

# V3RB10M/W5M0D0X0

ytmonterad armatur • rektangulär

installation : Arbetsytor, Auditorium, Allmänna utbildningslokaler, Allmänna sjukvårdslokaler

armaturhus: lackerat aluminium

ljuskälla : LED • 3000 K

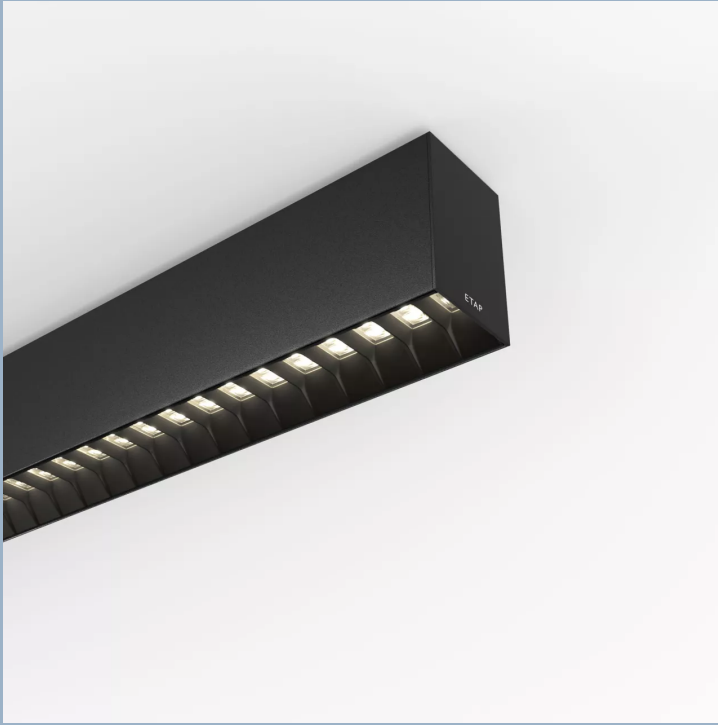
Optik : Shielded lens • Svart polykarbonathölje (PC)  
• medelbredstrålande

UGR klassificering : ≤19

ljusutbyte: 4500 lm

ljusutbyte : 121 lm/W

LLMF: 95% @ 50khrs (Tq=25°C)



## Product information

### Armatur data

dimensioner : 2283 mm x 60 mm x 90 mm

kulör: RAL9005 - svart (strukurlack)

typ : individuell armatur

IP: IP20

IK: IK07

### Elektrisk data

drivenhet: DALI reglerbar

effekt : 37.3 W

spänning : 220-240V

frekvens : 50-60Hz AC

fotobiologisk säkerhet : EN 62471: RISK GROUP 1  
UNLIMITED

## Luminance

ljusflöde : 4500 lm

ljusutbyte : 121 lm/W

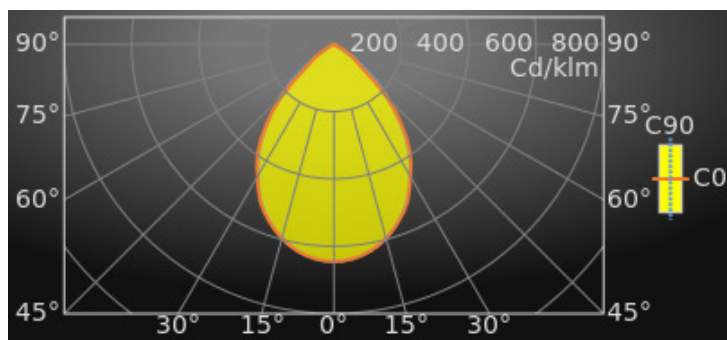
luminans @ 65° = : 3000 cd/m²

UGR klassificering =: <=19

lysande yta : 0.13 m²

Average Luminances (Cd/m²) for 4500lm

| Gamma | C0    | C30   | C45   | C60   | C90   |
|-------|-------|-------|-------|-------|-------|
| 45°   | 11106 | 13029 | 13690 | 12866 | 11326 |
| 50°   | 5846  | 9878  | 11084 | 10380 | 8280  |
| 55°   | 4073  | 5495  | 8081  | 7362  | 4107  |
| 60°   | 1032  | 3546  | 4326  | 3298  | 1492  |
| 65°   | 0     | 668   | 1729  | 1119  | 776   |
| 70°   | 0     | 1     | 100   | 311   | 171   |
| 75°   | 0     | 0     | 0     | 0     | 45    |
| 80°   | 0     | 0     | 0     | 0     | 81    |
| 85°   | 0     | 0     | 0     | 0     | 32    |



## Klassifisering

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         | 97      | 6     |
| 40         | 97      | 8     |
| 50         | 96      | 10    |
| 60         | 95      | 12    |

## Ljusstyrka i cd

Intensity for 4500lm

| Gamma | C0     | C45    | C90    |
|-------|--------|--------|--------|
| 0°    | 2901.7 | 2901.7 | 2901.7 |
| 5°    | 2875.8 | 2872.2 | 2873.8 |
| 10°   | 2806.2 | 2796.7 | 2800.2 |
| 15°   | 2684.6 | 2686.9 | 2680.2 |
| 20°   | 2519.7 | 2531.8 | 2502.4 |
| 25°   | 2321.5 | 2337.0 | 2289.2 |
| 30°   | 2035.8 | 2100.7 | 2017.9 |
| 35°   | 1772.0 | 1845.8 | 1702.0 |
| 40°   | 1394.7 | 1558.7 | 1359.4 |
| 45°   | 1002.7 | 1236.0 | 1022.6 |
| 50°   | 479.8  | 909.7  | 679.5  |
| 55°   | 298.3  | 591.8  | 300.7  |
| 60°   | 65.9   | 276.2  | 95.2   |
| 65°   | 0.0    | 93.3   | 41.9   |
| 70°   | 0.0    | 4.4    | 7.5    |
| 75°   | 0.0    | 0.0    | 1.5    |
| 80°   | 0.0    | 0.0    | 1.8    |
| 85°   | 0.0    | 0.0    | 0.4    |
| 90°   | 0.0    | 0.0    | 0.0    |

## UGR klassificering =

Corrected Glare Ratings for a Total Lamp Flux of 4500lm (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   | 17.6                                                           | 19.2 | 17.9  | 19.4 | 19.7 | 17.9           | 19.5 | 18.2  | 19.7 | 20.0 |
| Y = 3H          | 17.5                                                           | 18.8 | 17.8  | 19.1 | 19.4 | 17.8           | 19.2 | 18.1  | 19.4 | 19.7 |
| Y = 4H          | 17.4                                                           | 18.7 | 17.7  | 19.0 | 19.3 | 17.7           | 19.0 | 18.1  | 19.3 | 19.6 |
| Y = 6H          | 17.3                                                           | 18.5 | 17.7  | 18.8 | 19.1 | 17.6           | 18.8 | 18.0  | 19.1 | 19.4 |
| Y = 8H          | 17.3                                                           | 18.4 | 17.6  | 18.7 | 19.1 | 17.6           | 18.7 | 18.0  | 19.0 | 19.4 |
| Y = 12H         | 17.2                                                           | 18.3 | 17.6  | 18.6 | 19.0 | 17.6           | 18.6 | 17.9  | 19.0 | 19.3 |
| X = 4H Y = 2H   | 17.6                                                           | 18.9 | 18.0  | 19.2 | 19.5 | 17.9           | 19.2 | 18.2  | 19.5 | 19.8 |
| Y = 3H          | 17.5                                                           | 18.6 | 17.9  | 18.9 | 19.2 | 17.8           | 18.8 | 18.1  | 19.2 | 19.5 |
| Y = 4H          | 17.4                                                           | 18.4 | 17.8  | 18.7 | 19.1 | 17.7           | 18.6 | 18.1  | 19.0 | 19.3 |
| Y = 6H          | 17.4                                                           | 18.2 | 17.8  | 18.5 | 18.9 | 17.6           | 18.4 | 18.0  | 18.8 | 19.2 |
| Y = 8H          | 17.3                                                           | 18.1 | 17.8  | 18.5 | 18.9 | 17.6           | 18.3 | 18.0  | 18.7 | 19.2 |
| Y = 12H         | 17.3                                                           | 18.0 | 17.7  | 18.4 | 18.8 | 17.6           | 18.2 | 18.0  | 18.7 | 19.1 |
| X = 8H Y = 4H   | 17.3                                                           | 18.1 | 17.8  | 18.5 | 18.9 | 17.6           | 18.3 | 18.0  | 18.7 | 19.2 |
| Y = 6H          | 17.3                                                           | 17.9 | 17.7  | 18.3 | 18.8 | 17.5           | 18.1 | 18.0  | 18.6 | 19.0 |
| Y = 8H          | 17.2                                                           | 17.8 | 17.7  | 18.2 | 18.7 | 17.5           | 18.0 | 18.0  | 18.5 | 19.0 |
| Y = 12H         | 17.2                                                           | 17.7 | 17.7  | 18.1 | 18.7 | 17.5           | 17.9 | 18.0  | 18.4 | 18.9 |
| X = 12H Y = 4H  | 17.3                                                           | 18.0 | 17.7  | 18.4 | 18.8 | 17.6           | 18.2 | 18.0  | 18.7 | 19.1 |
| Y = 6H          | 17.2                                                           | 17.8 | 17.7  | 18.2 | 18.7 | 17.5           | 18.0 | 18.0  | 18.5 | 19.0 |
| Y = 8H          | 17.2                                                           | 17.7 | 17.7  | 18.1 | 18.7 | 17.5           | 17.9 | 18.0  | 18.4 | 18.9 |
|                 | 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 |      |      |

## Colour properties

Correlated Colour Temperature : 3000

Ra: CRI (Ra) 80

Verkningsgrad

| 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 | 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 (%) |     |     |     |     |     |     |    |    |    |
| 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 |

Tillbehör

V3H2500 Fästen för takmontage



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Måttskiss



| 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 |