## Luminaire

| | |
|---|---|
| Code | 36614106190U |
| Name | RODA_PF90_10V_BROWN_CREAM_RIBBON |
| Line | OxyTech |

## Measurem.

| | |
|---|---|
| Code | CL092A23F013GE1 |
| Name | RODA_PF90_10V_BROWN_CREAM_RIBBON |

## Source Data

| | | | | | |
|---|---|---|---|---|---|
| Code | RF-xxHI35DS-EF-2N-Y 1030E0 2021-12-17 | Correlated Color Temperature (CCT) | 2108K | Q.ty | 1 |
| Name | REFOND | Color rendering index (CRI) | 84 | | |
| Line | | | | | |

## Measurement data

| | | | |
|---|---|---|---|
| Coordinate system | CG | Symmetry Type | Asymmetrical |
| Date | 21-07-2023 | Maximum Gamma Angle | 180° |
| Measurement Distance | 6.44m | Measurement Flux | 504.6 lm |
| Maximum | 155.63 cd/klm | Position | C=0.0° G=0.0° |

## Electrical Parameters

| | | | |
|---|---|---|---|
| Channel 1 | | Channel 2 | |
| Voltage | 0.00 V | Voltage | 0.00 V |
| Current | 0.00 A | Current | 0.00 A |
| Power | 47.50 W | Power | 0.00 W |
| Frequency | 50 Hz | Frequency | 50 Hz |
| Power Factor | 1.00 | Power Factor | 1.00 |

## Environmental Parameters

| | | | |
|---|---|---|---|
| Temperature | 24.8 °C | Air Speed | 0.0 m/s |
| Humidity | 54.1 % | | |

## Luminaire Dimensions

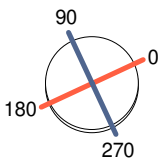
| | | | | | |
|---|---|---|---|---|---|
| Round Luminaire | Diam. | 900 mm | Height | 60 mm | |
| Round Luminous Area | Diam. | 900 mm | Height | 60 mm | |
| | | | | | |
| Horizontal Luminous Area | 0.636173 m2 | | Emitting area on Plane 180° | 0.054000 m2 | |
| Emitting area on Plane 0° | 0.054000 m2 | | Emitting area on Plane 270° | 0.054000 m2 | |
| Emitting area on Plane 90° | 0.054000 m2 | | Glare area at 76° | 0.206300 m2 | |

## Photometric Assessment

| | | | |
|---|---|---|---|
| Luminaire Flux | 505.0 lm | Source Flux | 505.0 lm |
| Efficacy | 10.632 lm/W | Efficiency | 100.0 % |
| CIE Flux Codes | 42 71 90 50 100 | D DIN 5040 | C31 |
| F UTE | 0.50 G + 0.50 T | B NBN | BZ 5 |



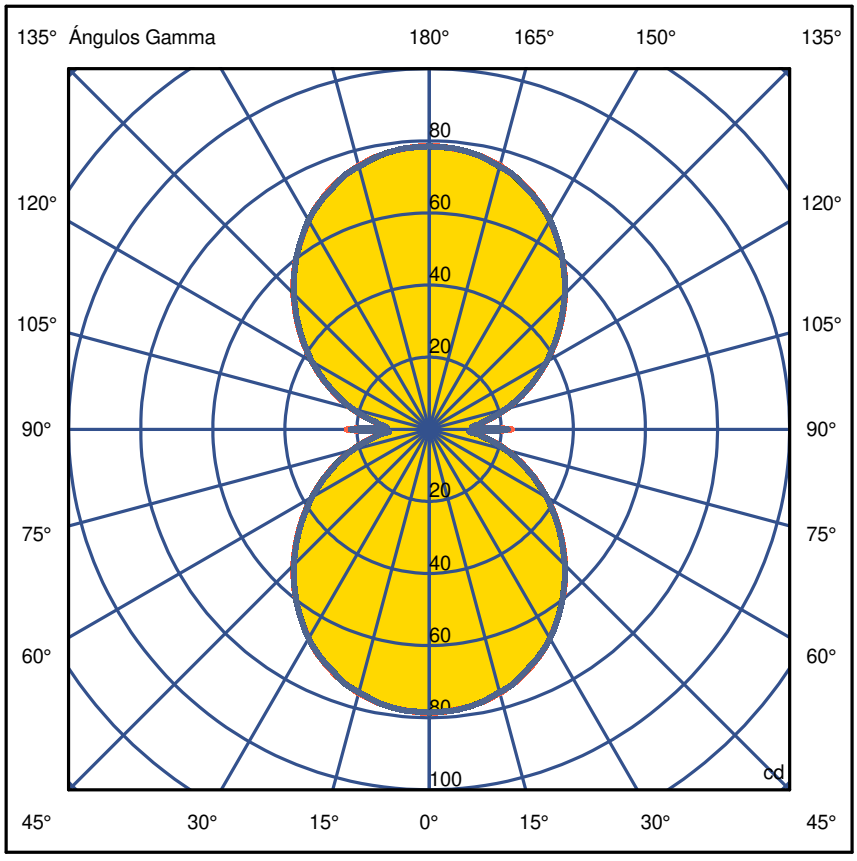
Diam=900mm







ULOR 49.99 %
DLOR 50.01 %
RN 49.99 %



**Luminaire**
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Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
|---|---|---|---|---|---|---|---|
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

**Luminous Intensity Table cd** **Table 1/2**

| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 | C 180.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| G 2.5 | 78 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 | 79 | 79 | 79 | 78 |
| G 5.0 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G 7.5 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G 10.0 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| G 12.5 | 77 | 77 | 77 | 77 | 77 | 76 | 76 | 76 | 77 | 77 | 77 | 77 | 77 |
| G 15.0 | 76 | 76 | 76 | 76 | 76 | 76 | 75 | 76 | 76 | 76 | 76 | 76 | 76 |
| G 17.5 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| G 20.0 | 73 | 74 | 74 | 74 | 74 | 73 | 73 | 73 | 74 | 74 | 74 | 74 | 73 |
| G 22.5 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| G 25.0 | 70 | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 71 | 71 | 71 | 71 | 70 |
| G 27.5 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| G 30.0 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| G 32.5 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| G 35.0 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 |
| G 37.5 | 60 | 61 | 61 | 61 | 61 | 61 | 60 | 61 | 61 | 61 | 61 | 61 | 60 |
| G 40.0 | 58 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 58 | 59 | 59 | 58 | 58 |
| G 42.5 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| G 45.0 | 53 | 53 | 54 | 54 | 53 | 53 | 53 | 53 | 53 | 54 | 54 | 53 | 53 |
| G 47.5 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 51 | 51 | 51 | 51 | 51 | 51 |
| G 50.0 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| G 52.5 | 45 | 46 | 46 | 46 | 46 | 45 | 45 | 45 | 46 | 46 | 46 | 46 | 45 |
| G 55.0 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| G 57.5 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| G 60.0 | 38 | 38 | 38 | 38 | 38 | 38 | 37 | 38 | 38 | 38 | 38 | 38 | 38 |
| G 62.5 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| G 65.0 | 32 | 32 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 32 | 32 |
| G 67.5 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| G 70.0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| G 72.5 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| G 75.0 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| G 77.5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| G 80.0 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| G 82.5 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| G 85.0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| G 87.5 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| G 90.0 | 23 | 23 | 23 | 23 | 23 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 23 |
| G 92.5 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| G 95.0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| G 97.5 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| G100.0 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| G102.5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| G105.0 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| G107.5 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| G110.0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| G112.5 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| G115.0 | 32 | 32 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 32 | 32 |
| G117.5 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| G120.0 | 38 | 38 | 38 | 38 | 38 | 38 | 37 | 38 | 38 | 38 | 38 | 38 | 38 |
| G122.5 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| G125.0 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| G127.5 | 45 | 46 | 46 | 46 | 46 | 45 | 45 | 45 | 46 | 46 | 46 | 46 | 45 |
| G130.0 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| G132.5 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 51 | 51 | 51 | 51 | 51 | 51 |
| G135.0 | 53 | 53 | 54 | 54 | 53 | 53 | 53 | 53 | 53 | 54 | 54 | 53 | 53 |
| G137.5 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| G140.0 | 58 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 58 | 59 | 59 | 58 | 58 |
| G142.5 | 60 | 61 | 61 | 61 | 61 | 61 | 60 | 61 | 61 | 61 | 61 | 61 | 60 |
| G145.0 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 |
| G147.5 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| G150.0 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| G152.5 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| G155.0 | 70 | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 71 | 71 | 71 | 71 | 70 |
| G157.5 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| G160.0 | 73 | 74 | 74 | 74 | 74 | 73 | 73 | 73 | 74 | 74 | 74 | 74 | 73 |
| G162.5 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| G165.0 | 76 | 76 | 76 | 76 | 76 | 76 | 75 | 76 | 76 | 76 | 76 | 76 | 76 |
| G167.5 | 77 | 77 | 77 | 77 | 77 | 76 | 76 | 76 | 77 | 77 | 77 | 77 | 77 |
| G170.0 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| G172.5 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G175.0 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G177.5 | 78 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 | 79 | 79 | 79 | 78 |
| G180.0 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |

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| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
|---|---|---|---|---|---|---|---|
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

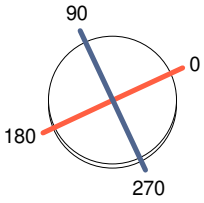
**Luminous Intensity Table cd** **Table 2/2**

| | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| G 2.5 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 | 79 | 79 | 79 |
| G 5.0 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G 7.5 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G 10.0 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| G 12.5 | 77 | 77 | 77 | 77 | 76 | 76 | 76 | 77 | 77 | 77 | 77 |
| G 15.0 | 76 | 76 | 76 | 76 | 76 | 75 | 76 | 76 | 76 | 76 | 76 |
| G 17.5 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| G 20.0 | 74 | 74 | 74 | 74 | 73 | 73 | 73 | 74 | 74 | 74 | 74 |
| G 22.5 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| G 25.0 | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 71 | 71 | 71 | 71 |
| G 27.5 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| G 30.0 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| G 32.5 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| G 35.0 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 |
| G 37.5 | 61 | 61 | 61 | 61 | 61 | 60 | 61 | 61 | 61 | 61 | 61 |
| G 40.0 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 58 | 59 | 59 | 58 |
| G 42.5 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| G 45.0 | 53 | 54 | 54 | 53 | 53 | 53 | 53 | 53 | 54 | 54 | 53 |
| G 47.5 | 51 | 51 | 51 | 51 | 51 | 50 | 51 | 51 | 51 | 51 | 51 |
| G 50.0 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| G 52.5 | 46 | 46 | 46 | 46 | 45 | 45 | 45 | 46 | 46 | 46 | 46 |
| G 55.0 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| G 57.5 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| G 60.0 | 38 | 38 | 38 | 38 | 38 | 37 | 38 | 38 | 38 | 38 | 38 |
| G 62.5 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| G 65.0 | 32 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 32 |
| G 67.5 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| G 70.0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| G 72.5 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| G 75.0 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| G 77.5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| G 80.0 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| G 82.5 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| G 85.0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| G 87.5 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 |
| G 90.0 | 23 | 23 | 23 | 23 | 22 | 22 | 22 | 23 | 23 | 23 | 23 |
| G 92.5 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| G 95.0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| G 97.5 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| G100.0 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| G102.5 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| G105.0 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| G107.5 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| G110.0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| G112.5 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| G115.0 | 32 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 32 |
| G117.5 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| G120.0 | 38 | 38 | 38 | 38 | 38 | 37 | 38 | 38 | 38 | 38 | 38 |
| G122.5 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| G125.0 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| G127.5 | 46 | 46 | 46 | 46 | 45 | 45 | 45 | 46 | 46 | 46 | 46 |
| G130.0 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| G132.5 | 51 | 51 | 51 | 51 | 51 | 50 | 51 | 51 | 51 | 51 | 51 |
| G135.0 | 53 | 54 | 54 | 53 | 53 | 53 | 53 | 53 | 54 | 54 | 53 |
| G137.5 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| G140.0 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 58 | 59 | 59 | 58 |
| G142.5 | 61 | 61 | 61 | 61 | 61 | 60 | 61 | 61 | 61 | 61 | 61 |
| G145.0 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 |
| G147.5 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| G150.0 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| G152.5 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| G155.0 | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 71 | 71 | 71 | 71 |
| G157.5 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| G160.0 | 74 | 74 | 74 | 74 | 73 | 73 | 73 | 74 | 74 | 74 | 74 |
| G162.5 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| G165.0 | 76 | 76 | 76 | 76 | 76 | 75 | 76 | 76 | 76 | 76 | 76 |
| G167.5 | 77 | 77 | 77 | 77 | 76 | 76 | 76 | 77 | 77 | 77 | 77 |
| G170.0 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| G172.5 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G175.0 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| G177.5 | 79 | 79 | 79 | 78 | 78 | 78 | 78 | 78 | 79 | 79 | 79 |
| G180.0 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |

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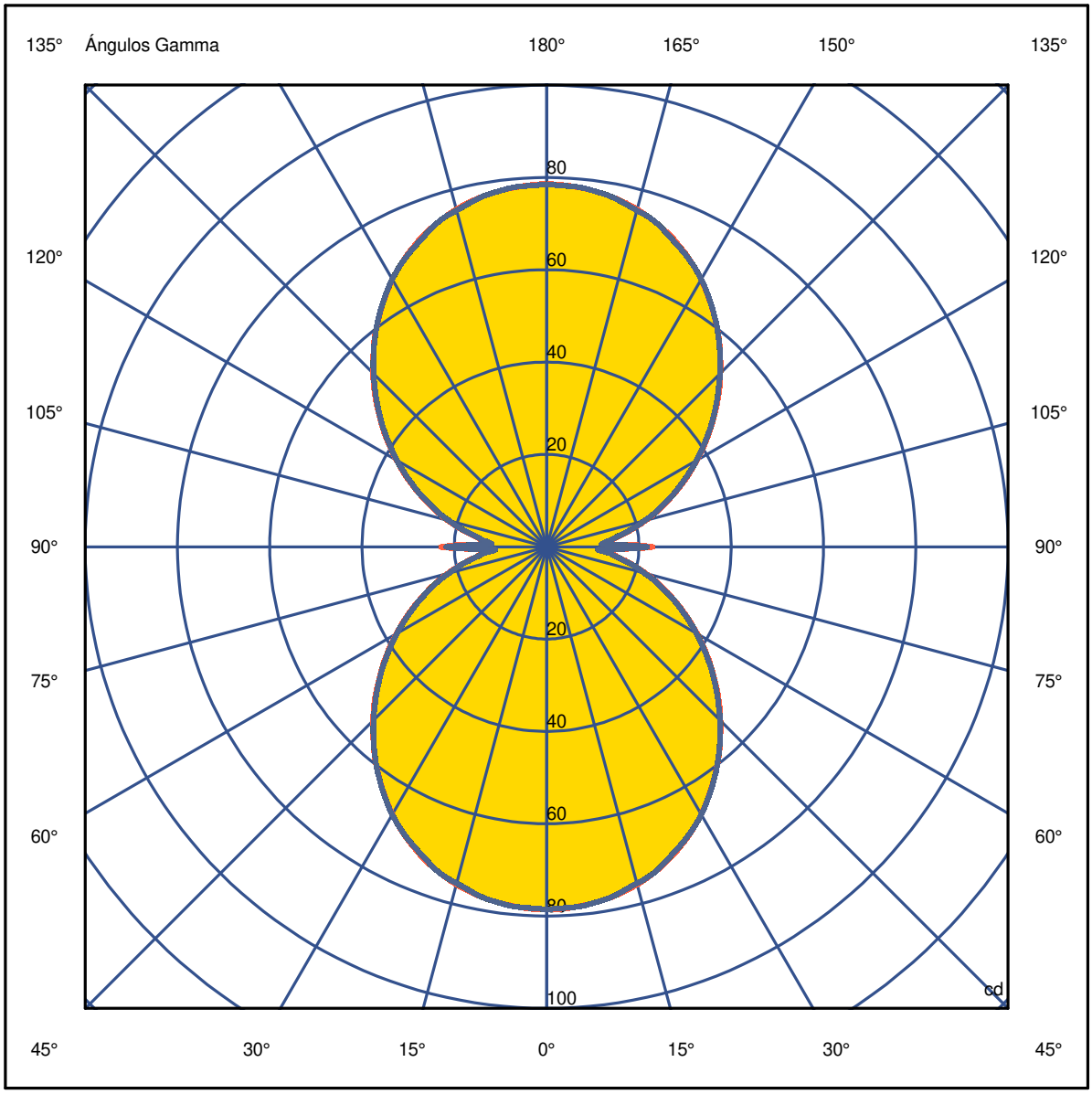
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

Diam=900mm




Semiplanos C

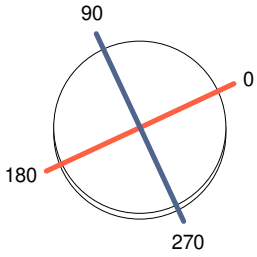


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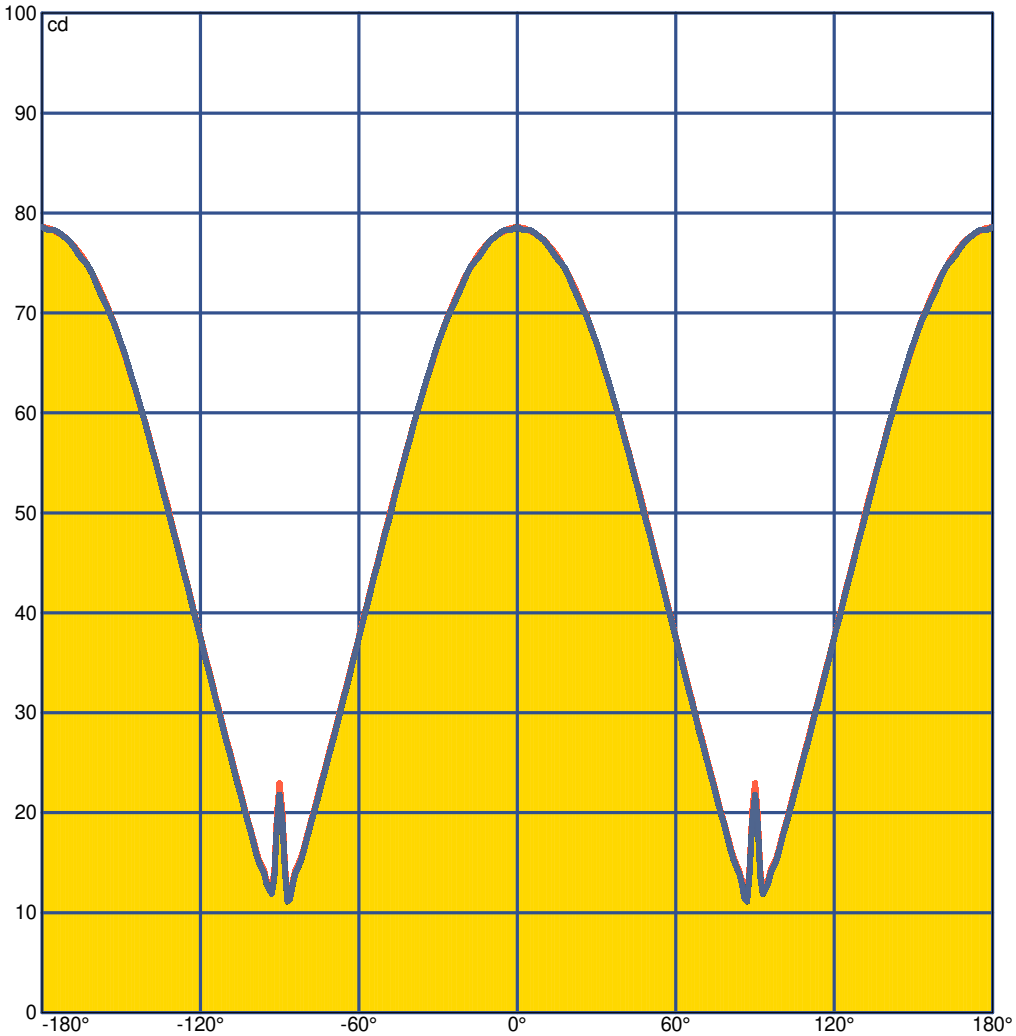
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

Diam=900mm




Semiplanos C



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Name RODA_PF90_10V_BROWN_CREAM_RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

**UGR**
S = 0.250

| Reflectancies | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling/Cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Working Plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | | | | | |
| Room Dimensions | Lateral View | | | | | Viewed Endwise | | | | |
| x=2H y=2H | 1.3 | 2.1 | 2.2 | 3.0 | 4.2 | 1.3 | 2.1 | 2.1 | 3.0 | 4.1 |
| x=2H y=3H | 3.0 | 3.8 | 3.9 | 4.7 | 5.9 | 3.0 | 3.7 | 3.9 | 4.7 | 5.8 |
| x=2H y=4H | 3.9 | 4.6 | 4.8 | 5.5 | 6.7 | 3.8 | 4.5 | 4.7 | 5.4 | 6.6 |
| x=2H y=6H | 4.6 | 5.3 | 5.6 | 6.2 | 7.4 | 4.6 | 5.2 | 5.5 | 6.2 | 7.4 |
| x=2H y=8H | 5.0 | 5.6 | 5.9 | 6.5 | 7.8 | 4.9 | 5.5 | 5.9 | 6.5 | 7.7 |
| x=2H y=12H | 5.3 | 5.9 | 6.3 | 6.9 | 8.1 | 5.3 | 5.8 | 6.2 | 6.8 | 8.0 |
| x=4H y=2H | 1.9 | 2.6 | 2.8 | 3.5 | 4.7 | 1.8 | 2.5 | 2.8 | 3.5 | 4.7 |
| x=4H y=3H | 3.8 | 4.4 | 4.8 | 5.4 | 6.6 | 3.8 | 4.4 | 4.7 | 5.3 | 6.6 |
| x=4H y=4H | 4.8 | 5.3 | 5.8 | 6.3 | 7.5 | 4.8 | 5.3 | 5.7 | 6.3 | 7.5 |
| x=4H y=6H | 5.7 | 6.2 | 6.7 | 7.2 | 8.4 | 5.7 | 6.1 | 6.6 | 7.1 | 8.4 |
| x=4H y=8H | 6.1 | 6.6 | 7.1 | 7.6 | 8.9 | 6.1 | 6.5 | 7.1 | 7.5 | 8.8 |
| x=4H y=12H | 6.6 | 7.0 | 7.6 | 8.0 | 9.3 | 6.5 | 6.9 | 7.5 | 7.9 | 9.2 |
| x=8H y=4H | 5.1 | 5.5 | 6.1 | 6.5 | 7.8 | 5.1 | 5.5 | 6.1 | 6.5 | 7.8 |
| x=8H y=6H | 6.2 | 6.6 | 7.3 | 7.6 | 8.9 | 6.2 | 6.5 | 7.2 | 7.6 | 8.9 |
| x=8H y=8H | 6.8 | 7.1 | 7.8 | 8.1 | 9.5 | 6.8 | 7.0 | 7.8 | 8.1 | 9.4 |
| x=8H y=12H | 7.4 | 7.7 | 8.5 | 8.7 | 10.1 | 7.3 | 7.6 | 8.4 | 8.6 | 10.0 |
| x=12H y=4H | 5.2 | 5.5 | 6.2 | 6.5 | 7.8 | 5.1 | 5.5 | 6.1 | 6.5 | 7.8 |
| x=12H y=6H | 6.3 | 6.6 | 7.4 | 7.7 | 9.0 | 6.3 | 6.6 | 7.3 | 7.6 | 9.0 |
| x=12H y=8H | 7.0 | 7.3 | 8.0 | 8.3 | 9.6 | 6.9 | 7.2 | 8.0 | 8.2 | 9.6 |

**Luminaire**
Code 36614106190U
Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

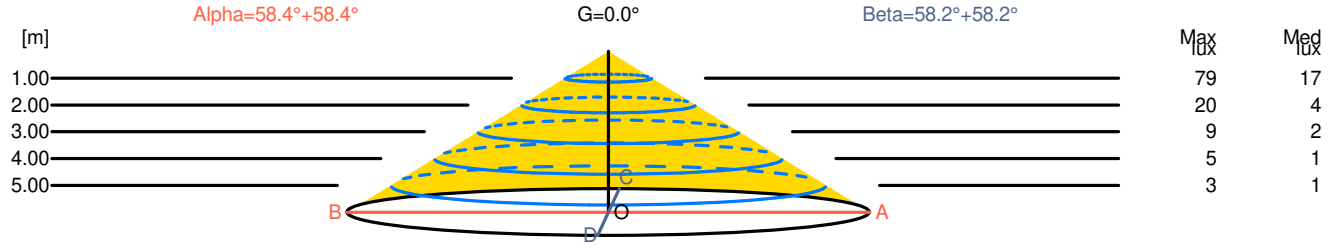
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

Width at 50.00 % of Max Intensity

| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OA | 1.62 | 3.25 | 4.87 | 6.50 | 8.12 | OC | 1.62 | 3.23 | 4.85 | 6.46 | 8.08 |
| OB | 1.62 | 3.25 | 4.87 | 6.50 | 8.12 | OD | 1.62 | 3.23 | 4.85 | 6.46 | 8.08 |

Luminous Intensities [ cd]

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 78.59 | 78.18 | 75.71 | 70.48 | 62.68 | 53.26 | 42.90 | 32.39 | 22.25 | 13.24 |
| OB | 78.59 | 78.18 | 75.71 | 70.48 | 62.68 | 53.26 | 42.90 | 32.39 | 22.25 | 13.24 |
| OC | 78.59 | 78.26 | 75.43 | 70.34 | 62.71 | 53.10 | 42.73 | 32.20 | 21.95 | 12.93 |
| OD | 78.59 | 78.26 | 75.43 | 70.34 | 62.71 | 53.10 | 42.73 | 32.20 | 21.95 | 12.93 |




| H[m] | D[m] | Max lux | Med lux | Alpha=58.4°+58.4° G=0.0 |
|---|---|---|---|---|
| 1.00 | 3.25 | 79 | 17 | |
| 2.00 | 6.50 | 20 | 4 | |
| 3.00 | 9.75 | 9 | 2 | |
| 4.00 | 13.00 | 5 | 1 | |
| 5.00 | 16.24 | 3 | 1 | |

| H[m] | D[m] | Max lux | Med lux | Beta=58.2°+58.2° G=0.0 |
|---|---|---|---|---|
| 1.00 | 3.23 | 79 | 17 | |
| 2.00 | 6.46 | 20 | 4 | |
| 3.00 | 9.69 | 9 | 2 | |
| 4.00 | 12.92 | 5 | 1 | |
| 5.00 | 16.15 | 3 | 1 | |

**Luminaire**
Code 36614106190U
Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

Flujo Total=505.00 Flujo Luminaria=505.00

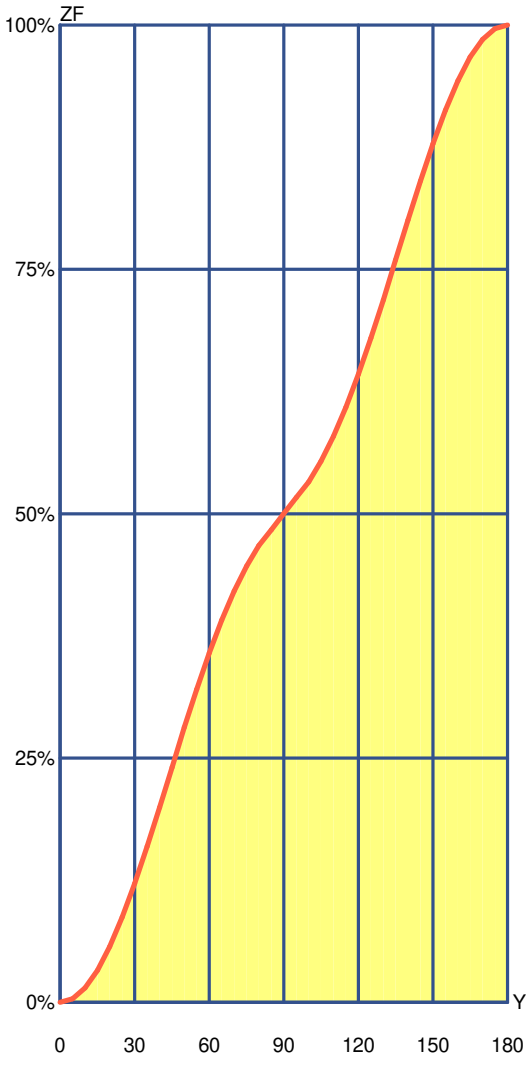
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.27 | 0.35 | 0.42 | 0.49 | 0.54 | 0.62 | 0.68 | 0.72 | 0.78 | 0.81 | 0.89 | 0.94 |
| RC | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |

Flujo Zonal por 1000 Lúmenes

| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZF(Y) | 15 | 57 | 122 | 200 | 281 | 357 | 421 | 467 | 500 | 533 | 579 | 643 | 719 | 800 | 878 | 943 | 985 | 1000 |

Códigos de Flujo C.I.E.
42 71 90 50 100

| | | | |
|---|---|---|---|
| C.I.E. | 6/6/6/6/6/6/6/6/6/7/7 | LOR | 100.00000 % |
| D DIN 5040 | C31 | ULOR | 49.98544 % |
| F UTE | 0.50 G + 0.50 T | DLOR | 50.01456 % |
| B NBN | BZ 5 | UFF | 49.98544 % |
| RN | 49.98544 % | DFF | 50.01456 % |
| BLF | 1.0 | FFR | 99.94178 % |



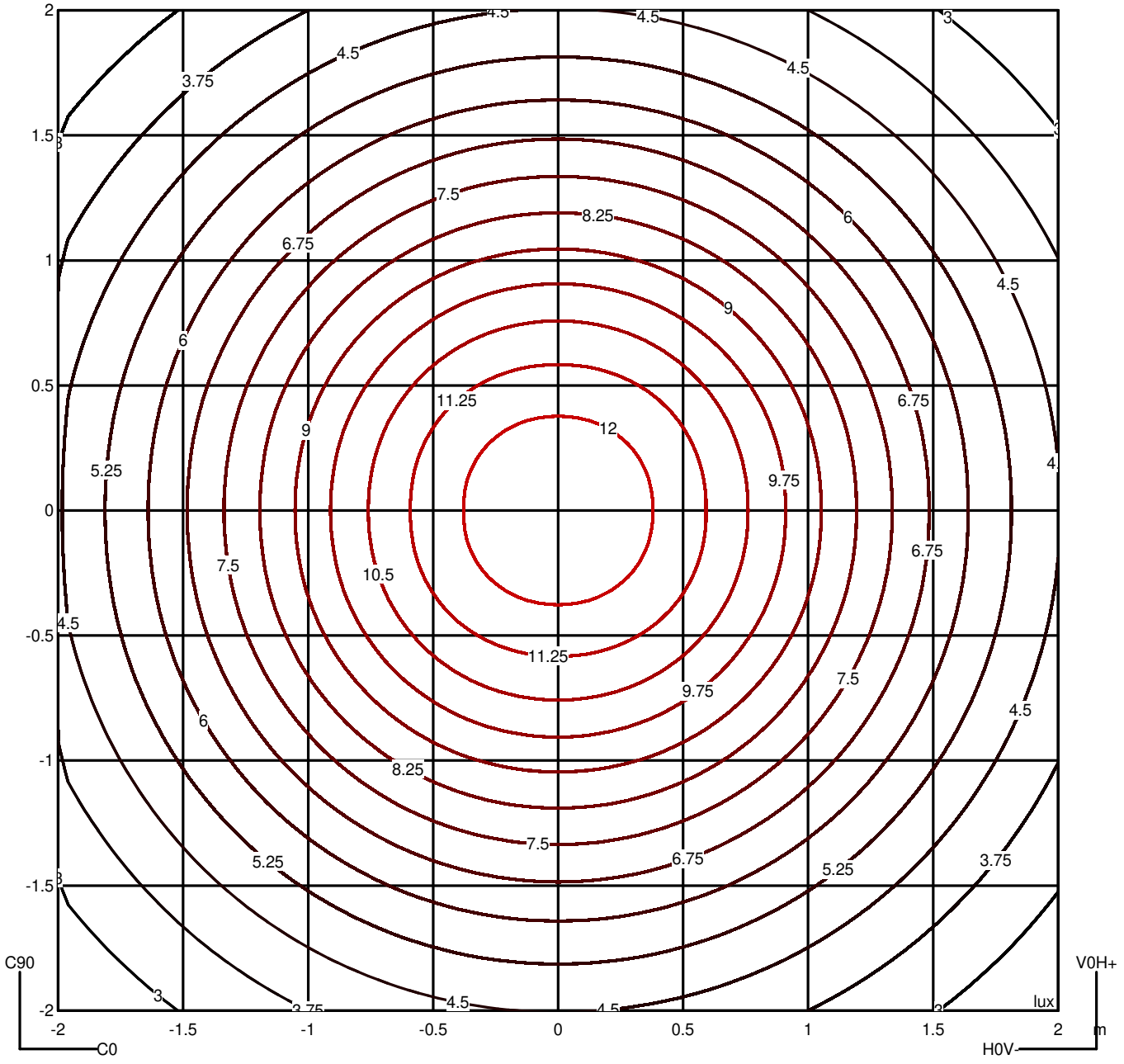

| Flujo Zonal | | | | |
|---|---|---|---|---|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 3.71 | 3.71 | 0.37 % | 0.37 % |
| 10° | 11.02 | 14.73 | 1.10 % | 1.47 % |
| 15° | 17.99 | 32.72 | 1.80 % | 3.27 % |
| 20° | 24.38 | 57.10 | 2.44 % | 5.71 % |
| 25° | 29.93 | 87.03 | 2.99 % | 8.70 % |
| 30° | 34.51 | 121.54 | 3.45 % | 12.15 % |
| 35° | 37.91 | 159.45 | 3.79 % | 15.94 % |
| 40° | 40.08 | 199.53 | 4.01 % | 19.95 % |
| 45° | 40.99 | 240.52 | 4.10 % | 24.05 % |
| 50° | 40.69 | 281.22 | 4.07 % | 28.12 % |
| 55° | 39.26 | 320.47 | 3.93 % | 32.05 % |
| 60° | 36.85 | 357.32 | 3.68 % | 35.73 % |
| 65° | 33.66 | 390.98 | 3.37 % | 39.10 % |
| 70° | 29.89 | 420.87 | 2.99 % | 42.09 % |
| 75° | 25.60 | 446.47 | 2.56 % | 44.65 % |
| 80° | 20.88 | 467.35 | 2.09 % | 46.73 % |
| 85° | 16.27 | 483.62 | 1.63 % | 48.36 % |
| 90° | 16.53 | 500.15 | 1.65 % | 50.01 % |
| 95° | 16.24 | 516.38 | 1.62 % | 51.64 % |
| 100° | 16.27 | 532.65 | 1.63 % | 53.27 % |
| 105° | 20.88 | 553.53 | 2.09 % | 55.35 % |
| 110° | 25.60 | 579.13 | 2.56 % | 57.91 % |
| 115° | 29.89 | 609.02 | 2.99 % | 60.90 % |
| 120° | 33.66 | 642.68 | 3.37 % | 64.27 % |
| 125° | 36.85 | 679.53 | 3.68 % | 67.95 % |
| 130° | 39.26 | 718.78 | 3.93 % | 71.88 % |
| 135° | 40.69 | 759.48 | 4.07 % | 75.95 % |
| 140° | 40.99 | 800.47 | 4.10 % | 80.05 % |
| 145° | 40.08 | 840.55 | 4.01 % | 84.06 % |
| 150° | 37.91 | 878.46 | 3.79 % | 87.85 % |
| 155° | 34.51 | 912.97 | 3.45 % | 91.30 % |
| 160° | 29.93 | 942.90 | 2.99 % | 94.29 % |
| 165° | 24.38 | 967.28 | 2.44 % | 96.73 % |
| 170° | 17.99 | 985.27 | 1.80 % | 98.53 % |
| 175° | 11.02 | 996.29 | 1.10 % | 99.63 % |
| 180° | 3.71 | 1000.00 | 0.37 % | 100.00 % |

**Luminaire**
Code 36614106190U
Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



**Luminaire**
Code 36614106190U
Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

## Spectral Data

Std.: No import standard

| | | | |
|---|---|---|---|
| CIE1931 | x =0.523351 | y =0.426187 | |
| CIE1960 | u =0.296200 | v =0.361812 | |
| CIE1976 | u'=0.296200 | v'=0.542718 | |
| D(u,v) | 0.00363 | | |

Color rendering index (CRI)
Color Rendering Components

CCT = [2108 K]*

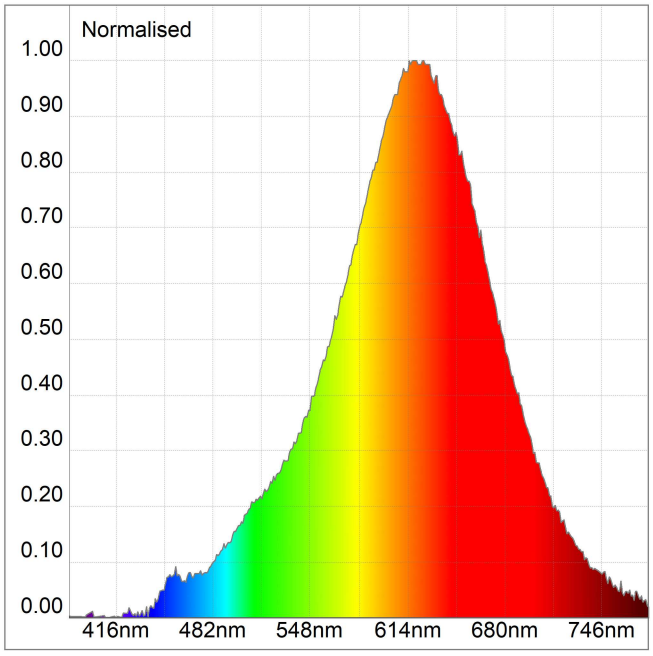
CRI8(Ra) [84.1]* CRI15(Rav) [80.0]*

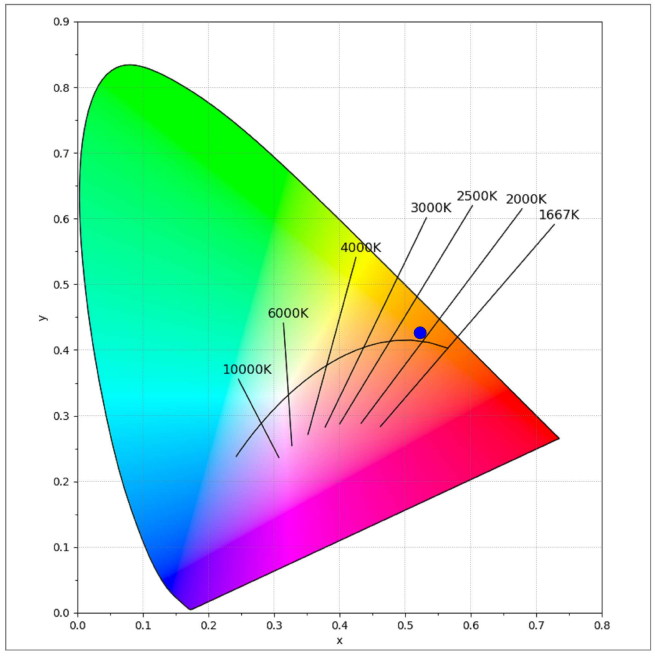
| | | | | |
|---|---|---|---|---|
| R 1: 82.3 | R 2: 92.1 | R 3: 96.5 | R 4: 80.5 | R 5: 81.7 |
| R 6: 92.5 | R 7: 84.1 | R 8: 63.0 | R 9: 25.4 | R10: 83.1 |
| R11: 79.3 | R12: 80.9 | R13: 83.9 | R14: 98.9 | R15: 75.4 |

## Spectral Distribution

| l(nm) | Normalised | l(nm) | Normalised | l(nm) | Normalised |
|---|---|---|---|---|---|
| 383.0 | 0.002365 | 389.0 | 0.001912 | 395.0 | 0.005250 |
| 401.0 | 0.001316 | 407.0 | 0.003757 | 413.0 | 0.002072 |
| 419.0 | 0.000268 | 425.0 | 0.012230 | 431.0 | 0.003108 |
| 437.0 | 0.001797 | 443.0 | 0.027770 | 449.0 | 0.061351 |
| 455.0 | 0.077703 | 461.0 | 0.064730 | 467.0 | 0.074324 |
| 473.0 | 0.084460 | 479.0 | 0.089865 | 485.0 | 0.111486 |
| 491.0 | 0.131081 | 497.0 | 0.154730 | 503.0 | 0.183784 |
| 509.0 | 0.206757 | 515.0 | 0.213514 | 521.0 | 0.244595 |
| 527.0 | 0.259459 | 533.0 | 0.282432 | 539.0 | 0.318243 |
| 545.0 | 0.361486 | 551.0 | 0.398649 | 557.0 | 0.462838 |
| 563.0 | 0.507432 | 569.0 | 0.577027 | 575.0 | 0.631757 |
| 581.0 | 0.689189 | 587.0 | 0.756757 | 593.0 | 0.817568 |
| 599.0 | 0.878378 | 605.0 | 0.932432 | 611.0 | 0.972973 |
| 617.0 | 0.993243 | 623.0 | 0.993243 | 629.0 | 0.993243 |
| 635.0 | 0.972973 | 641.0 | 0.912162 | 647.0 | 0.864865 |
| 653.0 | 0.817568 | 659.0 | 0.743243 | 665.0 | 0.695946 |
| 671.0 | 0.605405 | 677.0 | 0.527027 | 683.0 | 0.471622 |
| 689.0 | 0.410135 | 695.0 | 0.354054 | 701.0 | 0.295270 |
| 707.0 | 0.255405 | 713.0 | 0.218243 | 719.0 | 0.189865 |
| 725.0 | 0.154054 | 731.0 | 0.128378 | 737.0 | 0.108108 |
| 743.0 | 0.088513 | 749.0 | 0.081757 | 755.0 | 0.060068 |
| 761.0 | 0.065811 | 767.0 | 0.049730 | 773.0 | 0.038243 |
| 779.0 | 0.022095 | | | | |

## Spectrum Graph

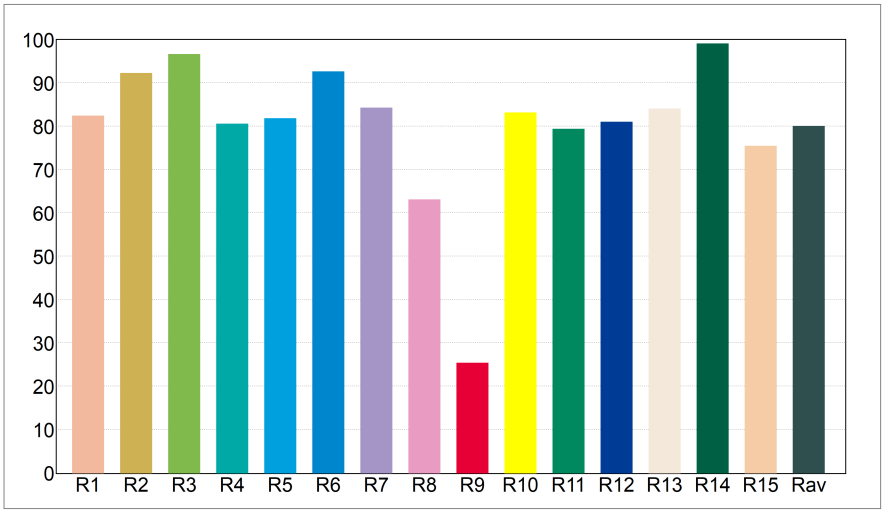


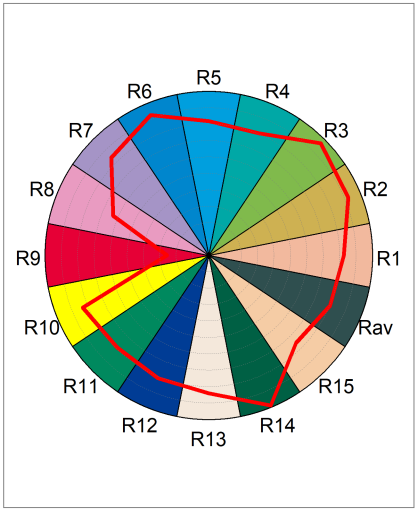



**Luminaire**
Code 36614106190U
Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |

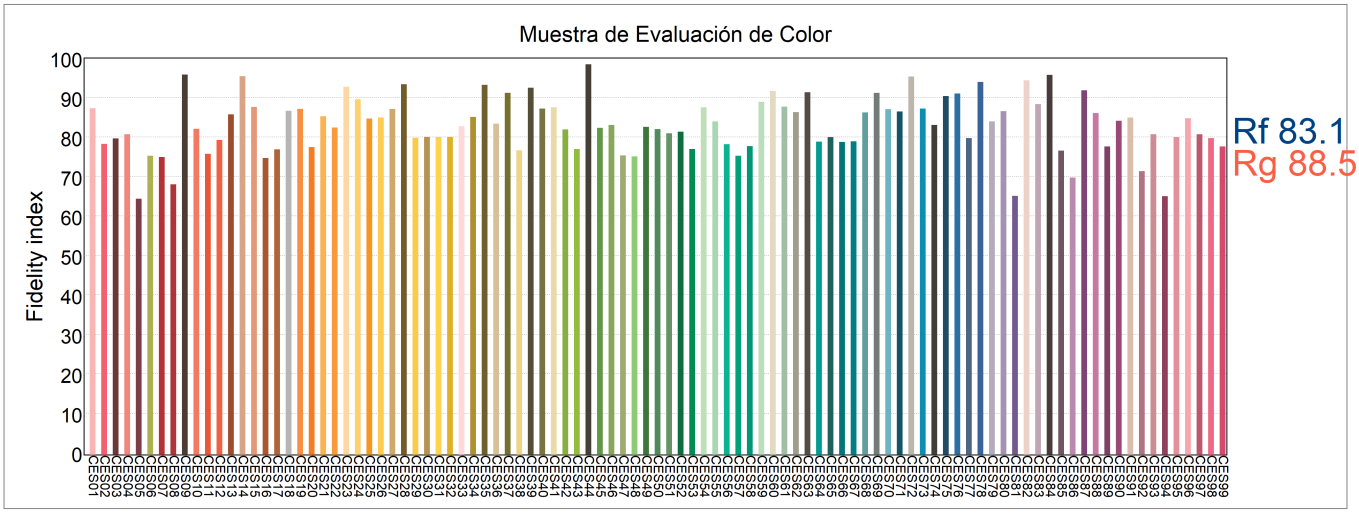
## CRI Graphs



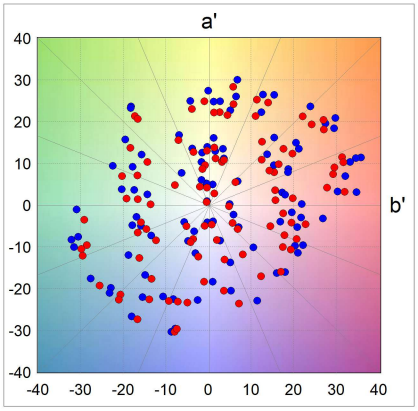



**Luminaire**
Code 36614106190U
Name RODA_PF90_10V_BROWN_CREAM_RIBBON
**Measurem.**
Code CL092A23F013GE1
Name RODA_PF90_10V_BROWN_CREAM_RIBBON

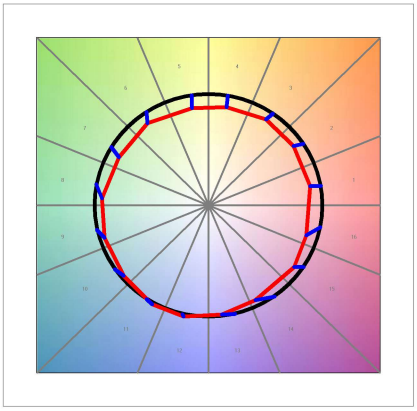
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 505 lm | Luminaire Power | 47.5 W | Efficacy | 10.632 lm/W | Efficiency | 100.00% |
| Source Flux | 505 lm | Maximum value | 78.59 cd | Position | C=0.00 G=0.00 | CG | Asymmetrical |



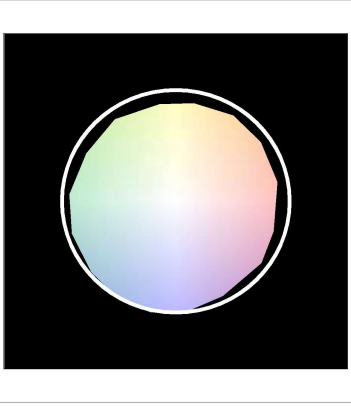

Chromatic Coordinates (a', b') 99 CES



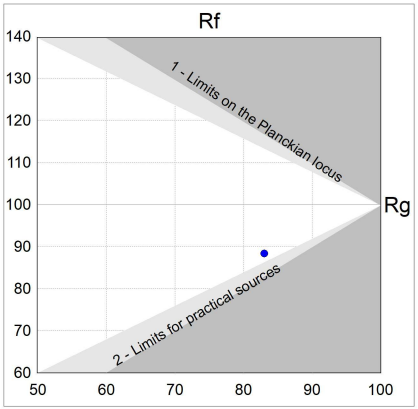

Color Vector Graphic



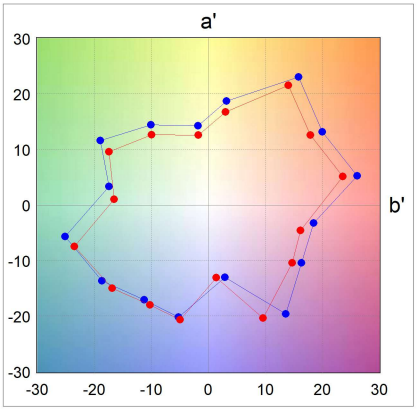
Color Distorsion Graphic



Rg vs Rf Plot




Gamut Polygon




Bin Deviation

