

R811R1/LEDW25D

pendelarmatuur • langwerpig

toepassing : kantoor, gezondheidszorg, onderwijs, horeca, retail, vrije tijd

lichtbron : LED LP • 3000 K

optiek : Diffusor • HaloOptics® voor hoge efficiëntie • breedstralend

UGR classificatie : <=25

lichtstroom: 2450 lm

efficiëntie : 117 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)



Mechanische eigenschappen

afmetingen : 787 mm x 80 mm x 121 mm

kleur: RAL9003-sigitaalwit (structuurlak)

type : individueel armatuur

Luminantie

lichtstroom : 2450 lm

efficiëntie : 117 lm/W

UGR classificatie: <=25

lichtgevende oppervlakte : 0.06 m²

Elektrische uitrusting

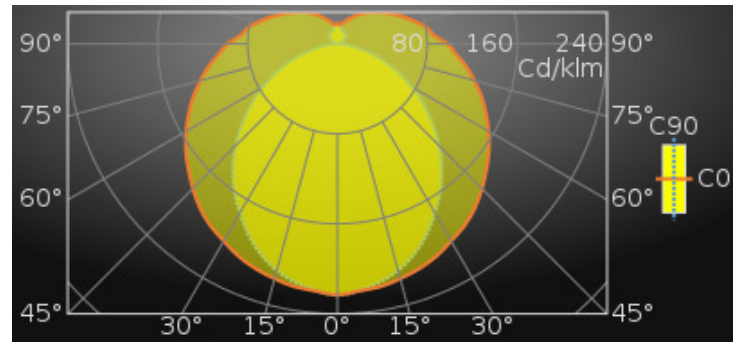
driver: DALI dimbaar

opgenomen vermogen : 21 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : IEC/TR 62778: RG 0



Average Luminances (Cd/m²) for 2450lm

| Gamma | C0 | C30 | C45 | C60 | C90 |
|-------|------|------|------|------|------|
| 45° | 5127 | 5115 | 5142 | 5328 | 7107 |
| 50° | 4906 | 4867 | 4865 | 4984 | 6776 |
| 55° | 4723 | 4648 | 4589 | 4646 | 6421 |
| 60° | 4547 | 4432 | 4343 | 4327 | 6010 |
| 65° | 4396 | 4256 | 4124 | 4023 | 5567 |
| 70° | 4267 | 4093 | 3943 | 3764 | 5074 |
| 75° | 4134 | 3961 | 3790 | 3548 | 4454 |

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Classificaties

CIE: 300 / 522 / 679 / 788 / 1000

CIE FLUXCODE : 0.38 / 0.66 / 0.86 / 0.79 / 1.00

BZ: BZ10/1.25/BZ5/1.5/BZ10

CAE: CAE 4/5°/CAE 3/25°/CAE 2/75°/CAE 3

DIN: B30 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.79

DIN_SU: Phi su = 0.45

DIN_SO: Phi so = 0.42

UTE: 0.79 H + 0.21 T

Lichtsterkten in cd

Lifetime Data (Tq=25.0°C)

| Time (khrs) | LLMF | LSF |
|-------------|------|------|
| 10.0 | 0.99 | 0.98 |
| 20.0 | 0.98 | 0.96 |
| 30.0 | 0.97 | 0.94 |
| 40.0 | 0.97 | 0.92 |
| 50.0 | 0.96 | 0.90 |
| 60.0 | 0.95 | 0.88 |

Intensity for 2450lm

| Gamma | C0 | C45 | C90 | Gamma | C0 | C45 | C90 |
|-------|-------|-------|-------|-------|-------|-------|------|
| 0° | 547.1 | 547.1 | 547.1 | 90° | 240.3 | 156.4 | 2.9 |
| 5° | 540.2 | 539.2 | 538.9 | 95° | 211.1 | 135.0 | 2.7 |
| 10° | 536.8 | 532.1 | 527.6 | 100° | 199.2 | 125.8 | 4.4 |
| 15° | 529.4 | 520.9 | 511.5 | 105° | 179.9 | 113.4 | 6.8 |
| 20° | 521.2 | 505.4 | 488.0 | 110° | 163.1 | 102.4 | 10.0 |
| 25° | 510.4 | 484.9 | 458.8 | 115° | 146.4 | 92.8 | 13.4 |
| 30° | 495.8 | 462.3 | 424.8 | 120° | 131.9 | 84.7 | 16.7 |
| 35° | 483.1 | 437.9 | 391.5 | 125° | 118.8 | 77.6 | 19.3 |
| 40° | 466.2 | 410.9 | 354.6 | 130° | 107.3 | 71.4 | 22.6 |
| 45° | 445.7 | 382.3 | 312.8 | 135° | 97.0 | 65.4 | 25.8 |
| 50° | 424.4 | 354.6 | 271.1 | 140° | 87.3 | 60.3 | 27.6 |
| 55° | 403.4 | 325.1 | 229.2 | 145° | 77.1 | 56.0 | 29.0 |
| 60° | 380.4 | 296.6 | 187.0 | 150° | 68.4 | 51.4 | 28.5 |
| 65° | 357.4 | 268.9 | 146.4 | 155° | 60.1 | 47.5 | 29.2 |
| 70° | 334.2 | 242.9 | 108.0 | 160° | 53.2 | 43.6 | 28.4 |
| 75° | 308.9 | 218.2 | 71.7 | 165° | 47.4 | 40.1 | 33.6 |
| 80° | 285.5 | 194.8 | 40.3 | 170° | 42.5 | 39.7 | 39.1 |
| 85° | 259.8 | 172.0 | 14.2 | 175° | 42.4 | 42.2 | 42.6 |
| 90° | 240.3 | 156.4 | 2.9 | 180° | 44.6 | 44.6 | 44.6 |

UGR classificatie

Corrected Glare Ratings for a Total Lamp Flux of 2450lm

| Room Dimensions | Room Reflection Factors (%) | | | | | | | | | | |
|--|-----------------------------|------------------|------|------|------|------|----------------|------|------|------|----|
| | Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| | Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | | Viewed Crosswise | | | | | Viewed Endwise | | | | |
| X = 2H Y = 2H | 17.1 | 18.5 | 17.7 | 19.1 | 19.7 | 15.8 | 17.2 | 16.4 | 17.9 | 18.4 | |
| Y = 3H | 19.1 | 20.5 | 19.8 | 21.1 | 21.7 | 17.1 | 18.4 | 17.7 | 19.0 | 19.6 | |
| Y = 4H | 20.2 | 21.4 | 20.8 | 22.1 | 22.7 | 17.5 | 18.8 | 18.2 | 19.4 | 20.0 | |
| Y = 6H | 21.2 | 22.3 | 21.8 | 23.0 | 23.6 | 17.8 | 19.0 | 18.4 | 19.6 | 20.3 | |
| Y = 8H | 21.7 | 22.8 | 22.3 | 23.5 | 24.1 | 17.9 | 19.0 | 18.5 | 19.7 | 20.3 | |
| Y = 12H | 22.1 | 23.2 | 22.8 | 23.9 | 24.5 | 17.9 | 18.9 | 18.5 | 19.6 | 20.3 | |
| X = 4H Y = 2H | 17.6 | 18.8 | 18.2 | 19.5 | 20.1 | 16.6 | 17.8 | 17.2 | 18.5 | 19.1 | |
| Y = 3H | 19.9 | 21.0 | 20.6 | 21.7 | 22.3 | 18.1 | 19.2 | 18.8 | 19.9 | 20.5 | |
| Y = 4H | 21.1 | 22.1 | 21.8 | 22.8 | 23.4 | 18.7 | 19.7 | 19.4 | 20.4 | 21.1 | |
| Y = 6H | 22.3 | 23.2 | 23.0 | 23.9 | 24.6 | 19.1 | 20.0 | 19.9 | 20.8 | 21.4 | |
| Y = 8H | 22.9 | 23.7 | 23.6 | 24.4 | 25.1 | 19.3 | 20.1 | 20.0 | 20.8 | 21.5 | |
| Y = 12H | 23.4 | 24.2 | 24.2 | 25.0 | 25.7 | 19.3 | 20.1 | 20.0 | 20.8 | 21.5 | |
| X = 8H Y = 4H | 21.4 | 22.2 | 22.1 | 22.9 | 23.6 | 19.4 | 20.2 | 20.1 | 20.9 | 21.6 | |
| Y = 6H | 22.8 | 23.5 | 23.6 | 24.3 | 25.0 | 20.1 | 20.8 | 20.8 | 21.6 | 22.3 | |
| Y = 8H | 23.6 | 24.2 | 24.3 | 25.0 | 25.7 | 20.4 | 21.0 | 21.1 | 21.8 | 22.5 | |
| Y = 12H | 24.3 | 24.9 | 25.1 | 25.7 | 26.4 | 20.5 | 21.1 | 21.3 | 21.9 | 22.7 | |
| X = 12H Y = 4H | 21.4 | 22.1 | 22.1 | 22.9 | 23.6 | 19.5 | 20.3 | 20.2 | 21.0 | 21.7 | |
| Y = 6H | 22.9 | 23.5 | 23.7 | 24.3 | 25.0 | 20.4 | 21.0 | 21.1 | 21.8 | 22.5 | |
| Y = 8H | 23.7 | 24.3 | 24.5 | 25.1 | 25.8 | 20.8 | 21.3 | 21.5 | 22.1 | 22.9 | |
| UGR Variations with Observer Position for Luminaire Spacings S | | | | | | | | | | | |
| S = 1.0H | +0.1 | | -0.1 | | +0.1 | | -0.1 | | | | |
| S = 1.5H | +0.2 | | -0.2 | | +0.1 | | -0.2 | | | | |
| S = 2.0H | +0.2 | | -0.3 | | +0.3 | | -0.4 | | | | |

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Kleureigenschappen

Correlated Colour Temperature : 3000

Ra: 80

Rendement

Utilisation Factors according to IES (%)

| | Room Reflection Factors (%) | | | | | | | | | |
|---------|-----------------------------|----|----|----|----|----|----|----|----|----|
| | 80 | 80 | 80 | 50 | 50 | 50 | 30 | 30 | 30 | 0 |
| 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 | 94 | 90 | 88 | 81 | 79 | 77 | 74 | 72 | 70 | 60 |
| 2 | 81 | 75 | 70 | 69 | 65 | 62 | 63 | 59 | 56 | 48 |
| 3 | 70 | 63 | 58 | 60 | 55 | 51 | 55 | 50 | 47 | 39 |
| 4 | 62 | 54 | 48 | 53 | 47 | 43 | 48 | 43 | 39 | 33 |
| 5 | 55 | 47 | 41 | 48 | 41 | 37 | 43 | 38 | 34 | 28 |
| 6 | 50 | 41 | 35 | 43 | 36 | 32 | 39 | 34 | 29 | 24 |
| 7 | 45 | 36 | 31 | 39 | 32 | 28 | 36 | 30 | 26 | 22 |
| 8 | 41 | 33 | 27 | 36 | 29 | 25 | 33 | 27 | 23 | 19 |
| 9 | 37 | 29 | 24 | 33 | 26 | 22 | 30 | 25 | 21 | 17 |
| 10 | 34 | 27 | 22 | 30 | 24 | 20 | 28 | 22 | 19 | 15 |

Utilisation Factors according to LiTG (%)

| | Room Reflection Factors (%) | | | | | | | | | |
|----------|-----------------------------|----|----|----|----|----|----|----|----|----|
| | 80 | 80 | 80 | 50 | 50 | 50 | 50 | 50 | 30 | 0 |
| 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 | 41 | 32 | 39 | 31 | 36 | 29 | 35 | 28 | 26 | 19 |
| 0.80 | 51 | 41 | 48 | 39 | 44 | 37 | 42 | 36 | 33 | 25 |
| 1.00 | 59 | 49 | 55 | 46 | 51 | 43 | 48 | 42 | 39 | 30 |
| 1.25 | 67 | 57 | 62 | 54 | 58 | 51 | 55 | 49 | 45 | 36 |
| 1.50 | 74 | 64 | 67 | 59 | 63 | 56 | 59 | 54 | 50 | 40 |
| 2.00 | 82 | 73 | 74 | 67 | 70 | 64 | 65 | 60 | 56 | 46 |
| 2.50 | 89 | 80 | 79 | 72 | 76 | 70 | 70 | 65 | 61 | 51 |
| 3.00 | 94 | 86 | 82 | 77 | 80 | 74 | 74 | 69 | 65 | 54 |
| 4.00 | 100 | 93 | 86 | 82 | 84 | 80 | 77 | 74 | 68 | 58 |
| 5.00 | 104 | 98 | 89 | 85 | 88 | 84 | 80 | 77 | 72 | 61 |

Maatschets

