

# Rotaliana

## Luminaire

Code 538-QL22-S05  
Name 2700K CRI 90 LED CXB1310 C17791-AMY-45-M-LEDIL

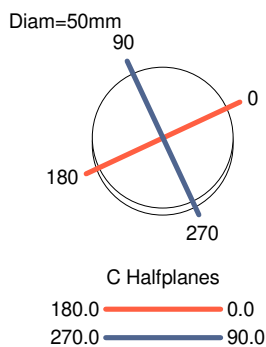
## Measurem.

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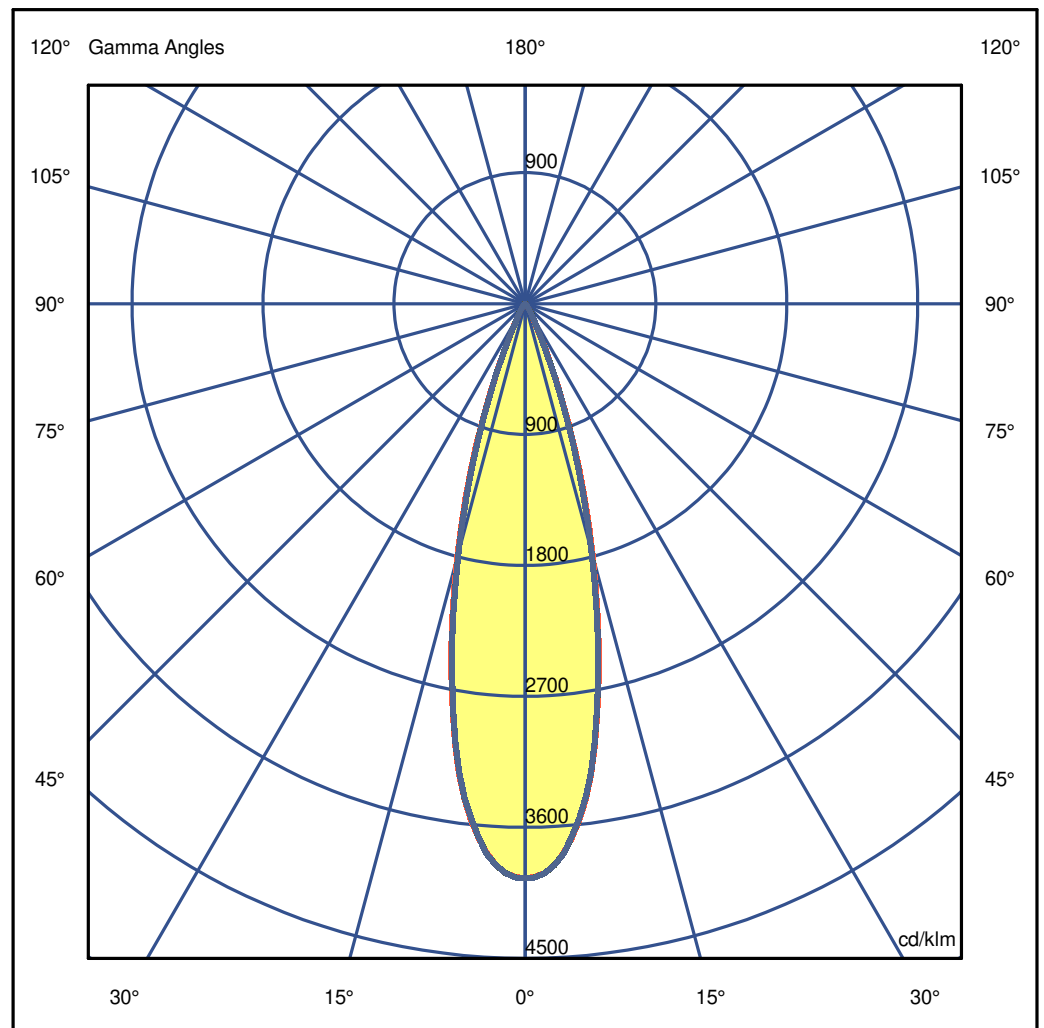
|                            |         |                 |                |                             |                |                    |                    |
|----------------------------|---------|-----------------|----------------|-----------------------------|----------------|--------------------|--------------------|
| Luminaire Flux             | 1027 lm | Luminaire Power | 11.6 W         | Efficacy                    | 88.566 lm/W    | Efficiency         | 100.00%            |
| Source Flux                | 1027 lm | Maximum value   | 3951.30 cd/klm | Position                    | C=25.00 G=0.50 | CG                 | Double Symmetrical |
| Round Luminaire            |         | Diam.           | 50 mm          | Height                      | 150 mm         |                    |                    |
| Round Luminous Area        |         | Diam.           | 50 mm          | Height                      | 1 mm           |                    |                    |
| Horizontal Luminous Area   |         | 0.001963 m2     |                | Emitting area on Plane 180° |                | 0.000050 m2        |                    |
| Emitting area on Plane 0°  |         | 0.000050 m2     |                | Emitting area on Plane 270° |                | 0.000050 m2        |                    |
| Emitting area on Plane 90° |         | 0.000050 m2     |                | Glare area at 76°           |                | 0.000524 m2        |                    |
| Coordinate system          |         | CG              |                | Symmetry Type               |                | Double Symmetrical |                    |
| Date                       |         | 21-04-2022      |                | Maximum Gamma Angle         |                | 90                 |                    |
| Measurement Distance       |         | 0.00            |                | Measurement Flux            |                | 1027 lm            |                    |
| Operator                   |         | .12.01          |                | Rated Voltage               |                |                    |                    |
| Temperature                |         |                 |                | Rated Current               |                |                    |                    |
| Humidity                   |         |                 |                | Photocell                   |                |                    |                    |
| Notes                      |         |                 |                |                             |                |                    |                    |

## Luminaire Sources

| Line   | Code               | Name         | Flux [lm] | Pow. [W] | Q.ty |
|--------|--------------------|--------------|-----------|----------|------|
|        | 538-QL22-S05       | 538-QL22-S05 | 1027.37   | 11.60    | 1    |
| C.I.E. | 99 100 100 100 100 | D DIN 5040   | A60       |          |      |
| F UTE  | --                 | B NBN        | BZ 1      |          |      |



ULOR 0.00 %  
DLOR100.00 %  
RN 0.00 %



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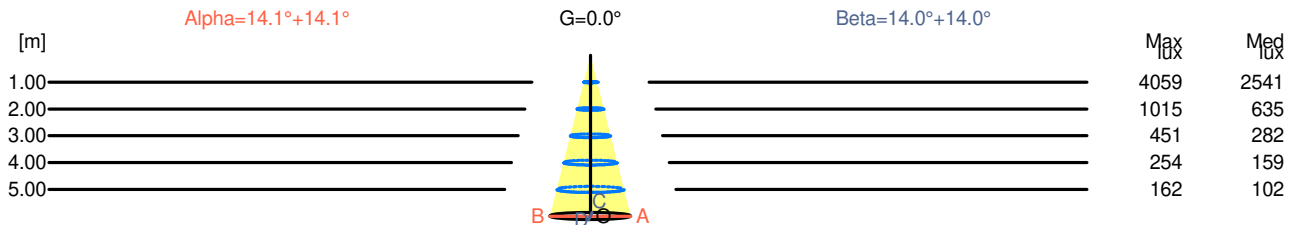
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Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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   | 0.25 | 0.50 | 0.76 | 1.01 | 1.26 | OC   | 0.25 | 0.50 | 0.75 | 1.00 | 1.25 |
| OB   | 0.25 | 0.50 | 0.76 | 1.01 | 1.26 | OD   | 0.25 | 0.50 | 0.75 | 1.00 | 1.25 |

|    |                                |         |         |        |       |       |      |      |      |      |
|----|--------------------------------|---------|---------|--------|-------|-------|------|------|------|------|
|    | Luminous Intensities [ cd/klm] |         |         |        |       |       |      |      |      |      |
|    | 0                              | 5       | 15      | 25     | 35    | 45    | 55   | 65   | 75   | 85   |
| OA | 4057.59                        | 3784.52 | 1845.17 | 266.29 | 44.20 | 10.67 | 2.40 | 0.46 | 0.19 | 0.05 |
| OB | 4057.59                        | 3784.52 | 1845.17 | 266.29 | 44.20 | 10.67 | 2.40 | 0.46 | 0.19 | 0.05 |
| OC | 4057.59                        | 3781.03 | 1810.14 | 263.08 | 43.03 | 10.64 | 2.32 | 0.46 | 0.19 | 0.05 |
| OD | 4057.59                        | 3781.03 | 1810.14 | 263.08 | 43.03 | 10.64 | 2.32 | 0.46 | 0.19 | 0.05 |



| H[m] | D[m] | Max lux | Med lux | Alpha=14.1°+14.1° | G=0.0 |  |
|------|------|---------|---------|-------------------|-------|--|
| 1.00 | 0.50 | 4059    | 2541    |                   |       |  |
| 2.00 | 1.01 | 1015    | 635     |                   |       |  |
| 3.00 | 1.51 | 451     | 282     |                   |       |  |
| 4.00 | 2.02 | 254     | 159     |                   |       |  |
| 5.00 | 2.52 | 162     | 102     |                   |       |  |

| H[m] | D[m] | Max lux | Med lux | Beta=14.0°+14.0° | G=0.0 |  |
|------|------|---------|---------|------------------|-------|--|
| 1.00 | 0.50 | 4059    | 2541    |                  |       |  |
| 2.00 | 1.00 | 1015    | 635     |                  |       |  |
| 3.00 | 1.50 | 451     | 282     |                  |       |  |
| 4.00 | 1.99 | 254     | 159     |                  |       |  |
| 5.00 | 2.49 | 162     | 102     |                  |       |  |

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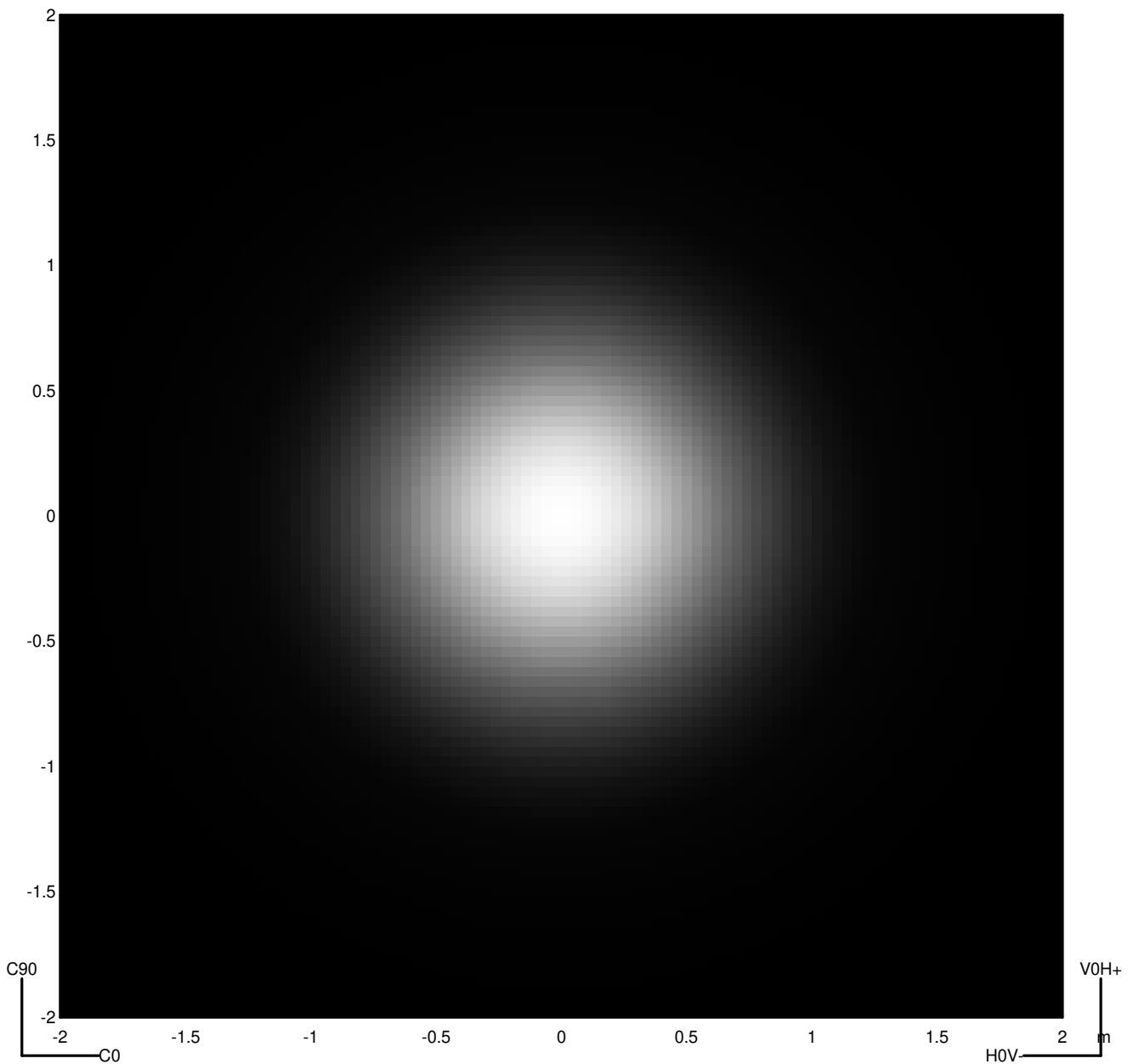
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Isolux (Floor)

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



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## Measurement

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| Source Flux    | 1027 lm | Maximum value   | 3951.30 cd/klm | Position | C=25.00 G=0.50 | CG         | Double Symmetrical |

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 |              |     |     |     |     |                |     |     |     |     |
| Room Dimensions | Lateral View |     |     |     |     | Viewed Endwise |     |     |     |     |
| x=2H y=2H       | 8.6          | 9.2 | 8.8 | 9.4 | 9.6 | 8.5            | 9.1 | 8.7 | 9.3 | 9.5 |
| x=2H y=3H       | 8.4          | 9.0 | 8.7 | 9.2 | 9.5 | 8.3            | 8.9 | 8.6 | 9.2 | 9.4 |
| x=2H y=4H       | 8.4          | 8.9 | 8.7 | 9.2 | 9.4 | 8.3            | 8.8 | 8.6 | 9.1 | 9.3 |
| x=2H y=6H       | 8.3          | 8.8 | 8.6 | 9.1 | 9.4 | 8.2            | 8.7 | 8.5 | 9.0 | 9.3 |
| x=2H y=8H       | 8.3          | 8.7 | 8.6 | 9.0 | 9.3 | 8.2            | 8.7 | 8.5 | 8.9 | 9.2 |
| x=2H y=12H      | 8.2          | 8.7 | 8.6 | 9.0 | 9.3 | 8.1            | 8.6 | 8.5 | 8.9 | 9.2 |
| x=4H y=2H       | 8.4          | 8.9 | 8.7 | 9.2 | 9.4 | 8.3            | 8.8 | 8.6 | 9.1 | 9.3 |
| x=4H y=3H       | 8.2          | 8.7 | 8.6 | 9.0 | 9.3 | 8.2            | 8.6 | 8.5 | 8.9 | 9.2 |
| x=4H y=4H       | 8.2          | 8.6 | 8.6 | 8.9 | 9.2 | 8.1            | 8.5 | 8.5 | 8.8 | 9.2 |
| x=4H y=6H       | 8.1          | 8.4 | 8.5 | 8.8 | 9.2 | 8.0            | 8.3 | 8.4 | 8.7 | 9.1 |
| x=4H y=8H       | 8.1          | 8.4 | 8.5 | 8.7 | 9.1 | 8.0            | 8.3 | 8.4 | 8.7 | 9.1 |
| x=4H y=12H      | 8.0          | 8.3 | 8.5 | 8.7 | 9.1 | 7.9            | 8.2 | 8.4 | 8.6 | 9.0 |
| x=8H y=4H       | 8.1          | 8.4 | 8.5 | 8.7 | 9.1 | 8.0            | 8.3 | 8.4 | 8.7 | 9.0 |
| x=8H y=6H       | 8.0          | 8.2 | 8.4 | 8.6 | 9.1 | 7.9            | 8.1 | 8.3 | 8.5 | 9.0 |
| x=8H y=8H       | 7.9          | 8.1 | 8.4 | 8.5 | 9.0 | 7.9            | 8.0 | 8.3 | 8.5 | 8.9 |
| x=8H y=12H      | 7.9          | 8.0 | 8.4 | 8.5 | 9.0 | 7.8            | 8.0 | 8.3 | 8.4 | 8.9 |
| x=12H y=4H      | 8.0          | 8.3 | 8.5 | 8.7 | 9.1 | 7.9            | 8.2 | 8.4 | 8.6 | 9.0 |
| x=12H y=6H      | 7.9          | 8.1 | 8.4 | 8.5 | 9.0 | 7.9            | 8.0 | 8.3 | 8.5 | 8.9 |
| x=12H y=8H      | 7.9          | 8.0 | 8.4 | 8.5 | 9.0 | 7.8            | 7.9 | 8.3 | 8.4 | 8.9 |