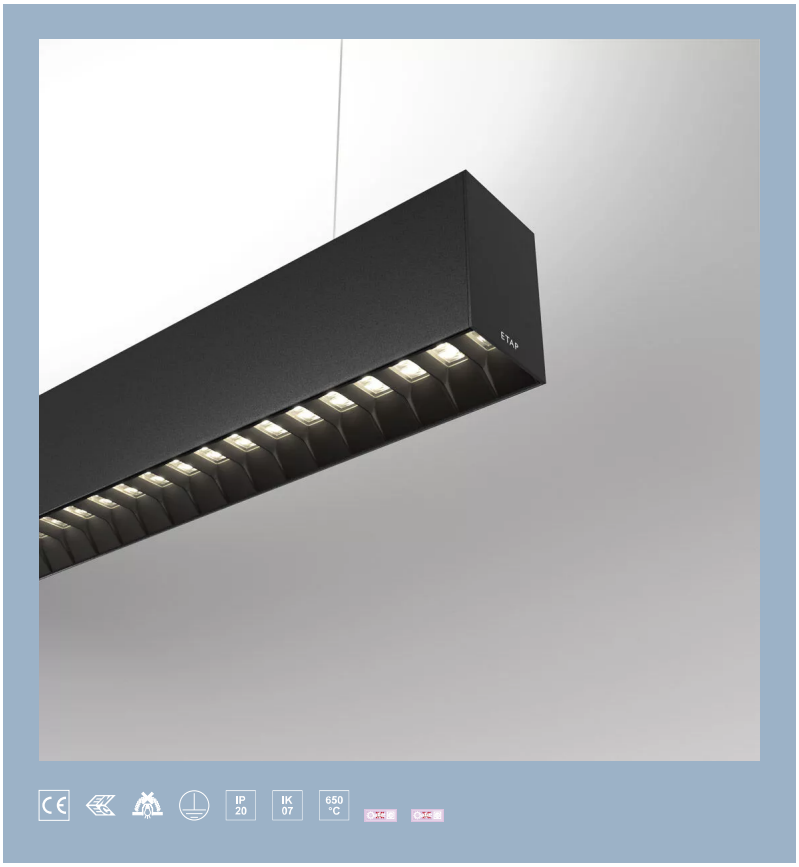
# V3SB10M/W4MMD0X0



**suspended luminaire • linear**

Application : Workspaces, Auditoria, General education area’s, General healthcare area’s

housing: lacquered aluminium

light source : LED • 3000 K

optics : Shielded lens • black polycarbonate (PC) • medium wide-angle

UGR classification : <=16

luminous flux: 6750 lm

luminous efficacy : 129 lm/W

LLMF: 94% @ 50khrs (Tq=25°C)

## Product information

### Mechanical properties

dimensions : 1827 mm x 60 mm x 90 mm

colour: RAL9005 - jetblack (textured)

type : individual luminaire

IP: IP20

IK: IK07

### Electrical properties

driver: DALI dimmable

power : 52.5 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

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## Luminance

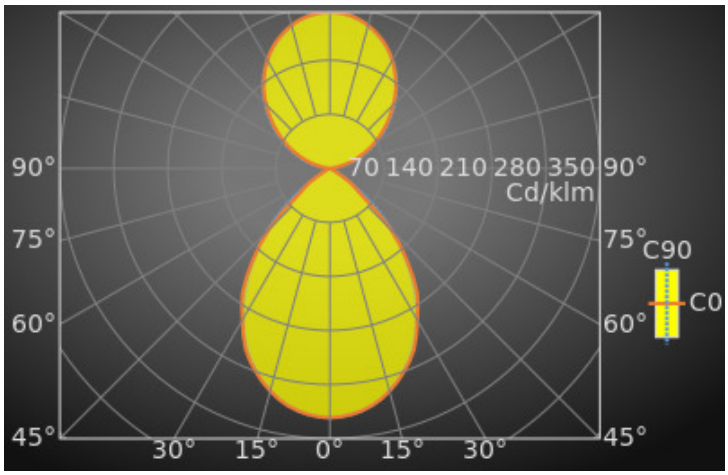
luminous flux : 6750 lm

luminous efficacy : 129 lm/W

luminance @ 65° = : 3000 cd/m²

UGR classification =: <=16

luminous area : 0.1 m²




Average Luminances (Cd/m²) for 6750lm

| Gamma | C0 | C30 | C45 | C60 | C90 |
|---|---|---|---|---|---|
| 45° | 10420 | 12226 | 12848 | 12072 | 10628 |
| 50° | 5478 | 9263 | 10397 | 9733 | 7763 |
| 55° | 3811 | 5142 | 7568 | 6889 | 3839 |
| 60° | 951 | 3307 | 4032 | 3065 | 1386 |
| 65° | 0 | 602 | 1592 | 1027 | 719 |
| 70° | 0 | 0 | 74 | 279 | 152 |
| 75° | 0 | 0 | 0 | 0 | 40 |
| 80° | 0 | 0 | 0 | 0 | 75 |
| 85° | 0 | 0 | 0 | 1 | 32 |

## Classifications

CIE: 370 / 493 / 500 / 500 / 1000

CIE FLUXCODE : 0.74 / 0.99 / 1.00 / 0.50 / 1.00

BZ: BZ2/0.8/BZ1

CAE: Symmetrical

DIN: C62 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.50

DIN_SU: Phi su = 0.73

UTE: 0.50 B + 0.50 T

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Lifetime Data (Tq=25.0°C)

| Time(khrs) | LLMF(%) | Cx(%) |
|---|---|---|
| 10 | 99 | 2 |
| 20 | 98 | 4 |
| 30 | 96 | 6 |
| 40 | 95 | 8 |
| 50 | 94 | 10 |
| 60 | 93 | 12 |

## Luminous intensities in cd

Intensity for 6750lm

| Gamma | C0 | C45 | C90 | Gamma | C0 | C45 | C90 |
|---|---|---|---|---|---|---|---|
| 0° | 2179.2 | 2179.2 | 2179.2 | 90° | 1.3 | 2.0 | 5.3 |
| 5° | 2159.8 | 2157.1 | 2158.3 | 95° | 12.2 | 18.3 | 37.2 |
| 10° | 2107.5 | 2100.3 | 2102.9 | 100° | 69.0 | 86.9 | 104.7 |
| 15° | 2016.2 | 2017.8 | 2012.8 | 105° | 153.5 | 172.6 | 187.2 |
| 20° | 1892.2 | 1901.3 | 1879.3 | 110° | 248.6 | 267.6 | 279.3 |
| 25° | 1743.4 | 1755.0 | 1719.1 | 115° | 350.0 | 368.8 | 376.6 |
| 30° | 1528.8 | 1577.6 | 1515.4 | 120° | 455.7 | 472.3 | 479.9 |
| 35° | 1330.7 | 1386.1 | 1278.1 | 125° | 564.0 | 579.9 | 585.9 |
| 40° | 1047.3 | 1170.5 | 1020.8 | 130° | 675.3 | 689.6 | 693.5 |
| 45° | 752.6 | 928.0 | 767.7 | 135° | 787.3 | 799.0 | 803.0 |
| 50° | 359.7 | 682.6 | 509.7 | 140° | 898.6 | 904.0 | 907.7 |
| 55° | 223.3 | 443.4 | 224.9 | 145° | 1000.0 | 1005.4 | 1005.7 |
| 60° | 48.6 | 205.9 | 70.8 | 150° | 1091.5 | 1094.1 | 1090.1 |
| 65° | 0.0 | 68.7 | 31.0 | 155° | 1173.8 | 1173.3 | 1165.3 |
| 70° | 0.0 | 2.6 | 5.3 | 160° | 1239.1 | 1239.8 | 1229.9 |
| 75° | 0.0 | 0.0 | 1.1 | 165° | 1295.3 | 1294.5 | 1283.6 |
| 80° | 0.0 | 0.0 | 1.3 | 170° | 1333.3 | 1331.1 | 1332.5 |
| 85° | 0.0 | 0.0 | 0.3 | 175° | 1357.5 | 1356.9 | 1356.3 |
| 90° | 1.3 | 2.0 | 5.3 | 180° | 1366.0 | 1366.0 | 1366.0 |

## UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 6750lm (S = 0.25H)

| | 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 |
| **Room Dimensions** | **Viewed Crosswise** | | | | | **Viewed Endwise** | | | | |
| X = 2H Y = 2H | 14.1 | 15.0 | 15.0 | 15.9 | 16.7 | 14.4 | 15.3 | 15.2 | 16.2 | 17.0 |
| Y = 3H | 13.8 | 14.6 | 14.7 | 15.5 | 16.3 | 14.1 | 14.9 | 15.0 | 15.8 | 16.6 |
| Y = 4H | 13.6 | 14.4 | 14.6 | 15.3 | 16.2 | 14.0 | 14.7 | 14.9 | 15.6 | 16.5 |
| Y = 6H | 13.5 | 14.1 | 14.4 | 15.1 | 16.0 | 13.8 | 14.5 | 14.7 | 15.4 | 16.3 |
| Y = 8H | 13.4 | 14.1 | 14.4 | 15.0 | 15.9 | 13.7 | 14.4 | 14.7 | 15.3 | 16.2 |
| Y = 12H | 13.4 | 14.0 | 14.3 | 14.9 | 15.8 | 13.7 | 14.3 | 14.6 | 15.2 | 16.1 |
| X = 4H Y = 2H | 13.9 | 14.6 | 14.8 | 15.5 | 16.4 | 14.1 | 14.9 | 15.1 | 15.8 | 16.7 |
| Y = 3H | 13.6 | 14.2 | 14.6 | 15.2 | 16.1 | 13.9 | 14.5 | 14.8 | 15.4 | 16.3 |
| Y = 4H | 13.4 | 14.0 | 14.4 | 14.9 | 15.8 | 13.7 | 14.2 | 14.7 | 15.2 | 16.1 |
| Y = 6H | 13.3 | 13.7 | 14.3 | 14.7 | 15.7 | 13.6 | 14.0 | 14.6 | 15.0 | 15.9 |
| Y = 8H | 13.2 | 13.6 | 14.2 | 14.6 | 15.6 | 13.5 | 13.9 | 14.5 | 14.9 | 15.8 |
| Y = 12H | 13.1 | 13.5 | 14.2 | 14.5 | 15.5 | 13.4 | 13.8 | 14.4 | 14.8 | 15.7 |
| X = 8H Y = 4H | 13.2 | 13.6 | 14.2 | 14.6 | 15.6 | 13.5 | 13.9 | 14.5 | 14.9 | 15.8 |
| Y = 6H | 13.1 | 13.4 | 14.1 | 14.4 | 15.4 | 13.3 | 13.7 | 14.4 | 14.7 | 15.7 |
| Y = 8H | 13.0 | 13.3 | 14.0 | 14.3 | 15.3 | 13.3 | 13.5 | 14.3 | 14.6 | 15.6 |
| Y = 12H | 12.9 | 13.2 | 14.0 | 14.2 | 15.2 | 13.2 | 13.4 | 14.2 | 14.5 | 15.5 |
| X = 12H Y = 4H | 13.2 | 13.5 | 14.2 | 14.5 | 15.5 | 13.4 | 13.8 | 14.4 | 14.8 | 15.7 |
| Y = 6H | 13.0 | 13.3 | 14.0 | 14.3 | 15.3 | 13.3 | 13.5 | 14.3 | 14.6 | 15.6 |
| Y = 8H | 12.9 | 13.2 | 14.0 | 14.2 | 15.2 | 13.2 | 13.4 | 14.2 | 14.5 | 15.5 |

| | UGR Variations with Observer Position for Luminaire Spacings S | | | |
|---|---|---|---|---|
| S = 1.0H | +1.7 | -3.5 | +1.3 | -3.4 |
| S = 1.5H | +3.1 | -16.7 | +2.5 | -12.3 |
| S = 2.0H | +4.6 | -59.6 | +4.1 | -17.3 |

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## Colour properties

Correlated Colour Temperature : 3000

Ra: CRI (Ra) 80

## Efficiency

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 | 97 | 95 | 94 | 76 | 75 | 74 | 64 | 63 | 62 | 46 |
| 2 | 88 | 84 | 82 | 69 | 67 | 65 | 58 | 56 | 55 | 41 |
| 3 | 79 | 74 | 71 | 63 | 60 | 57 | 53 | 51 | 49 | 37 |
| 4 | 71 | 66 | 62 | 57 | 53 | 50 | 48 | 46 | 44 | 33 |
| 5 | 64 | 58 | 54 | 52 | 48 | 45 | 44 | 41 | 39 | 30 |
| 6 | 58 | 52 | 47 | 47 | 43 | 40 | 40 | 37 | 35 | 27 |
| 7 | 53 | 46 | 42 | 43 | 39 | 35 | 37 | 34 | 31 | 24 |
| 8 | 48 | 42 | 37 | 40 | 35 | 32 | 34 | 31 | 28 | 22 |
| 9 | 44 | 38 | 33 | 37 | 32 | 29 | 32 | 28 | 26 | 20 |
| 10 | 41 | 34 | 30 | 34 | 29 | 26 | 30 | 26 | 23 | 19 |

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 | 49 | 41 | 46 | 40 | 41 | 35 | 39 | 35 | 31 | 24 |
| 0.80 | 59 | 51 | 56 | 49 | 49 | 43 | 46 | 42 | 38 | 29 |
| 1.00 | 67 | 59 | 62 | 56 | 54 | 49 | 52 | 48 | 42 | 32 |
| 1.25 | 75 | 68 | 69 | 63 | 61 | 56 | 57 | 54 | 47 | 37 |
| 1.50 | 81 | 73 | 73 | 68 | 65 | 60 | 60 | 57 | 50 | 39 |
| 2.00 | 88 | 81 | 79 | 74 | 70 | 66 | 65 | 62 | 54 | 41 |
| 2.50 | 93 | 87 | 82 | 79 | 73 | 70 | 68 | 65 | 57 | 43 |
| 3.00 | 97 | 92 | 85 | 82 | 76 | 73 | 70 | 68 | 59 | 45 |
| 4.00 | 102 | 97 | 88 | 85 | 78 | 76 | 72 | 70 | 60 | 46 |
| 5.00 | 105 | 101 | 90 | 88 | 80 | 78 | 73 | 72 | 62 | 47 |

## Available accessories

ACC-HI00-X00 *Ceiling cap for suspended luminaires (R7/R3/Ley) - 5 poles terminal block - RAL9005 Jet black*

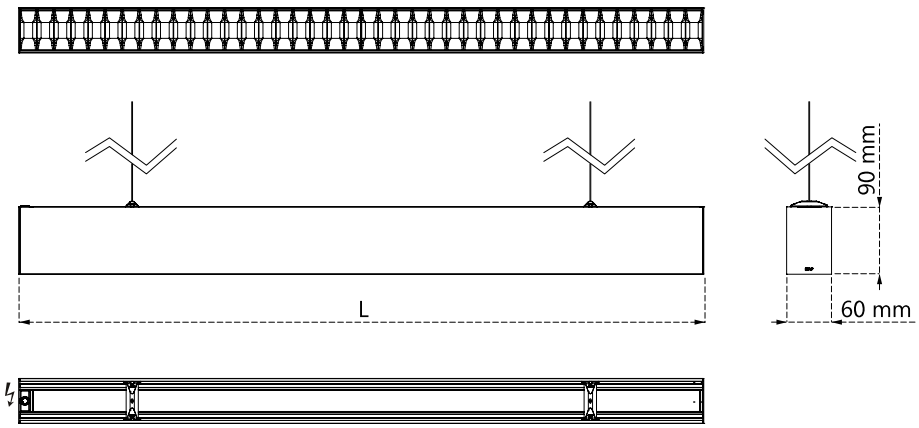
V3-HI01-5P-1500 *Suspension cables set for Ley individual - to combine with ceiling cap - 5 poles power cable - 2 steel cords - 1 cable holder - max. 1,5m*

V3-HI02-5P-1500 *Suspension cables set for Ley individual - minimalist : no ceiling cap - 5 poles power cable - 2 steel cords - 2 cable holders - max. 1,5m*

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## Dimensional drawing




| CODE | L |
|---|---|
| V3S[S,B,A]*0*/*2* | 915 mm |
| V3S[S,B,A]*0*/*3* | 1371 mm |
| V3S[S,B,A]*0*/*4* | 1827 mm |
| V3S[S,B,A]*0*/*5* | 2283 mm |
| V3S[S,B,A]*0*/*6* | 2739 mm |

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