



**Dorit Ø140mm**

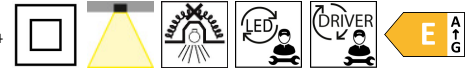
**TC-0349-BLA**

Recessed ceiling lights Dorit Ø140mm LED 15.7W 3000K ON-OFF White IN IP20 / OUT IP54 1530.00

**TECHNICAL FEATURES**



IN IP20 / OUT IP54



Luminaire total power : 15.7W

Real lumens : 1149

Nominal lumens : 1530

Real lm/W : 73

Lens / reflector angle : FLOOD 66°

UGR : <=19

Structure material : Aluminium

Structure finish : White

Diffuser material : Glass

Diffuser finish : Transparent

Voltage / frequency : 100-240V ~ 50/60Hz

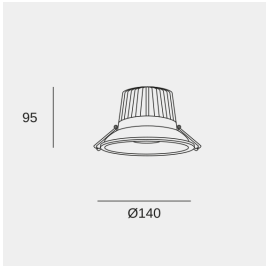
Dimming protocol : ON-OFF

Power Factor : 0.90

Useful life : 36.000h L70B30

Warranty : 5 Years

Easily recyclable luminaire



**LUMINOTECHNIC FEATURES**

Luminance C0°G65°: 1932

Luminance C90°G65°: 1926

CRI: 80

MacAdam steps: 3

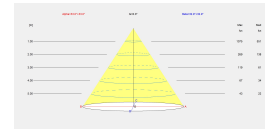
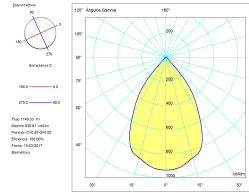
Photobiological risk: RG1

UGR

UGR crosswise: 18.0

UGR lengthwise: 18.0

| UGR              |            |
|------------------|------------|
| S=0.250          |            |
| Ceiling / cavity | 0.7        |
| Walls            | 0.5        |
| Working Plane    | 0.2        |
| Room dimensions  | X=4H, Y=8H |
| UGR crosswise    | 18.0       |
| UGR lengthwise   | 18.0       |



| Lampholder | Quantity | Light source power (W) | Correlated Colour Temperature (CCT) |
|------------|----------|------------------------|-------------------------------------|
| LED        | 1        | 14W                    | 3000K                               |

**LOGISTICS**

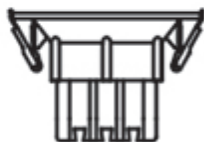
Net weight (kg): 0.53

Packaged weight (kg): 0.66

Packaging: 155mm x 155mm x 115mm



Ø140



95

*B* Ø120  0-12mm

**Luminaire**

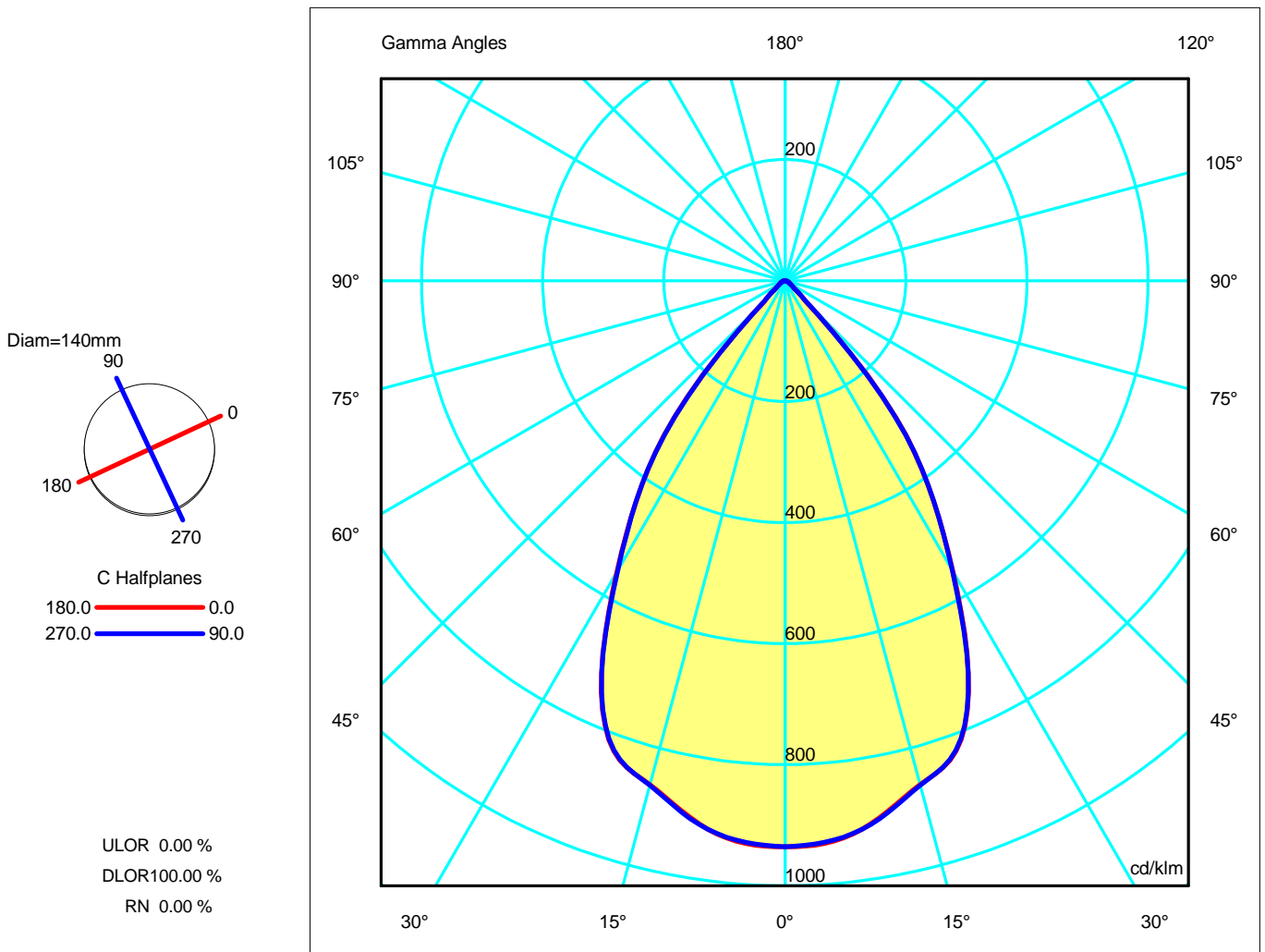
Code TC-0349-BLA  
 Name Downlight led 16W 3000K

**Measur.**

Code CL116A17F081G  
 Name Downlight led 16W 3000K

|   |            |   |                  |   |               |   |                    |
|---|------------|---|------------------|---|---------------|---|--------------------|
| Luminaire Flux  | 1149.33 lm | Luminaire Power                           | 15.09 W          | Efficacy  | 76.17 lm/W    | Efficiency                                | 100.00%            |
| Lamps Flux  | 1149.33 lm | Maximum value                             | 935.61 cd/klm    | Position  | C=0.00 G=0.00 | CG  | Double Symmetrical |
| Round Luminaire<br>Round Luminous Area  |            | Diam.<br>Diam.                            | 140 mm<br>110 mm | Height<br>Height  | 4 mm<br>0 mm  |   |                    |
| Horizontal Luminous Area<br>Emitting area on Plane 0°<br>Emitting area on Plane 90° |            | 0.009503 m2<br>0.000000 m2<br>0.000000 m2 |                  | Emitting area on Plane 180°<br>Emitting area on Plane 270°<br>Glare area at 76° |               | 0.000000 m2<br>0.000000 m2<br>0.002299 m2 |                    |
| Coordinate system<br>Date<br>Measurement Distance                                   |            | CG<br>15-03-2017<br>0.00                  |                  | Symmetry Type<br>Maximum Gamma Angle<br>Measurement Flux                        |               | Double Symmetrical<br>90<br>1149.33 lm    |                    |
| Operator<br>Temperature<br>Humidity<br>Notes  |            | Asselum T3<br>25.00 °C<br>60.00 %         |                  | Source Voltage [V]<br>Source current [A]<br>Photocell                           |               |   |                    |

| Line   |                   | Code        |  | Luminaire Lamps |      | Flux [lm] | Pow. [W] | Q.ty |
|--------|-------------------|-------------|--|-----------------|------|-----------|----------|------|
|        |                   | TC-0349-BLA |  | TC-0349-BLA     |      | 1149.33   | 15.09    | 1    |
| C.I.E. | 93 99 100 100 100 |             |  | D DIN 5040      | A60  |           |          |      |
| F UTE  | 1.00 A            |             |  | B NBN           | BZ 1 |           |          |      |





**Luminaire**

Code TC-0349-BLA  
 Name Downlight led 16W 3000K

**Measur.**

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 Name Downlight led 16W 3000K

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| Luminaire Flux | 1149.33 lm | Luminaire Power | 15.09 W       | Efficacy | 76.17 lm/W    | Efficiency | 100.00%            |
| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**Luminous Intensity Table cd/klm Table 1/1**

|        | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|--------|--------|---------|---------|---------|---------|---------|---------|
| G 0.0  | 935.61 | 935.61  | 935.61  | 935.61  | 935.61  | 935.61  | 935.61  |
| G 5.0  | 929.78 | 929.67  | 929.43  | 929.19  | 927.84  | 927.67  | 927.89  |
| G 10.0 | 900.95 | 901.07  | 901.46  | 902.00  | 901.65  | 902.61  | 902.67  |
| G 15.0 | 862.10 | 863.44  | 863.73  | 863.69  | 862.29  | 862.68  | 863.09  |
| G 20.0 | 827.14 | 827.90  | 827.26  | 827.32  | 825.33  | 826.53  | 825.74  |
| G 25.0 | 716.97 | 723.23  | 719.54  | 723.42  | 719.46  | 720.51  | 716.18  |
| G 30.0 | 555.06 | 554.24  | 552.95  | 553.10  | 549.93  | 554.69  | 552.41  |
| G 35.0 | 412.26 | 414.03  | 411.57  | 414.03  | 413.28  | 414.47  | 412.22  |
| G 40.0 | 252.39 | 251.04  | 244.80  | 249.16  | 244.93  | 252.45  | 248.70  |
| G 45.0 | 48.46  | 48.37   | 47.48   | 48.78   | 48.08   | 49.90   | 48.34   |
| G 50.0 | 19.65  | 19.74   | 19.33   | 19.45   | 19.49   | 19.59   | 19.58   |
| G 55.0 | 13.17  | 13.08   | 12.98   | 13.06   | 13.11   | 13.24   | 13.21   |
| G 60.0 | 9.41   | 9.45    | 9.34    | 9.33    | 9.32    | 9.46    | 9.39    |
| G 65.0 | 6.75   | 6.68    | 6.68    | 6.68    | 6.64    | 6.73    | 6.73    |
| G 70.0 | 4.76   | 4.77    | 4.74    | 4.74    | 4.74    | 4.81    | 4.84    |
| G 75.0 | 2.21   | 2.05    | 2.03    | 2.06    | 2.12    | 2.21    | 2.20    |
| G 80.0 | 1.43   | 1.42    | 1.42    | 1.44    | 1.47    | 1.51    | 1.54    |
| G 85.0 | 1.19   | 1.18    | 1.19    | 1.21    | 1.25    | 1.30    | 1.34    |
| G 90.0 | 1.12   | 1.10    | 1.11    | 1.14    | 1.19    | 1.26    | 1.30    |

**Luminaire**

Code TC-0349-BLA  
 Name Downlight led 16W 3000K

**Measur.**

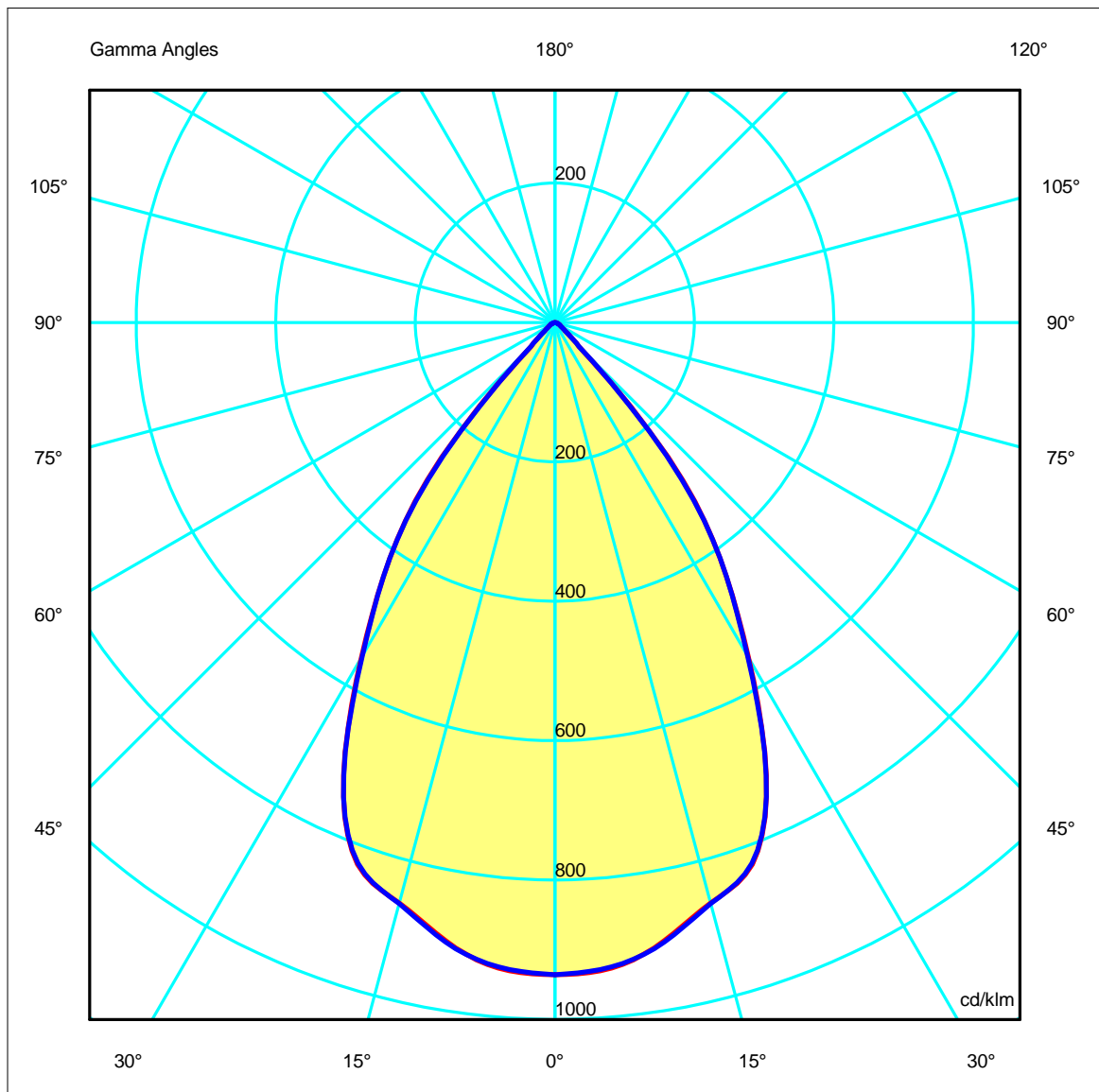
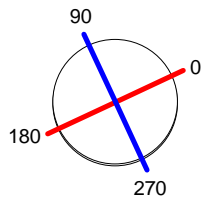
Code CL116A17F081G  
 Name Downlight led 16W 3000K

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|----------------|------------|-----------------|---------------|----------|---------------|------------|--------------------|
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| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Diam=140mm

C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0



**Luminaire**

 Code TC-0349-BLA  
 Name Downlight led 16W 3000K

**Measurem.**

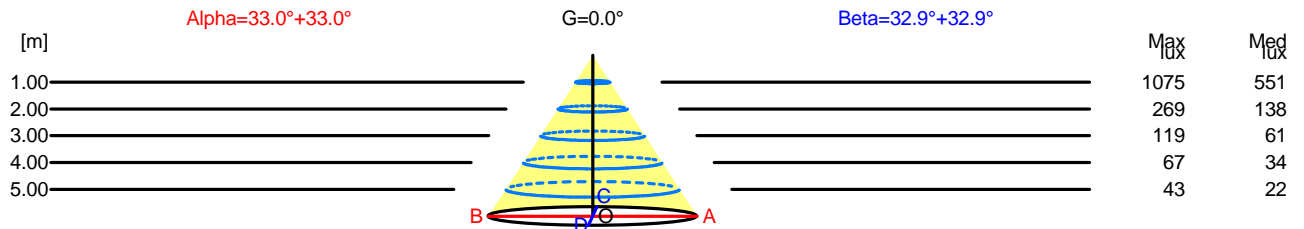
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| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

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   | 0.65 | 1.30 | 1.95 | 2.59 | 3.24 | OC   | 0.65 | 1.30 | 1.94 | 2.59 | 3.24 |
| OB   | 0.65 | 1.30 | 1.95 | 2.59 | 3.24 | OD   | 0.65 | 1.30 | 1.94 | 2.59 | 3.24 |

|    | Luminous Intensities [ cd/klm] |         |        |        |        |       |       |      |      |      |
|----|--------------------------------|---------|--------|--------|--------|-------|-------|------|------|------|
|    | 0                              | 5       | 15     | 25     | 35     | 45    | 55    | 65   | 75   | 85   |
| OA | 1075.32                        | 1068.63 | 990.83 | 824.03 | 473.83 | 55.70 | 15.14 | 7.76 | 2.54 | 1.37 |
| OB | 1075.32                        | 1068.63 | 990.83 | 824.03 | 473.83 | 55.70 | 15.14 | 7.76 | 2.54 | 1.37 |
| OC | 1075.32                        | 1066.46 | 991.97 | 823.12 | 473.78 | 55.56 | 15.18 | 7.74 | 2.53 | 1.54 |
| OD | 1075.32                        | 1066.46 | 991.97 | 823.12 | 473.78 | 55.56 | 15.18 | 7.74 | 2.53 | 1.54 |



| H[m] | D[m] | Max lux | Med lux | Alpha=33.0°+33.0° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.30 | 1075    | 551     |                   |       |
| 2.00 | 2.59 | 269     | 138     |                   |       |
| 3.00 | 3.89 | 119     | 61      |                   |       |
| 4.00 | 5.19 | 67      | 34      |                   |       |
| 5.00 | 6.49 | 43      | 22      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=32.9°+32.9° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.30 | 1075    | 551     |                  |       |
| 2.00 | 2.59 | 269     | 138     |                  |       |
| 3.00 | 3.89 | 119     | 61      |                  |       |
| 4.00 | 5.18 | 67      | 34      |                  |       |
| 5.00 | 6.48 | 43      | 22      |                  |       |



**Luminaire**

Code TC-0349-BLA  
Name Downlight led 16W 3000K

**Measurement**

Code CL116A17F081G  
Name Downlight led 16W 3000K

|                |            |                 |               |          |               |            |                    |
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| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | 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  |
| WorkingPlane   | 0.2             | 0.2  | 0.2  | 0.2  | 0.2  | 0.2           | 0.2  | 0.2  | 0.2  | 0.2  |
| RoomDimensions | ViewedCrosswise |      |      |      |      | ViewedEndwise |      |      |      |      |
| x=2H y=2H      | 18.1            | 18.8 | 18.4 | 19.0 | 19.3 | 18.2          | 18.9 | 18.4 | 19.1 | 19.3 |
| x=2H y=3H      | 18.0            | 18.7 | 18.3 | 18.9 | 19.2 | 18.1          | 18.7 | 18.3 | 18.9 | 19.2 |
| x=2H y=4H      | 18.0            | 18.6 | 18.3 | 18.8 | 19.1 | 18.0          | 18.6 | 18.3 | 18.9 | 19.1 |
| x=2H y=6H      | 17.9            | 18.5 | 18.2 | 18.8 | 19.1 | 17.9          | 18.5 | 18.3 | 18.8 | 19.1 |
| x=2H y=8H      | 17.9            | 18.4 | 18.2 | 18.7 | 19.0 | 17.9          | 18.5 | 18.3 | 18.7 | 19.0 |
| x=2H y=12H     | 17.9            | 18.4 | 18.2 | 18.7 | 19.0 | 17.9          | 18.4 | 18.2 | 18.7 | 19.0 |
| x=4H y=2H      | 18.0            | 18.6 | 18.2 | 18.8 | 19.1 | 18.0          | 18.6 | 18.3 | 18.8 | 19.1 |
| x=4H y=3H      | 17.9            | 18.4 | 18.2 | 18.7 | 19.0 | 17.9          | 18.4 | 18.2 | 18.7 | 19.0 |
| x=4H y=4H      | 17.8            | 18.3 | 18.2 | 18.6 | 19.0 | 17.9          | 18.3 | 18.2 | 18.6 | 19.0 |
| x=4H y=6H      | 17.8            | 18.1 | 18.2 | 18.5 | 18.9 | 17.8          | 18.2 | 18.2 | 18.5 | 18.9 |
| x=4H y=8H      | 17.7            | 18.1 | 18.2 | 18.4 | 18.9 | 17.8          | 18.1 | 18.2 | 18.5 | 18.9 |
| x=4H y=12H     | 17.7            | 18.0 | 18.1 | 18.4 | 18.9 | 17.7          | 18.0 | 18.2 | 18.4 | 18.9 |
| x=8H y=4H      | 17.7            | 18.1 | 18.1 | 18.4 | 18.9 | 17.7          | 18.1 | 18.2 | 18.4 | 18.9 |
| x=8H y=6H      | 17.7            | 17.9 | 18.1 | 18.3 | 18.8 | 17.7          | 17.9 | 18.1 | 18.4 | 18.8 |
| x=8H y=8H      | 17.6            | 17.8 | 18.1 | 18.3 | 18.8 | 17.7          | 17.9 | 18.1 | 18.3 | 18.8 |
| x=8H y=12H     | 17.6            | 17.8 | 18.1 | 18.3 | 18.8 | 17.7          | 17.8 | 18.1 | 18.3 | 18.8 |
| x=12H y=4H     | 17.7            | 18.0 | 18.1 | 18.4 | 18.8 | 17.7          | 18.0 | 18.1 | 18.4 | 18.8 |
| x=12H y=6H     | 17.6            | 17.8 | 18.1 | 18.3 | 18.8 | 17.6          | 17.8 | 18.1 | 18.3 | 18.8 |
| x=12H y=8H     | 17.6            | 17.8 | 18.1 | 18.2 | 18.8 | 17.6          | 17.8 | 18.1 | 18.3 | 18.8 |

**Luminaire**

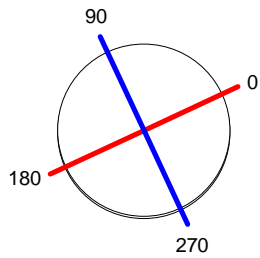
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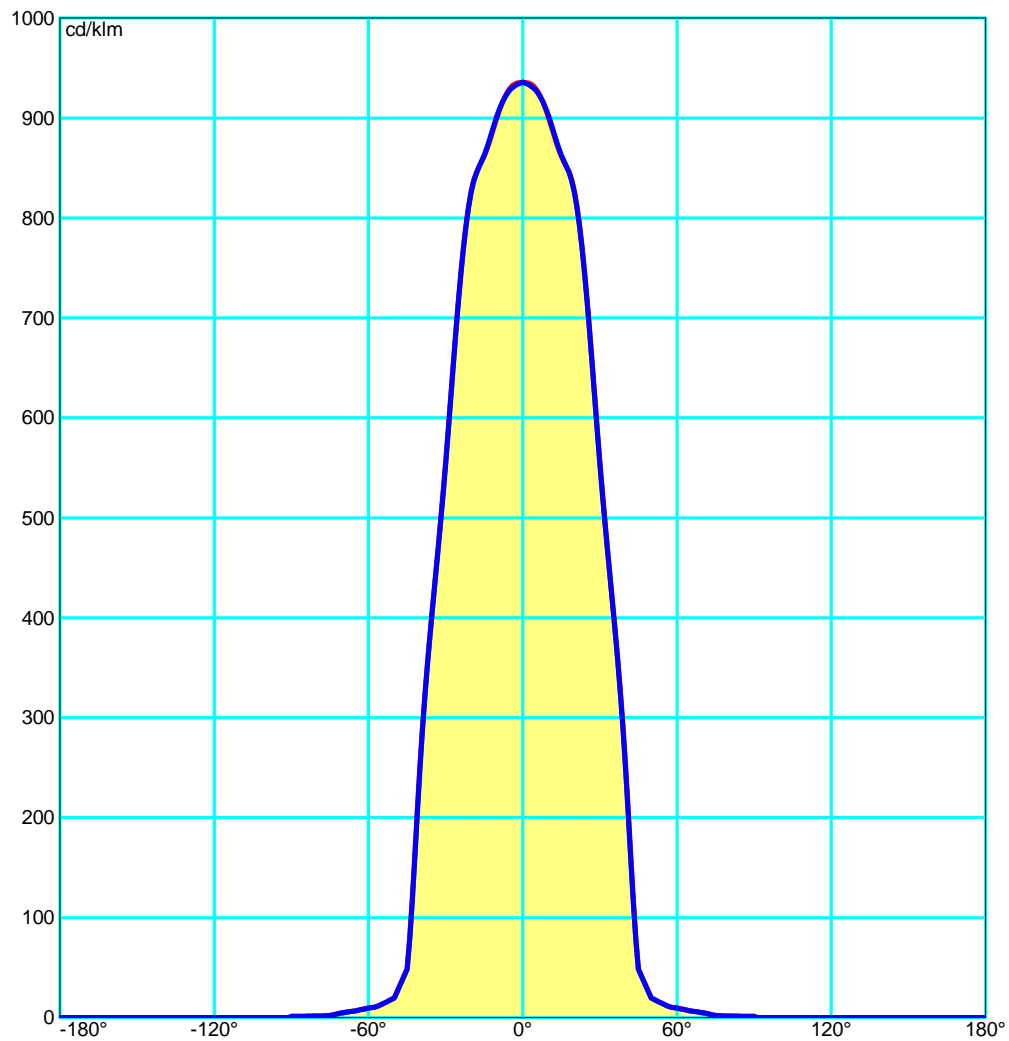
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| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Diam=140mm



C Halfplanes

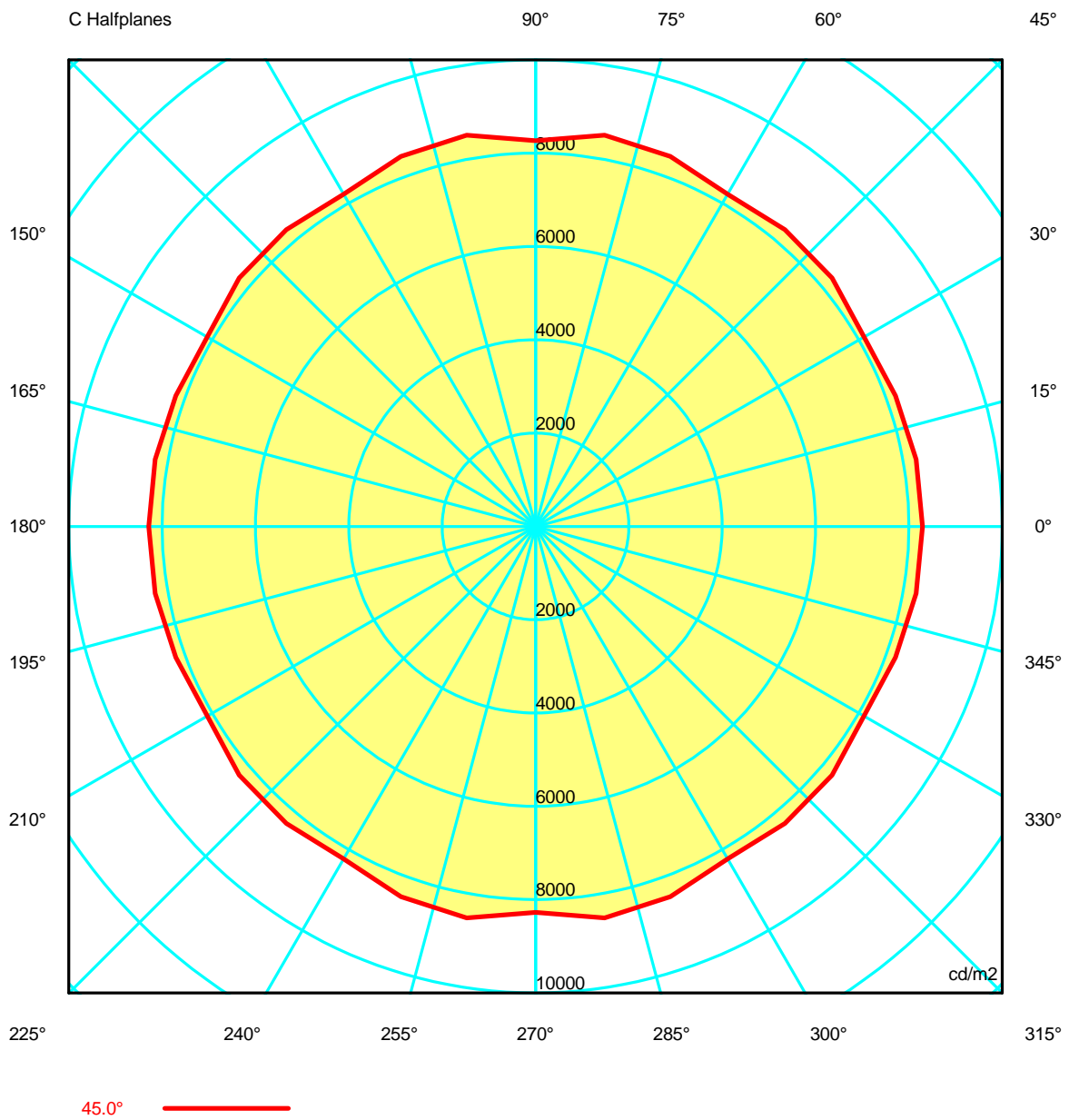
180.0 ———— 0.0  
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Luminance





**Luminaire**

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Name Downlight led 16W 3000K

**Measurerm.**

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| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**Luminance cd/m2 Table 1/3**

|        | C 0.00    | C 10.00   | C 20.00   | C 30.00   | C 40.00   | C 50.00   | C 60.00   | C 70.00   | C 80.00   | C 90.00   | C 100.00  | C 110.00  | C 120.00  |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| G 0.0  | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 |
| G 5.0  | 112877.29 | 112870.42 | 112852.17 | 112834.90 | 112829.74 | 112755.07 | 112641.54 | 112613.64 | 112630.16 | 112648.09 | 112630.16 | 112613.64 | 112641.54 |
| G 10.0 | 110641.73 | 110649.81 | 110666.26 | 110704.55 | 110761.71 | 110755.27 | 110727.74 | 110804.02 | 110848.23 | 110852.80 | 110848.23 | 110804.02 | 110727.74 |
| G 15.0 | 107939.61 | 108065.29 | 108128.81 | 108143.82 | 108160.36 | 108082.27 | 107964.15 | 107980.44 | 108036.42 | 108063.80 | 108036.42 | 107980.44 | 107964.15 |
| G 20.0 | 106454.21 | 106542.19 | 106526.71 | 106468.98 | 106474.20 | 106390.07 | 106221.40 | 106315.09 | 106379.74 | 106274.21 | 106379.74 | 106315.09 | 106221.40 |
| G 25.0 | 95674.02  | 96398.57  | 96369.96  | 96017.54  | 96393.60  | 96429.16  | 96007.06  | 96094.96  | 96052.78  | 95568.34  | 96052.78  | 96094.96  | 96007.06  |
| G 30.0 | 77513.81  | 77455.61  | 77320.13  | 77219.45  | 77233.49  | 77092.79  | 76797.37  | 77244.44  | 77487.01  | 77143.67  | 77487.01  | 77244.44  | 76797.37  |
| G 35.0 | 60866.88  | 61126.18  | 61003.58  | 60764.22  | 61005.25  | 61126.83  | 61017.41  | 61146.05  | 61145.01  | 60860.71  | 61145.01  | 61146.05  | 61017.41  |
| G 40.0 | 39846.63  | 39704.81  | 39237.01  | 38648.64  | 39166.89  | 39139.43  | 38668.88  | 39461.27  | 39897.34  | 39263.56  | 39897.34  | 39461.27  | 38668.88  |
| G 45.0 | 8288.34   | 8278.31   | 8203.77   | 8121.50   | 8287.67   | 8308.32   | 8223.32   | 8443.80   | 8518.07   | 8268.41   | 8518.07   | 8443.80   | 8223.32   |
| G 50.0 | 3696.79   | 3720.23   | 3689.48   | 3637.27   | 3647.25   | 3665.73   | 3667.44   | 3679.92   | 3688.13   | 3684.63   | 3688.13   | 3679.92   | 3667.44   |
| G 55.0 | 2777.27   | 2766.21   | 2749.28   | 2737.09   | 2746.72   | 2757.35   | 2765.31   | 2784.54   | 2793.30   | 2784.67   | 2793.30   | 2784.54   | 2765.31   |
| G 60.0 | 2276.58   | 2286.47   | 2277.35   | 2258.59   | 2257.21   | 2253.82   | 2254.65   | 2279.59   | 2289.78   | 2271.97   | 2289.78   | 2279.59   | 2254.65   |
| G 65.0 | 1932.21   | 1917.56   | 1912.20   | 1911.26   | 1910.89   | 1905.43   | 1899.99   | 1917.32   | 1929.92   | 1925.99   | 1929.92   | 1917.32   | 1899.99   |
| G 70.0 | 1683.92   | 1687.36   | 1683.75   | 1676.53   | 1675.32   | 1673.91   | 1675.62   | 1690.92   | 1704.86   | 1710.70   | 1704.86   | 1690.92   | 1675.62   |
| G 75.0 | 1030.72   | 977.26    | 950.22    | 949.94    | 955.82    | 966.61    | 988.31    | 1021.34   | 1036.95   | 1028.79   | 1036.95   | 1021.34   | 988.31    |
| G 80.0 | 996.61    | 991.73    | 989.44    | 991.95    | 1000.04   | 1010.15   | 1023.95   | 1045.22   | 1061.59   | 1069.13   | 1061.59   | 1045.22   | 1023.95   |
| G 85.0 | 1657.79   | 1636.14   | 1632.08   | 1645.83   | 1664.28   | 1689.67   | 1729.25   | 1784.39   | 1830.30   | 1859.52   | 1830.30   | 1784.39   | 1729.25   |
| G 90.0 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |



**Luminaire**

Code TC-0349-BLA  
 Name Downlight led 16W 3000K

**Measurerm.**

Code CL116A17F081G  
 Name Downlight led 16W 3000K

|                |            |                 |               |          |               |            |                    |
|----------------|------------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149.33 lm | Luminaire Power | 15.09 W       | Efficacy | 76.17 lm/W    | Efficiency | 100.00%            |
| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**Luminance cd/m2 Table 2/3**

|        | C 130.00  | C 140.00  | C 150.00  | C 160.00  | C 170.00  | C 180.00  | C 190.00  | C 200.00  | C 210.00  | C 220.00  | C 230.00  | C 240.00  | C 250.00  |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| G 0.0  | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 |
| G 5.0  | 112755.07 | 112829.74 | 112834.90 | 112852.17 | 112870.42 | 112877.29 | 112870.42 | 112852.17 | 112834.90 | 112829.74 | 112755.07 | 112641.54 | 112613.64 |
| G 10.0 | 110755.27 | 110761.71 | 110704.55 | 110666.26 | 110649.81 | 110641.73 | 110649.81 | 110666.26 | 110704.55 | 110761.71 | 110755.27 | 110727.74 | 110804.02 |
| G 15.0 | 108082.27 | 108160.36 | 108143.82 | 108128.81 | 108065.29 | 107939.61 | 108065.29 | 108128.81 | 108143.82 | 108160.36 | 108082.27 | 107964.15 | 107980.44 |
| G 20.0 | 106390.07 | 106474.20 | 106468.98 | 106526.71 | 106542.19 | 106454.21 | 106542.19 | 106526.71 | 106468.98 | 106474.20 | 106390.07 | 106221.40 | 106315.09 |
| G 25.0 | 96429.16  | 96393.60  | 96017.54  | 96369.96  | 96398.57  | 95674.02  | 96398.57  | 96369.96  | 96017.54  | 96393.60  | 96429.16  | 96007.06  | 96094.96  |
| G 30.0 | 77092.79  | 77233.49  | 77219.45  | 77320.13  | 77455.61  | 77513.81  | 77455.61  | 77320.13  | 77219.45  | 77233.49  | 77092.79  | 76797.37  | 77244.44  |
| G 35.0 | 61126.83  | 61005.25  | 60764.22  | 61003.58  | 61126.18  | 60866.88  | 61126.18  | 61003.58  | 60764.22  | 61005.25  | 61126.83  | 61017.41  | 61146.05  |
| G 40.0 | 39139.43  | 39166.89  | 38648.64  | 39237.01  | 39704.81  | 39846.63  | 39704.81  | 39237.01  | 38648.64  | 39166.89  | 39139.43  | 38668.88  | 39461.27  |
| G 45.0 | 8308.32   | 8287.67   | 8121.50   | 8203.77   | 8278.31   | 8288.34   | 8278.31   | 8203.77   | 8121.50   | 8287.67   | 8308.32   | 8223.32   | 8443.80   |
| G 50.0 | 3665.73   | 3647.25   | 3637.27   | 3689.48   | 3720.23   | 3696.79   | 3720.23   | 3689.48   | 3637.27   | 3647.25   | 3665.73   | 3667.44   | 3679.92   |
| G 55.0 | 2757.35   | 2746.72   | 2737.09   | 2749.28   | 2766.21   | 2777.27   | 2766.21   | 2749.28   | 2737.09   | 2746.72   | 2757.35   | 2765.31   | 2784.54   |
| G 60.0 | 2253.82   | 2257.21   | 2258.59   | 2277.35   | 2286.47   | 2276.58   | 2286.47   | 2277.35   | 2258.59   | 2257.21   | 2253.82   | 2254.65   | 2279.59   |
| G 65.0 | 1905.43   | 1910.89   | 1911.26   | 1912.20   | 1917.56   | 1932.21   | 1917.56   | 1912.20   | 1911.26   | 1910.89   | 1905.43   | 1899.99   | 1917.32   |
| G 70.0 | 1673.91   | 1675.32   | 1676.53   | 1683.75   | 1687.36   | 1683.92   | 1687.36   | 1683.75   | 1676.53   | 1675.32   | 1673.91   | 1675.62   | 1690.92   |
| G 75.0 | 966.61    | 955.82    | 949.94    | 950.22    | 977.26    | 1030.72   | 977.26    | 950.22    | 949.94    | 955.82    | 966.61    | 988.31    | 1021.34   |
| G 80.0 | 1010.15   | 1000.04   | 991.95    | 989.44    | 991.73    | 996.61    | 991.73    | 989.44    | 991.95    | 1000.04   | 1010.15   | 1023.95   | 1045.22   |
| G 85.0 | 1689.67   | 1664.28   | 1645.83   | 1632.08   | 1636.14   | 1657.79   | 1636.14   | 1632.08   | 1645.83   | 1664.28   | 1689.67   | 1729.25   | 1784.39   |
| G 90.0 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |



**Luminaire**

Code TC-0349-BLA  
Name Downlight led 16W 3000K

**Measur.**

Code CL116A17F081G  
Name Downlight led 16W 3000K

|                |            |                 |               |          |               |            |                    |
|----------------|------------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149.33 lm | Luminaire Power | 15.09 W       | Efficacy | 76.17 lm/W    | Efficiency | 100.00%            |
| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**Luminance cd/m2 Table 3/3**

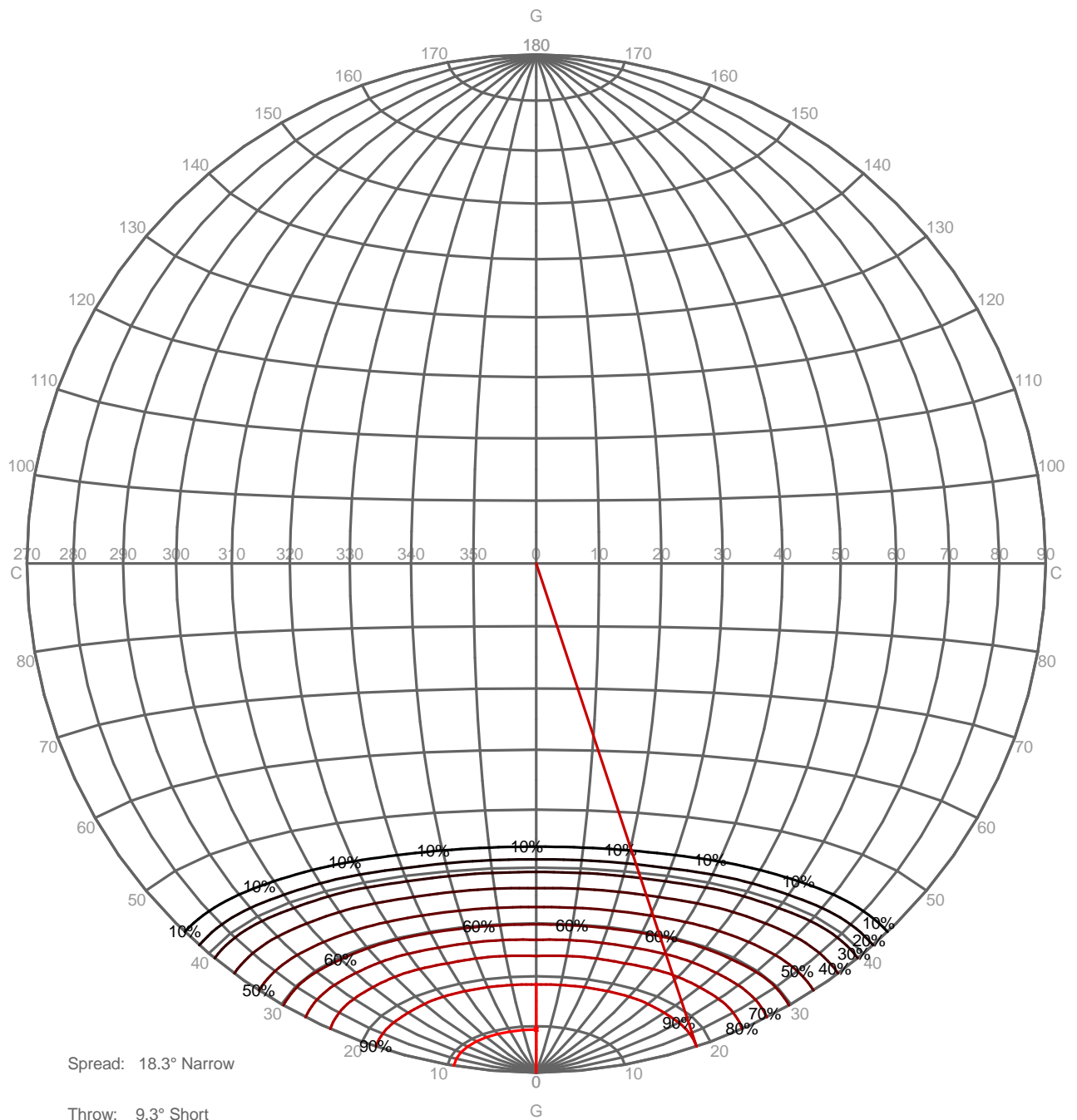
|        | C 260.00  | C 270.00  | C 280.00  | C 290.00  | C 300.00  | C 310.00  | C 320.00  | C 330.00  | C 340.00  | C 350.00  |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| G 0.0  | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 | 113152.14 |
| G 5.0  | 112630.16 | 112648.09 | 112630.16 | 112613.64 | 112641.54 | 112755.07 | 112829.74 | 112834.90 | 112852.17 | 112870.42 |
| G 10.0 | 110848.23 | 110852.80 | 110848.23 | 110804.02 | 110727.74 | 110755.27 | 110761.71 | 110704.55 | 110666.26 | 110649.81 |
| G 15.0 | 108036.42 | 108063.80 | 108036.42 | 107980.44 | 107964.15 | 108082.27 | 108160.36 | 108143.82 | 108128.81 | 108065.29 |
| G 20.0 | 106379.74 | 106274.21 | 106379.74 | 106315.09 | 106221.40 | 106390.07 | 106474.20 | 106468.98 | 106526.71 | 106542.19 |
| G 25.0 | 96052.78  | 95568.34  | 96052.78  | 96094.96  | 96007.06  | 96429.16  | 96393.60  | 96017.54  | 96369.96  | 96398.57  |
| G 30.0 | 77487.01  | 77143.67  | 77487.01  | 77244.44  | 76797.37  | 77092.79  | 77233.49  | 77219.45  | 77320.13  | 77455.61  |
| G 35.0 | 61145.01  | 60860.71  | 61145.01  | 61146.05  | 61017.41  | 61126.83  | 61005.25  | 60764.22  | 61003.58  | 61126.18  |
| G 40.0 | 39897.34  | 39263.56  | 39897.34  | 39461.27  | 38668.88  | 39139.43  | 39166.89  | 38648.64  | 39237.01  | 39704.81  |
| G 45.0 | 8518.07   | 8268.41   | 8518.07   | 8443.80   | 8223.32   | 8308.32   | 8287.67   | 8121.50   | 8203.77   | 8278.31   |
| G 50.0 | 3688.13   | 3684.63   | 3688.13   | 3679.92   | 3667.44   | 3665.73   | 3647.25   | 3637.27   | 3689.48   | 3720.23   |
| G 55.0 | 2793.30   | 2784.67   | 2793.30   | 2784.54   | 2765.31   | 2757.35   | 2746.72   | 2737.09   | 2749.28   | 2766.21   |
| G 60.0 | 2289.78   | 2271.97   | 2289.78   | 2279.59   | 2254.65   | 2253.82   | 2257.21   | 2258.59   | 2277.35   | 2286.47   |
| G 65.0 | 1929.92   | 1925.99   | 1929.92   | 1917.32   | 1899.99   | 1905.43   | 1910.89   | 1911.26   | 1912.20   | 1917.56   |
| G 70.0 | 1704.86   | 1710.70   | 1704.86   | 1690.92   | 1675.62   | 1673.91   | 1675.32   | 1676.53   | 1683.75   | 1687.36   |
| G 75.0 | 1036.95   | 1028.79   | 1036.95   | 1021.34   | 988.31    | 966.61    | 955.82    | 949.94    | 950.22    | 977.26    |
| G 80.0 | 1061.59   | 1069.13   | 1061.59   | 1045.22   | 1023.95   | 1010.15   | 1000.04   | 991.95    | 989.44    | 991.73    |
| G 85.0 | 1830.30   | 1859.52   | 1830.30   | 1784.39   | 1729.25   | 1689.67   | 1664.28   | 1645.83   | 1632.08   | 1636.14   |
| G 90.0 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

**Luminaire**  
 Code TC-0349-BLA  
 Name Downlight led 16W 3000K  
**Measur.**  
 Code CL116A17F081G  
 Name Downlight led 16W 3000K

|                |            |                 |               |          |               |            |                    |
|----------------|------------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149.33 lm | Luminaire Power | 15.09 W       | Efficacy | 76.17 lm/W    | Efficiency | 100.00%            |
| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**PERCENTAGE ISOCANDLES**

Projection: Equal Area SLI 10.1 Tight Tilting Angle:0°

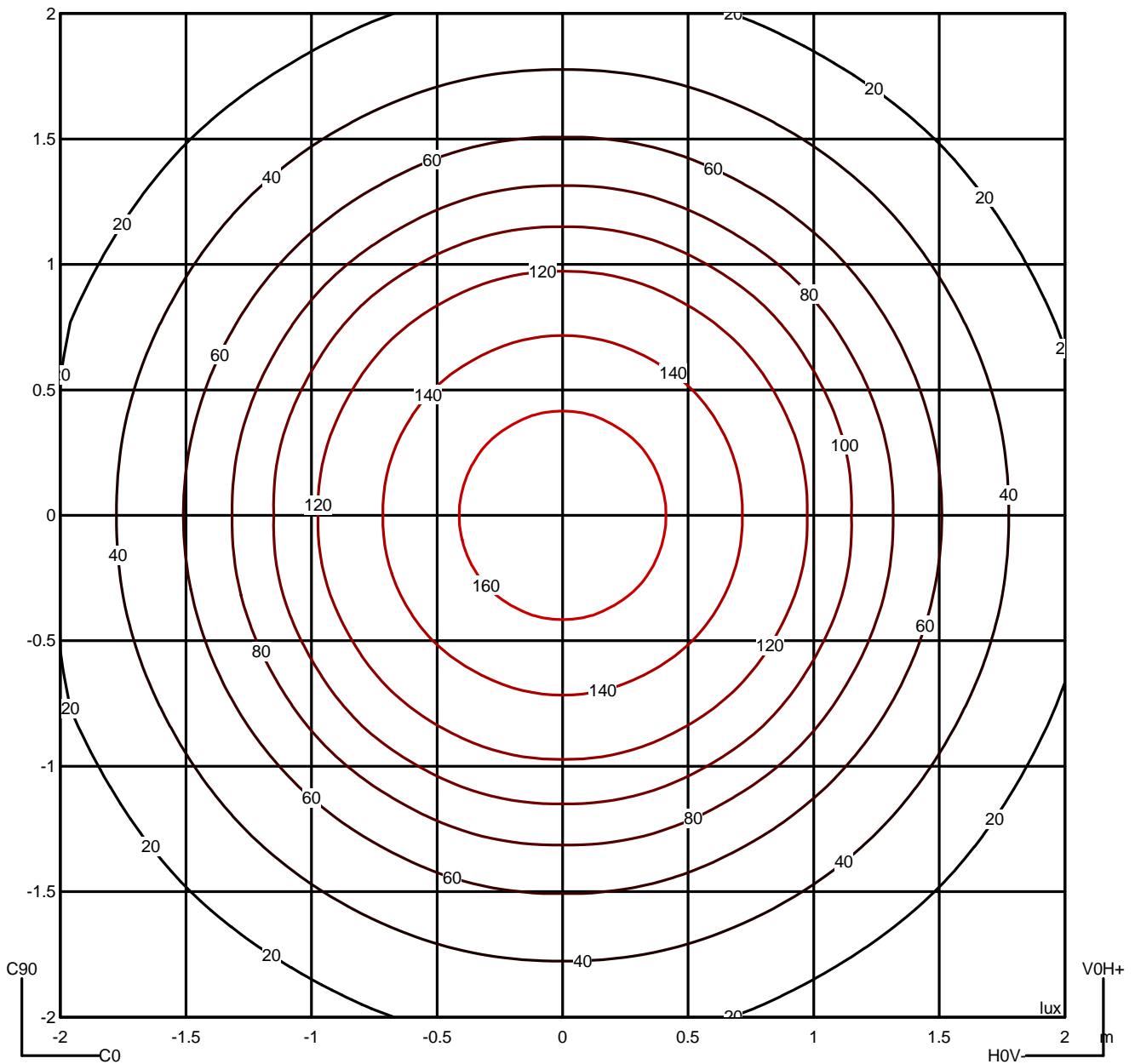


**Luminaire**  
 Code TC-0349-BLA  
 Name Downlight led 16W 3000K  
**Measur.**  
 Code CL116A17F081G  
 Name Downlight led 16W 3000K

|                |            |                 |               |          |               |            |                    |
|----------------|------------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149.33 lm | Luminaire Power | 15.09 W       | Efficacy | 76.17 lm/W    | Efficiency | 100.00%            |
| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

Isolux (Floor)

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



**Luminaire**

Code TC-0349-BLA  
 Name Downlight led 16W 3000K

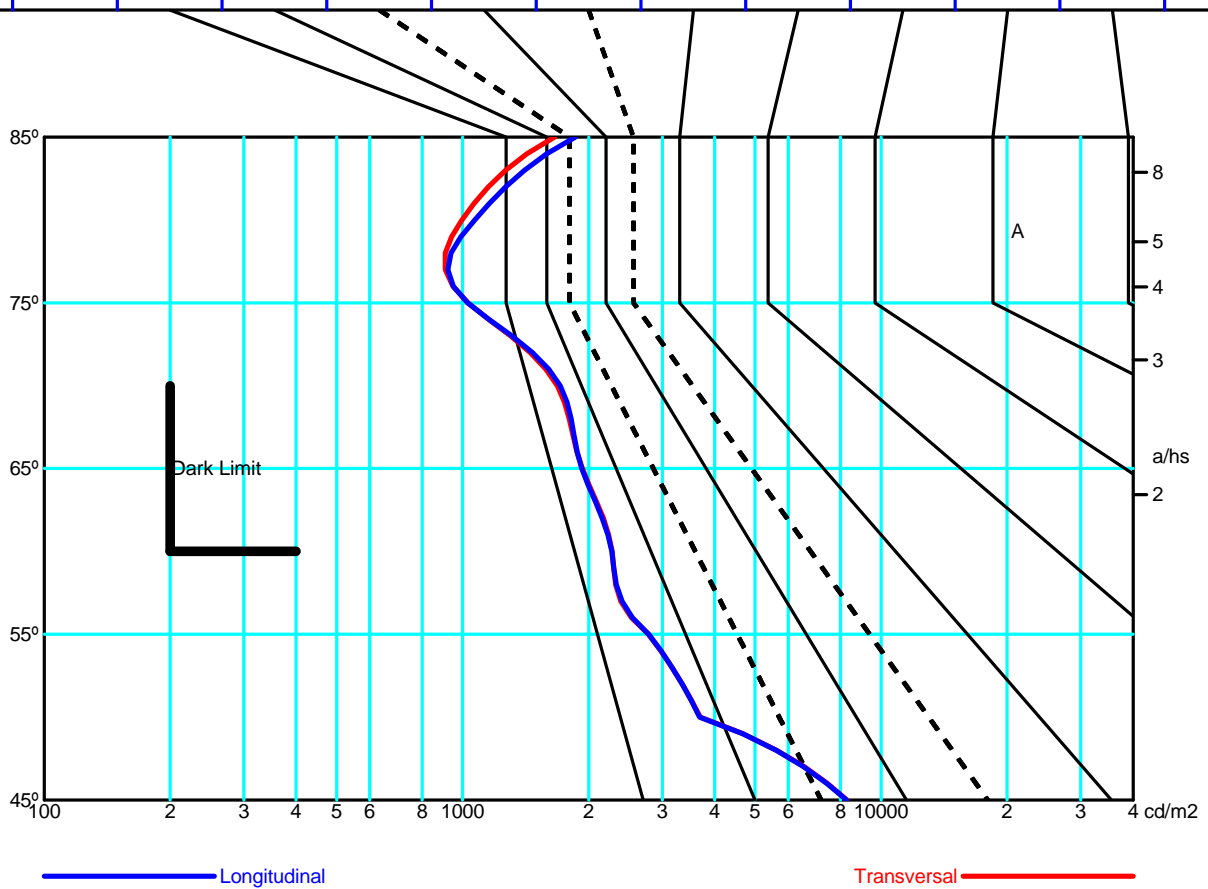
**Measur.**

Code CL116A17F081G  
 Name Downlight led 16W 3000K

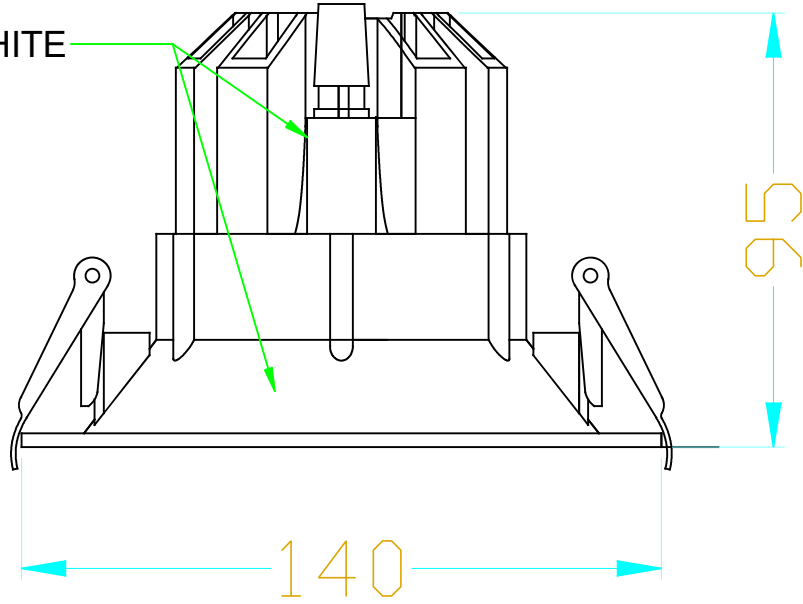
|                |            |                 |               |          |               |            |                    |
|----------------|------------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 1149.33 lm | Luminaire Power | 15.09 W       | Efficacy | 76.17 lm/W    | Efficiency | 100.00%            |
| Lamps Flux     | 1149.33 lm | Maximum value   | 935.61 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

| Average Luminance [cd/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |      |     |
|--|------|------|------|------|------|------|------|------|------|-----|
|  | 45°  | 50°  | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  |     |
| 0.0°                                   | 8288 | 3697 | 2777 | 2277 | 1932 | 1684 | 1031 | 997  | 1658 | --- |
| 90.0°                                  | 8268 | 3685 | 2785 | 2272 | 1926 | 1711 | 1029 | 1069 | 1860 | --- |

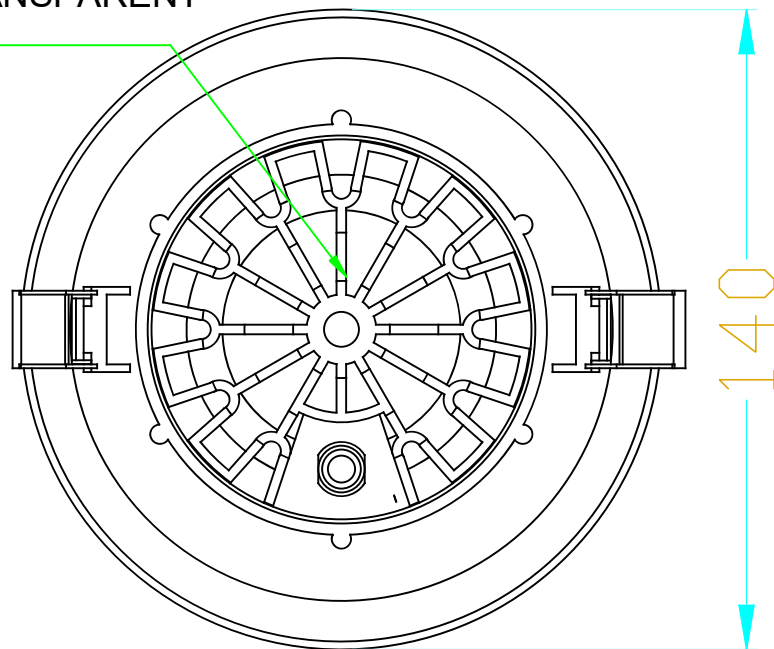
| Flush mounted or longitudinal view |   |                  |      |      |      |     |      |      |      |      |      |      |
|------------------------------------|---|------------------|------|------|------|-----|------|------|------|------|------|------|
|                                    |   | Illumination(lx) |      |      |      |     |      |      |      |      |      |      |
| A                                  | A | 2000             | 1000 | 750  | 500  |     | <300 |      |      |      |      | 1.15 |
| B                                  | 1 |                  | 2000 | 1500 | 1000 | 750 | 500  | <300 |      |      |      | 1.5  |
| C                                  |   |                  |      |      | 2000 |     | 1000 | 500  | <300 |      |      | 1.85 |
| D                                  | 2 |                  |      |      |      |     | 2000 | 1000 | 500  | <300 |      | 2.2  |
| E                                  | 3 |                  |      |      |      |     |      | 2000 | 1000 | 500  | <300 | 2.55 |



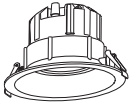
ALUMINUM / WHITE



GLASS / TRANSPARENT



Ø120MM



**Dorit**  
TC-0349 TC-0350

**FOR**  
LIGHT

