat. No.: | |
| Notes: | |

PHILIPS
LIGHTOLIER

R01L12

Optimo LED 12" Round

Catalog Number: RT12AL



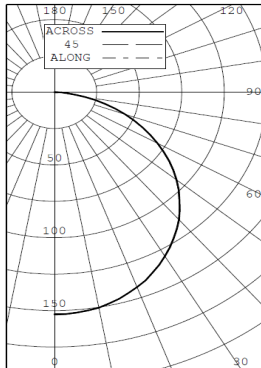
Report No.: F11165
 Lamp: LED
 Total Fixture Lumens: 477
 Color Temp: 3500K
 Input Watts: 20
 Luminaire Efficacy: 23.9 lm/w
 CRI: 80
 Spacing Criterion: 1.3

| Candlepower summary | | | Zonal lumens and percentages | | |
|---------------------|---------|--------|------------------------------|--------|-------------|
| Angle | Mean CP | Lumens | Zone | Lumens | %Luminaires |
| 0 | 164 | | 0-30 | 128 | 26.82 |
| 5 | 163 | 16 | 0-40 | 210 | 44.04 |
| 10 | 162 | | 0-60 | 374 | 78.49 |
| 15 | 158 | 44 | 0-90 | 477 | 100.00 |
| 20 | 153 | | 40-90 | 267 | 55.96 |
| 25 | 147 | 68 | 60-90 | 103 | 21.51 |
| 35 | 131 | 82 | 90-180 | 0 | 0.00 |
| 40 | 122 | | 0-180 | 477 | 100.00 |
| 45 | 112 | 86 | | | |
| 50 | 100 | | | | |
| 55 | 88 | 78 | | | |
| 60 | 74 | | | | |
| 65 | 61 | 60 | | | |
| 70 | 46 | | | | |
| 75 | 32 | 34 | | | |
| 80 | 19 | | | | |
| 85 | 7 | 9 | | | |
| 90 | 0 | | | | |

| Coefficients of utilization - zonal cavity method | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RC | 80% | | 70% | | 50% | | | | | |
| RW | 70 | 50 | 30 | 70 | 50 | 30 | | | | |
| 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: RR12AL



Report No.: F11164
 Lamp: LED
 Total Fixture Lumens: 448
 Color Temp: 3500K
 Input Watts: 20
 Luminaire Efficacy: 22.4 lm/w
 CRI: 80
 Spacing Criterion: 1.3

| Candlepower summary | | | Zonal lumens and percentages | | |
|---------------------|---------|--------|------------------------------|--------|-------------|
| Angle | Mean CP | Lumens | Zone | Lumens | %Luminaires |
| 0 | 153 | | 0-30 | 119 | 26.57 |
| 5 | 152 | 15 | 0-40 | 196 | 43.64 |
| 10 | 151 | | 0-60 | 349 | 77.92 |
| 15 | 147 | 41 | 0-90 | 448 | 100.00 |
| 20 | 142 | | 40-90 | 253 | 56.36 |
| 25 | 137 | 63 | 60-90 | 99 | 22.08 |
| 30 | 130 | | 90-180 | 0 | 0.00 |
| 35 | 122 | 76 | 0-180 | 448 | 100.00 |
| 40 | 114 | | | | |
| 45 | 104 | 80 | | | |
| 50 | 94 | | | | |
| 55 | 82 | 73 | | | |
| 60 | 70 | | | | |
| 65 | 57 | 57 | | | |
| 70 | 44 | | | | |
| 75 | 31 | 33 | | | |
| 80 | 19 | | | | |
| 85 | 8 | 9 | | | |
| 90 | 0 | | | | |

| Coefficients of utilization - zonal cavity method | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RC | 80% | | 70% | | 50% | | | | | |
| RW | 70 | 50 | 30 | 70 | 50 | 30 | | | | |
| 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 |

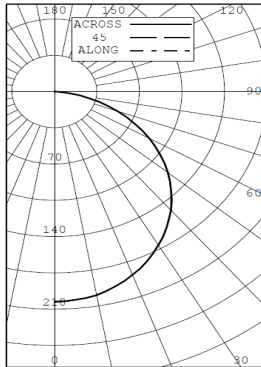
Tested using absolute photometry as specified in LM79: IESNA approved method for the electrical and photometric measurements of solid-state lighting products.

Job Information Type:

R01L12

Optimo LED 12" Round

Catalog Number: RC12AL



Report No.: F11163
 Lamp: LED
 Total Fixture Lumens: 579
 Color Temp: 3500K
 Input Watts: 20
 Luminaire Efficacy: 28.9 lm/w
 CRI: 80
 Spacing Criterion: 1.3

Candlepower summary

| Angle | Mean CP | Lumens |
|-------|---------|--------|
| 0 | 203 | |
| 5 | 202 | 19 |
| 10 | 200 | |
| 15 | 195 | 55 |
| 20 | 188 | |
| 25 | 181 | 83 |
| 30 | 171 | |
| 35 | 161 | 100 |
| 40 | 149 | |
| 45 | 136 | 105 |
| 50 | 122 | |
| 55 | 106 | 95 |
| 60 | 90 | |
| 65 | 73 | 72 |
| 70 | 55 | |
| 75 | 38 | 40 |
| 80 | 21 | |
| 85 | 8 | 10 |
| 90 | 0 | |

Zonal lumens and percentages

| Zone | Lumens | %Luminaires |
|--------|--------|-------------|
| 0-30 | 157 | 27.18 |
| 0-40 | 258 | 44.52 |
| 0-60 | 457 | 78.95 |
| 0-90 | 579 | 100.00 |
| 40-90 | 321 | 55.48 |
| 60-90 | 122 | 21.05 |
| 90-180 | 0 | 0.00 |
| 0-180 | 579 | 100.00 |

Coefficients of utilization - zonal cavity method

| RC | 80% | | | 70% | | | 50% | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | RW | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| 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 | 72 | |
| 3 | 92 | 82 | 74 | 89 | 80 | 73 | 77 | 71 | 66 | 61 | |
| 4 | 85 | 73 | 65 | 82 | 72 | 64 | 69 | 63 | 57 | 53 | |
| 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 | 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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 w: www.lightolier.com

R01L12 August 9, 2011

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