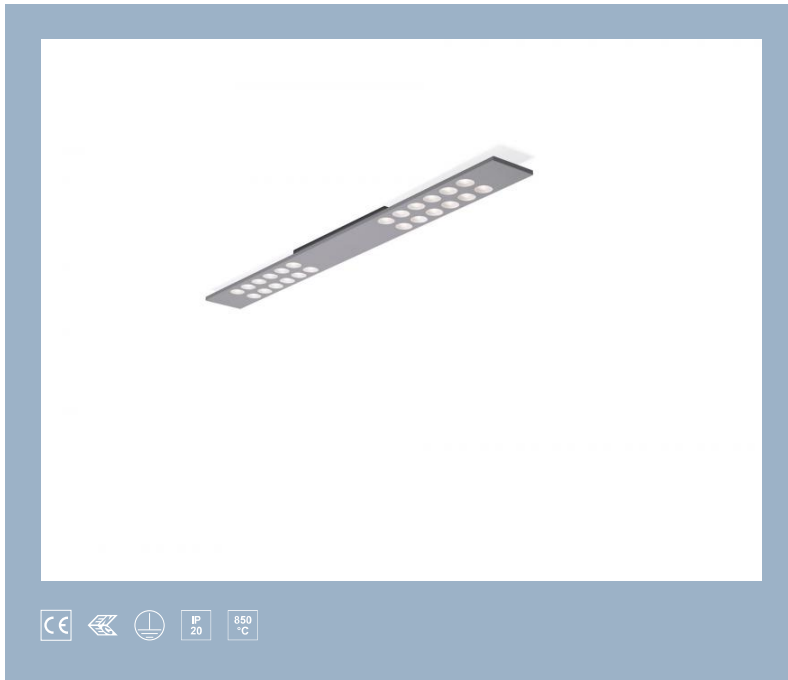


# R710R1/LEDW2425DEX2



**luminária de montagem saliente • linear**

**aplicação :** Escritório, Saúde, Ensino, Horeca, Retalho, Lazer

**base:** aço lacada

**fonte de luz :** high power LED • 3000 K

**óptica :** LED+LENS™ • Polycarbonate (PC) lens and cup • extensiva média

**classificação UGR :** <=16

**fluxo luminoso:** 2600 lm

**fluxo luminoso específico :** 130 lm/W

**LLMF:** 98% @ 50khrs (Tq=25°C)

## Product information

### Medidas

**dimensões :** 1500 mm x 150 mm x 50 mm

**cor:** RAL9006 - alumínio branco (texturado)

**tipo :** luminária individual

**IP:** IP20

### Equipamento eléctrico

**driver:** DALI regulável, com sistema de controlo da iluminação em função da luz natural ELS

**consumo de corrente :** 20 W

**tensão :** 220-240V

**frequência :** 50-60Hz AC

**segurança fotobiológica :** EN 62471: RISK GROUP 1 UNLIMITED



## Luminance

fluxo luminoso : 2600 lm

fluxo luminoso específico : 130 lm/W

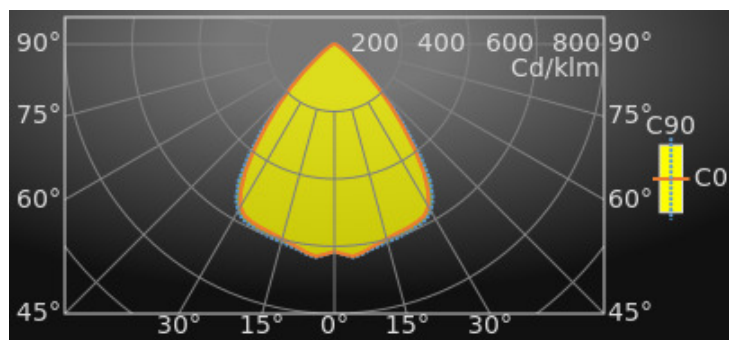
luminância @ 65° : 1000 cd/m<sup>2</sup>

classificação UGR <=16

área luminosa : 0.12 m<sup>2</sup>

Average Luminances (Cd/m<sup>2</sup>) for 2600lm

| Gamma | C0   | C30  | C45  | C60  | C90  |
|-------|------|------|------|------|------|
| 45°   | 5761 | 6104 | 5733 | 6172 | 6178 |
| 50°   | 2833 | 3008 | 2816 | 3094 | 3296 |
| 55°   | 1523 | 1501 | 1438 | 1575 | 1659 |
| 60°   | 889  | 928  | 878  | 950  | 950  |
| 65°   | 626  | 657  | 613  | 655  | 680  |
| 70°   | 497  | 514  | 490  | 515  | 537  |
| 75°   | 421  | 435  | 416  | 450  | 452  |
| 80°   | 355  | 383  | 353  | 388  | 417  |
| 85°   | 243  | 304  | 243  | 305  | 344  |



## Classificações

CIE: 818 / 980 / 997 / 1000 / 1000

CIE FLUXCODE : 0.82 / 0.98 / 1.00 / 1.00 / 1.00

BZ: BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN\_U: Phi u = 1.00

DIN\_SU: Phi su = 0.75

UTE: 1.00 B + 0.00 T



## Intensidades luminosas em cd

Lifetime Data (Tq=25.0°C)

| Time(khrs) | LLMF(%) | Cx(%) |
|------------|---------|-------|
| 10         | 100     | 2     |
| 20         | 99      | 4     |
| 30         | 99      | 6     |
| 40         | 99      | 8     |
| 50         | 99      | 10    |
| 60         | 98      | 12    |

Intensity for 2600lm

| Gamma | C0     | C45    | C90    |
|-------|--------|--------|--------|
| 0°    | 1600.7 | 1600.7 | 1600.7 |
| 5°    | 1643.0 | 1641.9 | 1650.2 |
| 10°   | 1595.8 | 1603.4 | 1610.5 |
| 15°   | 1555.3 | 1568.6 | 1582.3 |
| 20°   | 1530.1 | 1541.3 | 1563.9 |
| 25°   | 1511.3 | 1524.8 | 1542.5 |
| 30°   | 1448.7 | 1490.0 | 1489.7 |
| 35°   | 1195.4 | 1255.9 | 1290.6 |
| 40°   | 804.0  | 830.6  | 875.2  |
| 45°   | 479.0  | 476.7  | 513.8  |
| 50°   | 214.2  | 212.8  | 249.1  |
| 55°   | 102.7  | 97.0   | 111.9  |
| 60°   | 52.3   | 51.6   | 55.8   |
| 65°   | 31.1   | 30.5   | 33.8   |
| 70°   | 20.0   | 19.7   | 21.6   |
| 75°   | 12.8   | 12.7   | 13.8   |
| 80°   | 7.3    | 7.2    | 8.5    |
| 85°   | 2.5    | 2.5    | 3.5    |
| 90°   | 0.4    | 0.6    | 0.9    |

## classificação UGR

Corrected Glare Ratings for a Total Lamp Flux of 2600lm (S = 0.25H)

| Ceiling<br>Walls<br>Floor   | Room Reflection Factors (%) |      |      |      |      |                |      |      |      |      |
|---|-----------------------------|------|------|------|------|----------------|------|------|------|------|
|   | 70                          | 70   | 50   | 50   | 30   | 70             | 70   | 50   | 50   | 30   |
|   | 50                          | 30   | 50   | 30   | 30   | 50             | 30   | 50   | 30   | 30   |
|   | 20                          | 20   | 20   | 20   | 20   | 20             | 20   | 20   | 20   | 20   |
| Room Dimensions   | Viewed Crosswise            |      |      |      |      | Viewed Endwise |      |      |      |      |
| X = 2H Y = 2H   | 14.8                        | 16.3 | 15.1 | 16.6 | 16.9 | 14.9           | 16.4 | 15.2 | 16.6 | 16.9 |
| Y = 3H  | 14.7                        | 16.1 | 15.1 | 16.3 | 16.6 | 14.8           | 16.1 | 15.1 | 16.4 | 16.7 |
| Y = 4H  | 14.7                        | 15.9 | 15.0 | 16.2 | 16.5 | 14.7           | 16.0 | 15.1 | 16.3 | 16.6 |
| Y = 6H  | 14.6                        | 15.7 | 15.0 | 16.1 | 16.4 | 14.7           | 15.8 | 15.0 | 16.1 | 16.4 |
| Y = 8H  | 14.6                        | 15.7 | 15.0 | 16.0 | 16.3 | 14.6           | 15.7 | 15.0 | 16.0 | 16.4 |
| Y = 12H   | 14.6                        | 15.6 | 14.9 | 15.9 | 16.3 | 14.6           | 15.6 | 15.0 | 16.0 | 16.3 |
| X = 4H Y = 2H   | 14.6                        | 15.9 | 15.0 | 16.2 | 16.5 | 14.7           | 15.9 | 15.0 | 16.2 | 16.5 |
| Y = 3H  | 14.6                        | 15.6 | 15.0 | 15.9 | 16.3 | 14.6           | 15.7 | 15.0 | 16.0 | 16.3 |
| Y = 4H  | 14.6                        | 15.5 | 15.0 | 15.8 | 16.2 | 14.6           | 15.5 | 15.0 | 15.9 | 16.2 |
| Y = 6H  | 14.5                        | 15.3 | 14.9 | 15.7 | 16.1 | 14.6           | 15.4 | 15.0 | 15.7 | 16.1 |
| Y = 8H  | 14.5                        | 15.2 | 14.9 | 15.6 | 16.0 | 14.5           | 15.3 | 15.0 | 15.7 | 16.1 |
| Y = 12H   | 14.5                        | 15.1 | 14.9 | 15.6 | 16.0 | 14.5           | 15.2 | 15.0 | 15.6 | 16.1 |
| X = 8H Y = 4H   | 14.5                        | 15.2 | 14.9 | 15.6 | 16.0 | 14.5           | 15.3 | 15.0 | 15.6 | 16.1 |
| Y = 6H  | 14.4                        | 15.1 | 14.9 | 15.5 | 16.0 | 14.5           | 15.1 | 15.0 | 15.5 | 16.0 |
| Y = 8H  | 14.4                        | 15.0 | 14.9 | 15.4 | 15.9 | 14.5           | 15.0 | 15.0 | 15.5 | 16.0 |
| Y = 12H   | 14.4                        | 14.9 | 14.9 | 15.4 | 15.9 | 14.5           | 14.9 | 14.9 | 15.4 | 15.9 |
| X = 12H Y = 4H  | 14.4                        | 15.1 | 14.9 | 15.5 | 16.0 | 14.5           | 15.2 | 14.9 | 15.6 | 16.0 |
| Y = 6H  | 14.4                        | 15.0 | 14.9 | 15.4 | 15.9 | 14.5           | 15.0 | 14.9 | 15.5 | 15.9 |
| Y = 8H  | 14.4                        | 14.9 | 14.9 | 15.4 | 15.9 | 14.4           | 14.9 | 14.9 | 15.4 | 15.9 |
| <b>UGR Variations with Observer Position for Luminaire Spacings S</b> |                             |      |      |      |      |                |      |      |      |      |
| S = 1.0H  | +2.6                        |      | -5.6 |      |      | +2.5           |      | -5.8 |      |      |
| S = 1.5H  | +4.7                        |      | -7.7 |      |      | +4.7           |      | -7.6 |      |      |
| S = 2.0H  | +6.6                        |      | -8.6 |      |      | +6.7           |      | -8.6 |      |      |



## Colour properties

Correlated Colour Temperature : 3000

Ra: 80

## Eficiência

Utilisation Factors according to IES (%)

|         | Room Reflection Factors (%) |     |     |     |     |     |    |    |    |    |
|---------|-----------------------------|-----|-----|-----|-----|-----|----|----|----|----|
| Ceiling | 80                          | 80  | 80  | 50  | 50  | 50  | 30 | 30 | 30 | 0  |
| Walls   | 50                          | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 | 0  |
| Floor   | 20                          | 20  | 20  | 20  | 20  | 20  | 20 | 20 | 20 | 0  |
| RCR = 1 | 109                         | 107 | 106 | 103 | 101 | 100 | 99 | 98 | 97 | 91 |
| 2       | 100                         | 96  | 93  | 94  | 92  | 90  | 91 | 89 | 87 | 83 |
| 3       | 91                          | 86  | 83  | 87  | 83  | 80  | 84 | 81 | 79 | 75 |
| 4       | 84                          | 78  | 74  | 80  | 76  | 72  | 78 | 74 | 71 | 68 |
| 5       | 77                          | 71  | 66  | 74  | 69  | 65  | 72 | 68 | 64 | 62 |
| 6       | 71                          | 64  | 60  | 68  | 63  | 59  | 67 | 62 | 59 | 56 |
| 7       | 66                          | 59  | 54  | 63  | 58  | 54  | 62 | 57 | 53 | 51 |
| 8       | 61                          | 54  | 50  | 59  | 53  | 49  | 58 | 53 | 49 | 47 |
| 9       | 57                          | 50  | 46  | 55  | 49  | 45  | 54 | 49 | 45 | 43 |
| 10      | 53                          | 46  | 42  | 51  | 46  | 42  | 50 | 45 | 42 | 40 |

Utilisation Factors according to LiTG (%)

|          | Room Reflection Factors (%) |     |     |     |     |     |     |    |    |    |
|----------|-----------------------------|-----|-----|-----|-----|-----|-----|----|----|----|
| Ceiling  | 80                          | 80  | 80  | 50  | 50  | 50  | 50  | 50 | 30 | 0  |
| Walls    | 50                          | 30  | 50  | 30  | 50  | 30  | 50  | 30 | 30 | 0  |
| Floor    | 30                          | 30  | 10  | 10  | 30  | 30  | 10  | 10 | 10 | 0  |
| k = 0.60 | 65                          | 57  | 62  | 56  | 63  | 56  | 60  | 55 | 55 | 50 |
| 0.80     | 77                          | 69  | 72  | 66  | 74  | 68  | 70  | 66 | 65 | 60 |
| 1.00     | 84                          | 77  | 78  | 73  | 81  | 75  | 76  | 72 | 71 | 67 |
| 1.25     | 94                          | 87  | 86  | 82  | 89  | 84  | 84  | 80 | 80 | 75 |
| 1.50     | 99                          | 93  | 90  | 86  | 94  | 89  | 88  | 84 | 84 | 79 |
| 2.00     | 106                         | 100 | 94  | 91  | 99  | 95  | 92  | 89 | 88 | 84 |
| 2.50     | 111                         | 105 | 98  | 95  | 103 | 99  | 95  | 93 | 92 | 88 |
| 3.00     | 115                         | 110 | 100 | 98  | 106 | 103 | 98  | 96 | 95 | 91 |
| 4.00     | 118                         | 114 | 102 | 100 | 108 | 105 | 99  | 97 | 96 | 92 |
| 5.00     | 120                         | 117 | 103 | 102 | 110 | 108 | 100 | 99 | 98 | 94 |



## Esboço

