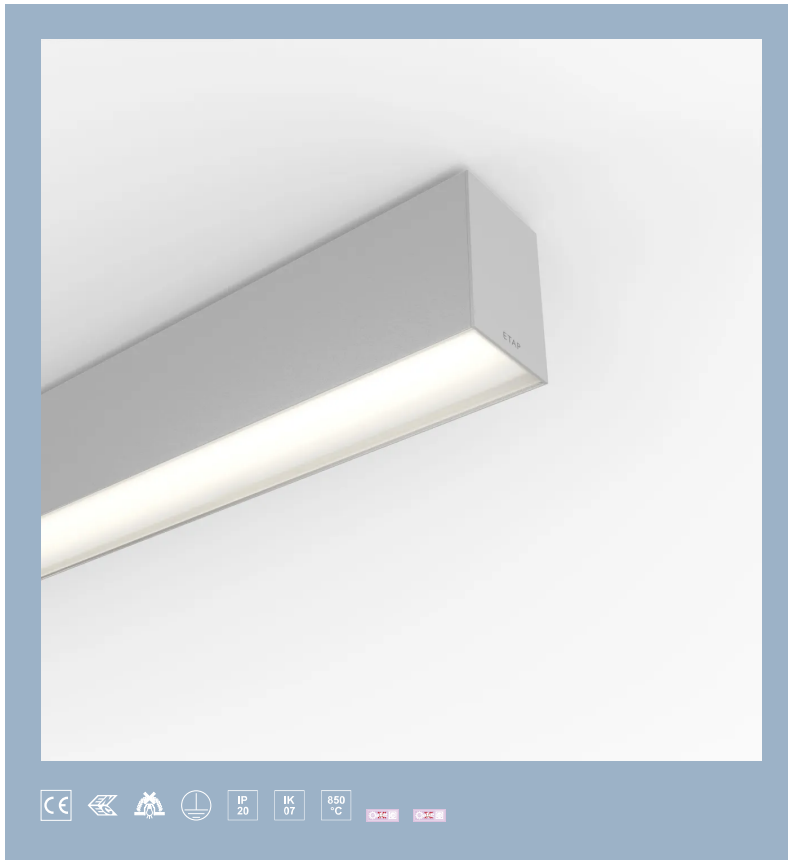


# V3RDJ0M/W8L0D0X2



## surface-mounted luminaire • linear

**Application :** Education ? Classrooms, Offices ? Reception, Offices ? Desk, Offices ? Meeting room, Offices ? Corridor

**housing:** lacquered aluminium

**light source :** LED • 3000 K

**optics :** diffuser • opal acrylic (PMMA) • wide-angle

**UGR classification :** <=25

**luminous flux:** 3600 lm

**luminous efficacy :** 117 lm/W

**LLMF:** 98% @ 50khrs (Tq=25°C)

## Product information

### Mechanical properties

**dimensions :** 2243 mm x 60 mm x 90 mm

**colour:** RAL9006 - aluminium grey

**type :** individual luminaire

**IP:** IP20

**IK:** IK07

### Electrical properties

**driver:** DALI dimmable

**power :** 30.7 W

**voltage :** 220-240V

**frequency :** 50-60Hz AC

**photobiological safety :** EN 62471: RISK GROUP 1  
UNLIMITED

Luminance

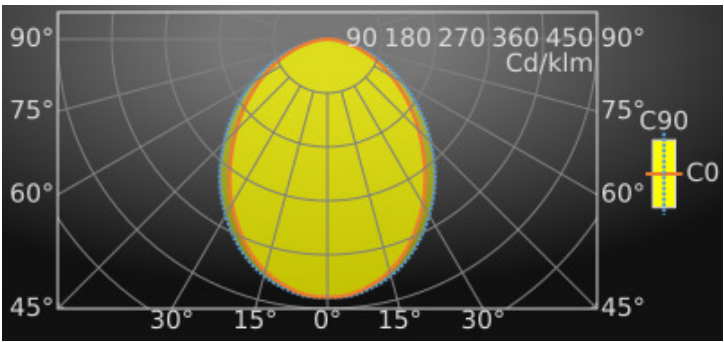
luminous flux : 3600 lm

luminous efficacy : 117 lm/W

UGR classification =: <=25

luminous area : 0.13 m²

| Average Luminances (Cd/m²) for 3600lm |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|
| Gamma                                 | C0   | C30  | C45  | C60  | C90  |
| 45°                                   | 8423 | 8696 | 8963 | 9241 | 9564 |
| 50°                                   | 7890 | 8157 | 8410 | 8725 | 9081 |
| 55°                                   | 7350 | 7594 | 7873 | 8179 | 8549 |
| 60°                                   | 6811 | 7037 | 7323 | 7627 | 8007 |
| 65°                                   | 6255 | 6491 | 6757 | 7065 | 7426 |
| 70°                                   | 5656 | 5875 | 6114 | 6421 | 6785 |
| 75°                                   | 4979 | 5143 | 5355 | 5649 | 6038 |
| 80°                                   | 4124 | 4282 | 4446 | 4693 | 5081 |
| 85°                                   | 2975 | 3146 | 3346 | 3606 | 4033 |



Classifications

CIE: 530 / 829 / 967 / 1000 / 1000

CIE FLUXCODE : 0.53 / 0.83 / 0.97 / 1.00 / 1.00

BZ: BZ4/1.25/BZ3/1.5/BZ4

CAE: Symmetrical

DIN: A40 (Nach Arbeitsblatt 7)

DIN\_U: Phi u = 1.00

DIN\_SU: Phi su = 0.59

UTE: 1.00 D + 0.00 T



Lifetime Data (Tq=25.0°C)

| Time(khrs) | LLMF(%) | Cx(%) |
|------------|---------|-------|
| 10         | 99      | 2     |
| 20         | 99      | 4     |
| 30         | 99      | 6     |
| 40         | 98      | 8     |
| 50         | 98      | 9     |
| 60         | 98      | 11    |

## Luminous intensities in cd

Intensity for 3600lm

| Gamma | C0     | C45    | C90    |
|-------|--------|--------|--------|
| 0°    | 1549.8 | 1549.8 | 1549.8 |
| 5°    | 1541.7 | 1545.1 | 1550.2 |
| 10°   | 1501.9 | 1508.9 | 1518.8 |
| 15°   | 1443.3 | 1455.0 | 1473.5 |
| 20°   | 1362.3 | 1382.1 | 1406.4 |
| 25°   | 1256.9 | 1289.5 | 1321.9 |
| 30°   | 1146.4 | 1185.1 | 1222.8 |
| 35°   | 1024.6 | 1071.8 | 1119.0 |
| 40°   | 896.0  | 948.6  | 1002.3 |
| 45°   | 773.8  | 823.4  | 878.6  |
| 50°   | 658.9  | 702.3  | 758.4  |
| 55°   | 547.7  | 586.7  | 637.1  |
| 60°   | 442.5  | 475.7  | 520.1  |
| 65°   | 343.4  | 371.0  | 407.7  |
| 70°   | 251.3  | 271.7  | 301.5  |
| 75°   | 167.4  | 180.1  | 203.0  |
| 80°   | 93.0   | 100.3  | 114.6  |
| 85°   | 33.7   | 37.9   | 45.7   |
| 90°   | 0.0    | 0.1    | 0.5    |

## UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 3600lm (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   | 19.0                                                           | 20.8 | 19.3 | 21.0 | 21.3 | 19.8           | 21.5 | 20.1 | 21.8 | 22.1 |
| Y = 3H          | 20.2                                                           | 21.8 | 20.6 | 22.1 | 22.4 | 21.1           | 22.7 | 21.4 | 23.0 | 23.3 |
| Y = 4H          | 20.6                                                           | 22.1 | 21.0 | 22.4 | 22.8 | 21.6           | 23.1 | 21.9 | 23.4 | 23.7 |
| Y = 6H          | 20.9                                                           | 22.3 | 21.3 | 22.6 | 23.0 | 21.9           | 23.3 | 22.3 | 23.6 | 24.0 |
| Y = 8H          | 21.0                                                           | 22.3 | 21.4 | 22.7 | 23.0 | 22.0           | 23.3 | 22.4 | 23.7 | 24.0 |
| Y = 12H         | 21.0                                                           | 22.3 | 21.4 | 22.6 | 23.0 | 22.0           | 23.3 | 22.4 | 23.7 | 24.0 |
| X = 4H Y = 2H   | 19.6                                                           | 21.1 | 20.0 | 21.4 | 21.8 | 20.2           | 21.7 | 20.6 | 22.0 | 22.4 |
| Y = 3H          | 21.0                                                           | 22.3 | 21.4 | 22.6 | 23.0 | 21.8           | 23.0 | 22.1 | 23.4 | 23.7 |
| Y = 4H          | 21.6                                                           | 22.7 | 22.0 | 23.1 | 23.4 | 22.4           | 23.5 | 22.8 | 23.9 | 24.3 |
| Y = 6H          | 21.9                                                           | 23.0 | 22.4 | 23.4 | 23.8 | 22.8           | 23.8 | 23.2 | 24.2 | 24.6 |
| Y = 8H          | 22.0                                                           | 23.0 | 22.5 | 23.4 | 23.8 | 22.9           | 23.9 | 23.4 | 24.3 | 24.7 |
| Y = 12H         | 22.1                                                           | 23.0 | 22.6 | 23.4 | 23.8 | 23.0           | 23.9 | 23.5 | 24.3 | 24.8 |
| X = 8H Y = 4H   | 21.8                                                           | 22.8 | 22.3 | 23.2 | 23.6 | 22.6           | 23.5 | 23.0 | 23.9 | 24.3 |
| Y = 6H          | 22.3                                                           | 23.1 | 22.8 | 23.5 | 24.0 | 23.1           | 23.9 | 23.6 | 24.3 | 24.8 |
| Y = 8H          | 22.5                                                           | 23.2 | 23.0 | 23.6 | 24.1 | 23.3           | 24.0 | 23.8 | 24.5 | 24.9 |
| Y = 12H         | 22.6                                                           | 23.2 | 23.1 | 23.7 | 24.2 | 23.4           | 24.0 | 23.9 | 24.5 | 25.0 |
| X = 12H Y = 4H  | 21.8                                                           | 22.7 | 22.3 | 23.1 | 23.6 | 22.6           | 23.4 | 23.0 | 23.8 | 24.3 |
| Y = 6H          | 22.4                                                           | 23.1 | 22.8 | 23.5 | 24.0 | 23.1           | 23.8 | 23.6 | 24.3 | 24.8 |
| Y = 8H          | 22.6                                                           | 23.2 | 23.1 | 23.6 | 24.2 | 23.4           | 24.0 | 23.9 | 24.4 | 25.0 |
|                 | UGR Variations with Observer Position for Luminaire Spacings S |      |      |      |      |                |      |      |      |      |
| S = 1.0H        | +0.1                                                           |      | -0.2 |      |      | +0.1           |      | -0.2 |      |      |
| S = 1.5H        | +0.3                                                           |      | -0.5 |      |      | +0.2           |      | -0.4 |      |      |
| S = 2.0H        | +0.5                                                           |      | -0.9 |      |      | +0.5           |      | -0.8 |      |      |

## 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                                  | 104                         | 101 | 99 | 98 | 95 | 94 | 94 | 92 | 91 | 85 |
| 2                                        | 91                          | 86  | 82 | 86 | 82 | 79 | 83 | 79 | 77 | 72 |
| 3                                        | 80                          | 74  | 69 | 76 | 71 | 67 | 73 | 69 | 66 | 62 |
| 4                                        | 72                          | 64  | 59 | 68 | 62 | 58 | 66 | 61 | 57 | 53 |
| 5                                        | 65                          | 57  | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 47 |
| 6                                        | 59                          | 51  | 45 | 56 | 49 | 44 | 54 | 48 | 44 | 41 |
| 7                                        | 53                          | 45  | 40 | 51 | 44 | 39 | 50 | 44 | 39 | 37 |
| 8                                        | 49                          | 41  | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 33 |
| 9                                        | 45                          | 38  | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 10                                       | 42                          | 34  | 30 | 40 | 34 | 29 | 39 | 33 | 29 | 27 |

| 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                                  | 51                          | 42  | 48 | 41 | 49  | 41  | 47 | 40 | 40 | 34 |
| 0.80                                      | 62                          | 53  | 58 | 51 | 59  | 51  | 56 | 50 | 49 | 43 |
| 1.00                                      | 71                          | 62  | 66 | 58 | 67  | 59  | 63 | 57 | 56 | 50 |
| 1.25                                      | 81                          | 72  | 74 | 67 | 76  | 69  | 71 | 66 | 65 | 59 |
| 1.50                                      | 87                          | 78  | 79 | 73 | 81  | 75  | 76 | 71 | 70 | 64 |
| 2.00                                      | 96                          | 88  | 85 | 80 | 89  | 83  | 82 | 78 | 77 | 71 |
| 2.50                                      | 102                         | 95  | 90 | 85 | 94  | 89  | 87 | 83 | 82 | 77 |
| 3.00                                      | 107                         | 101 | 94 | 90 | 98  | 94  | 90 | 87 | 86 | 81 |
| 4.00                                      | 112                         | 106 | 97 | 93 | 102 | 98  | 93 | 91 | 89 | 85 |
| 5.00                                      | 116                         | 111 | 99 | 96 | 105 | 102 | 96 | 94 | 92 | 88 |

Available accessories

V3H2500 *Ceiling mounting brackets*

V3H9900 *Installation file*

V3H9960 *Installation tool*



Dimensional drawing



| 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 |