

V3RB10M/N5M0D0X0



opbouwarmatuur • langwerpig

toepassing : Werkruimten, Auditoria, Algemene onderwijsruimten, Ruimten voor algemene gezondheidszorg

behuizing: gelakt aluminium

lichtbron : led • 4000 K

optiek : Shielded lens • Zwart polycarbonaat (PC) • middelbreedstralend

UGR classificatie : <=19

lichtstroom: 4700 lm

efficiëntie : 126 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)

Product information

Mechanische eigenschappen

afmetingen : 2283 mm x 60 mm x 90 mm

kleur: RAL9005 - gitzwart (structuurlak)

type : individueel armatuur

IP: IP20

IK: IK07

Elektrische uitrusting

driver: DALI dimbaar

opgenomen vermogen : 37.3 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 1 UNLIMITED

Luminantie

lichtstroom : 4700 lm

efficiëntie : 126 lm/W

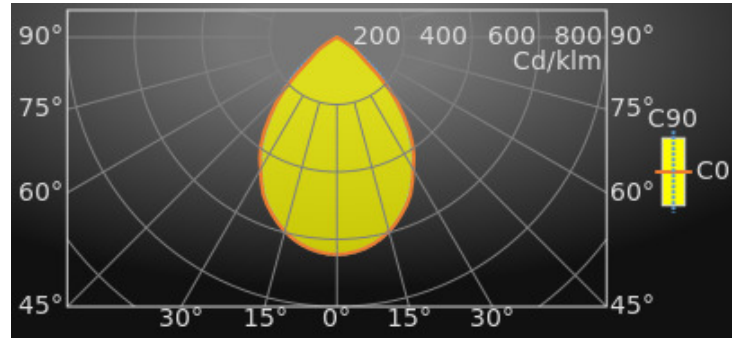
luminantie @ 65° <= : 3000 cd/m²

UGR classificatie <= : <=19

lichtgevende oppervlakte : 0.13 m²

Average Luminances (Cd/m²) for 4700lm

| Gamma | C0 | C30 | C45 | C60 | C90 |
|-------|-------|-------|-------|-------|-------|
| 45° | 11599 | 13608 | 14299 | 13438 | 11830 |
| 50° | 6106 | 10318 | 11577 | 10841 | 8647 |
| 55° | 4254 | 5740 | 8440 | 7689 | 4289 |
| 60° | 1078 | 3703 | 4519 | 3445 | 1558 |
| 65° | 0 | 698 | 1805 | 1169 | 811 |
| 70° | 0 | 1 | 105 | 325 | 179 |
| 75° | 0 | 0 | 0 | 0 | 47 |
| 80° | 0 | 0 | 0 | 0 | 85 |
| 85° | 0 | 0 | 0 | 0 | 34 |



Classificaties

CIE: 739 / 985 / 1000 / 1000 / 1000

CIE FLUXCODE : 0.74 / 0.99 / 1.00 / 1.00 / 1.00

BZ: BZ2/0.8/BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.73

UTE: 1.00 B + 0.00 T

Lifetime Data (Tq=25.0°C)

| Time(khrs) | LLMF(%) | Cx(%) |
|------------|---------|-------|
| 10 | 99 | 2 |
| 20 | 98 | 4 |
| 30 | 98 | 6 |
| 40 | 97 | 8 |
| 50 | 96 | 10 |
| 60 | 95 | 12 |

UGR classificatie <=

Corrected Glare Ratings for a Total Lamp Flux of 4700lm (S = 0.25H)

| | Room Reflection Factors (%) | | | | | | | | | | | | | | |
|---|-----------------------------|-------|-------|------|------|----------------|-------|------|------|------|----|----|----|----|----|
| | Ceiling | Walls | Floor | 70 | 70 | 50 | 50 | 30 | 30 | 70 | 70 | 50 | 50 | 30 | 30 |
| | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 50 | 30 | 50 | 30 | 50 | 30 |
| | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room Dimensions | Viewed Crosswise | | | | | Viewed Endwise | | | | | | | | | |
| X = 2H Y = 2H | 17.8 | 19.3 | 18.1 | 19.6 | 19.8 | 18.1 | 19.6 | 18.4 | 19.9 | 20.1 | | | | | |
| Y = 3H | 17.6 | 19.0 | 18.0 | 19.3 | 19.6 | 17.9 | 19.3 | 18.3 | 19.6 | 19.9 | | | | | |
| Y = 4H | 17.5 | 18.8 | 17.9 | 19.1 | 19.4 | 17.9 | 19.1 | 18.2 | 19.4 | 19.7 | | | | | |
| Y = 6H | 17.5 | 18.6 | 17.8 | 18.9 | 19.3 | 17.8 | 18.9 | 18.1 | 19.3 | 19.6 | | | | | |
| Y = 8H | 17.4 | 18.6 | 17.8 | 18.9 | 19.2 | 17.7 | 18.9 | 18.1 | 19.2 | 19.5 | | | | | |
| Y = 12H | 17.4 | 18.5 | 17.8 | 18.8 | 19.1 | 17.7 | 18.8 | 18.1 | 19.1 | 19.4 | | | | | |
| X = 4H Y = 2H | 17.8 | 19.1 | 18.1 | 19.4 | 19.7 | 18.0 | 19.3 | 18.4 | 19.6 | 19.9 | | | | | |
| Y = 3H | 17.6 | 18.7 | 18.0 | 19.0 | 19.4 | 17.9 | 19.0 | 18.3 | 19.3 | 19.7 | | | | | |
| Y = 4H | 17.6 | 18.5 | 18.0 | 18.9 | 19.2 | 17.8 | 18.8 | 18.2 | 19.1 | 19.5 | | | | | |
| Y = 6H | 17.5 | 18.3 | 17.9 | 18.7 | 19.1 | 17.8 | 18.6 | 18.2 | 19.0 | 19.4 | | | | | |
| Y = 8H | 17.5 | 18.2 | 17.9 | 18.6 | 19.0 | 17.7 | 18.5 | 18.2 | 18.9 | 19.3 | | | | | |
| Y = 12H | 17.4 | 18.1 | 17.9 | 18.5 | 19.0 | 17.7 | 18.4 | 18.2 | 18.8 | 19.2 | | | | | |
| X = 8H Y = 4H | 17.5 | 18.2 | 17.9 | 18.6 | 19.0 | 17.7 | 18.5 | 18.2 | 18.9 | 19.3 | | | | | |
| Y = 6H | 17.4 | 18.0 | 17.9 | 18.5 | 18.9 | 17.7 | 18.3 | 18.1 | 18.7 | 19.2 | | | | | |
| Y = 8H | 17.4 | 17.9 | 17.8 | 18.4 | 18.9 | 17.6 | 18.2 | 18.1 | 18.6 | 19.1 | | | | | |
| Y = 12H | 17.3 | 17.8 | 17.8 | 18.3 | 18.8 | 17.6 | 18.1 | 18.1 | 18.6 | 19.1 | | | | | |
| X = 12H Y = 4H | 17.4 | 18.1 | 17.9 | 18.5 | 19.0 | 17.7 | 18.4 | 18.2 | 18.8 | 19.2 | | | | | |
| Y = 6H | 17.4 | 17.9 | 17.8 | 18.4 | 18.9 | 17.6 | 18.2 | 18.1 | 18.6 | 19.1 | | | | | |
| Y = 8H | 17.3 | 17.8 | 17.8 | 18.3 | 18.8 | 17.6 | 18.1 | 18.1 | 18.6 | 19.1 | | | | | |
| UGR Variations with Observer Position for Luminaire Spacings S | | | | | | | | | | | | | | | |
| S = 1.0H | +1.7 | | -3.5 | | +1.3 | | -3.3 | | | | | | | | |
| S = 1.5H | +3.1 | | -16.5 | | +2.5 | | -12.2 | | | | | | | | |
| S = 2.0H | +4.6 | | -76.4 | | +4.1 | | -17.1 | | | | | | | | |

Lichtsterkten in cd

Intensity for 4700lm

| Gamma | C0 | C45 | C90 |
|-------|--------|--------|--------|
| 0° | 3030.7 | 3030.7 | 3030.7 |
| 5° | 3003.6 | 2999.9 | 3001.5 |
| 10° | 2930.9 | 2921.0 | 2924.7 |
| 15° | 2804.0 | 2806.3 | 2799.3 |
| 20° | 2631.7 | 2644.3 | 2613.6 |
| 25° | 2424.7 | 2440.8 | 2390.9 |
| 30° | 2126.3 | 2194.1 | 2107.6 |
| 35° | 1850.7 | 1927.8 | 1777.6 |
| 40° | 1456.7 | 1628.0 | 1419.9 |
| 45° | 1047.2 | 1290.9 | 1068.0 |
| 50° | 501.1 | 950.1 | 709.7 |
| 55° | 311.5 | 618.1 | 314.1 |
| 60° | 68.8 | 288.5 | 99.5 |
| 65° | 0.0 | 97.4 | 43.8 |
| 70° | 0.0 | 4.6 | 7.8 |
| 75° | 0.0 | 0.0 | 1.6 |
| 80° | 0.0 | 0.0 | 1.9 |
| 85° | 0.0 | 0.0 | 0.4 |
| 90° | 0.0 | 0.0 | 0.0 |

Kleureigenschappen

Correlated Colour Temperature : 4000

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 | 109 | 107 | 105 | 102 | 101 | 100 | 99 | 97 | 97 | 91 |
| 2 | 99 | 95 | 92 | 94 | 91 | 89 | 91 | 88 | 86 | 82 |
| 3 | 90 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 73 |
| 4 | 82 | 76 | 72 | 78 | 74 | 70 | 76 | 72 | 69 | 66 |
| 5 | 75 | 69 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 59 |
| 6 | 69 | 62 | 58 | 66 | 61 | 57 | 65 | 60 | 56 | 54 |
| 7 | 64 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 51 | 49 |
| 8 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 50 | 47 | 45 |
| 9 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 10 | 51 | 44 | 40 | 49 | 44 | 40 | 49 | 43 | 39 | 38 |

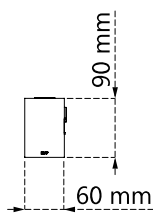
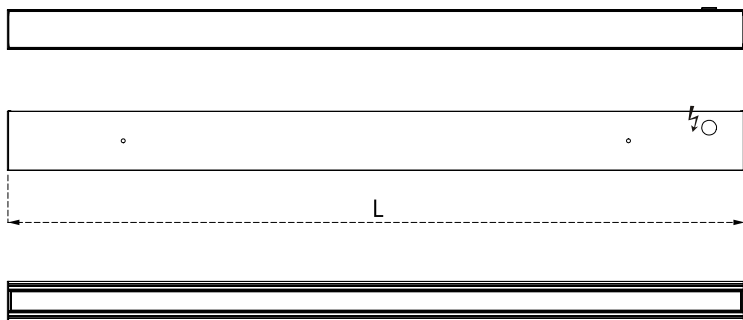
Utilisation Factors according to LiTG (%)

| | 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 | 62 | 55 | 59 | 53 | 60 | 54 | 58 | 53 | 52 | 47 |
| 0.80 | 74 | 67 | 70 | 64 | 71 | 65 | 68 | 63 | 63 | 57 |
| 1.00 | 83 | 75 | 77 | 71 | 79 | 73 | 75 | 70 | 70 | 65 |
| 1.25 | 92 | 85 | 85 | 80 | 87 | 82 | 82 | 79 | 78 | 73 |
| 1.50 | 98 | 91 | 89 | 85 | 92 | 87 | 86 | 83 | 82 | 78 |
| 2.00 | 105 | 99 | 94 | 90 | 98 | 93 | 91 | 88 | 87 | 83 |
| 2.50 | 110 | 104 | 97 | 94 | 102 | 98 | 94 | 92 | 91 | 87 |
| 3.00 | 114 | 109 | 100 | 97 | 105 | 102 | 97 | 95 | 94 | 90 |
| 4.00 | 117 | 113 | 101 | 99 | 108 | 105 | 98 | 97 | 95 | 92 |
| 5.00 | 120 | 117 | 103 | 101 | 110 | 107 | 100 | 99 | 97 | 94 |

Accessoires

V3H2500 *Beugel voor plafondmontage*

Maatschets



| CODE | L |
|-------------|---------|
| V3WD*0*/*2* | 560 mm |
| V3WD*0*/*3* | 843 mm |
| V3WD*0*/*4* | 1123 mm |
| V3WD*0*/*5* | 1403 mm |
| V3WD*0*/*6* | 1683 mm |
| V3WD*0*/*7* | 1963 mm |
| V3WD*0*/*8* | 2243 mm |
| V3WD*0*/*9* | 2523 mm |
| V3WD*0*/*0* | 2803 mm |