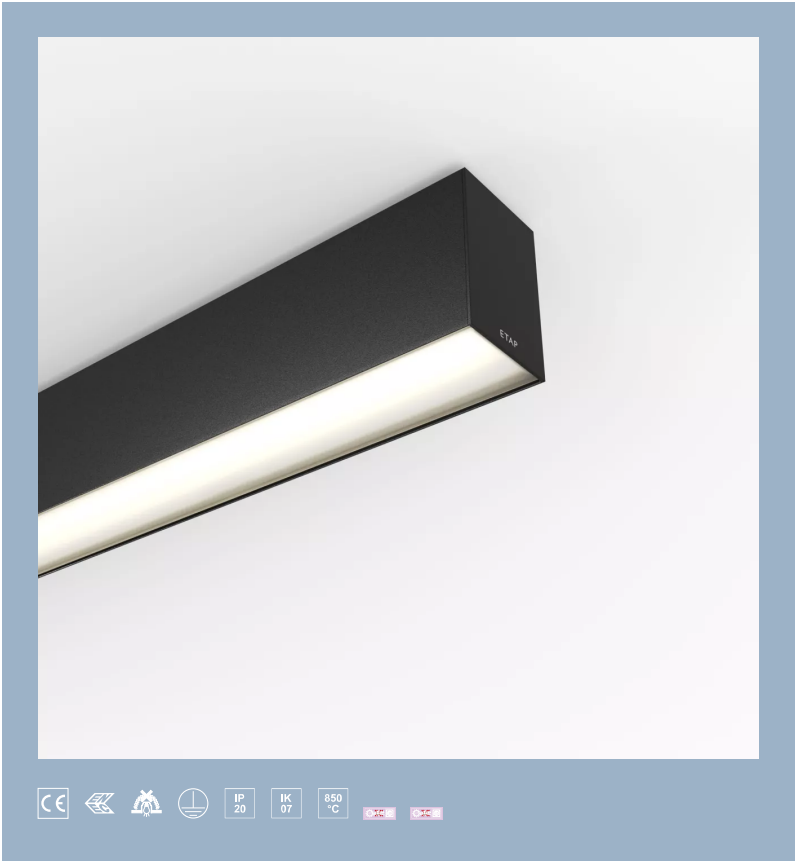


V3RDJ0M/N0M0D0X0



surface-mounted luminaire • linear

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

housing: lacquered aluminium

light source : LED • 4000 K

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

UGR classification : <=25

luminous flux: 7700 lm

luminous efficacy : 123 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 2803 mm x 60 mm x 90 mm

colour: RAL9005 - jetblack (textured)

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 62.7 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

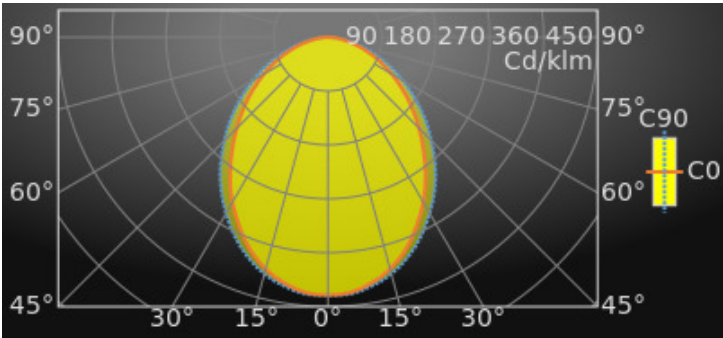
luminous flux : 7700 lm

luminous efficacy : 123 lm/W

UGR classification =: <=25

luminous area : 0.16 m²

Average Luminances (Cd/m²) for 7700lm					
Gamma	C0	C30	C45	C60	C90
45°	14413	14879	15337	15812	16365
50°	13500	13958	14391	14930	15539
55°	12577	12993	13472	13995	14628
60°	11655	12041	12530	13050	13701
65°	10703	11106	11561	12090	12706
70°	9677	10053	10462	10987	11610
75°	8519	8800	9163	9665	10331
80°	7056	7327	7608	8029	8695
85°	5091	5384	5725	6171	6901



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



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Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	99	4
30	98	6
40	98	8
50	97	9
60	97	11

Luminous intensities in cd

Intensity for 7700lm

Gamma	C0	C45	C90
0°	3314.9	3314.9	3314.9
5°	3297.5	3304.8	3315.7
10°	3212.3	3227.4	3248.6
15°	3087.1	3112.1	3151.7
20°	2913.9	2956.1	3008.1
25°	2688.3	2758.1	2827.4
30°	2452.1	2534.9	2615.3
35°	2191.4	2292.5	2393.4
40°	1916.4	2028.9	2143.9
45°	1655.1	1761.2	1879.3
50°	1409.2	1502.2	1622.1
55°	1171.5	1254.9	1362.6
60°	946.4	1017.5	1112.5
65°	734.6	793.5	872.1
70°	537.5	581.1	644.9
75°	358.1	385.1	434.2
80°	199.0	214.5	245.2
85°	72.1	81.0	97.7
90°	0.1	0.2	1.0

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 7700lm (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	20.9	22.6	21.2	22.9	23.2	21.7	23.4	22.0	23.7	23.9
Y = 3H	22.1	23.7	22.4	24.0	24.3	23.0	24.6	23.3	24.8	25.1
Y = 4H	22.5	24.0	22.9	24.3	24.6	23.5	25.0	23.8	25.3	25.6
Y = 6H	22.8	24.2	23.2	24.5	24.8	23.8	25.2	24.1	25.5	25.8
Y = 8H	22.9	24.2	23.2	24.5	24.9	23.9	25.2	24.2	25.5	25.9
Y = 12H	22.9	24.2	23.3	24.5	24.9	23.9	25.2	24.3	25.5	25.9
X = 4H Y = 2H	21.5	23.0	21.9	23.3	23.6	22.1	23.6	22.5	23.9	24.2
Y = 3H	22.9	24.2	23.3	24.5	24.9	23.6	24.9	24.0	25.3	25.6
Y = 4H	23.4	24.6	23.8	24.9	25.3	24.2	25.4	24.6	25.7	26.1
Y = 6H	23.8	24.8	24.2	25.2	25.6	24.7	25.7	25.1	26.1	26.5
Y = 8H	23.9	24.9	24.4	25.3	25.7	24.8	25.8	25.3	26.2	26.6
Y = 12H	24.0	24.8	24.4	25.3	25.7	24.9	25.8	25.3	26.2	26.6
X = 8H Y = 4H	23.7	24.6	24.1	25.0	25.5	24.4	25.4	24.9	25.8	26.2
Y = 6H	24.2	25.0	24.7	25.4	25.9	25.0	25.8	25.4	26.2	26.7
Y = 8H	24.3	25.0	24.8	25.5	26.0	25.2	25.9	25.7	26.3	26.8
Y = 12H	24.4	25.0	24.9	25.5	26.1	25.3	25.9	25.8	26.4	26.9
X = 12H Y = 4H	23.7	24.6	24.2	25.0	25.4	24.4	25.3	24.9	25.7	26.2
Y = 6H	24.2	24.9	24.7	25.4	25.9	25.0	25.7	25.5	26.2	26.6
Y = 8H	24.4	25.0	24.9	25.5	26.0	25.2	25.8	25.7	26.3	26.8
	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 : 4000

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

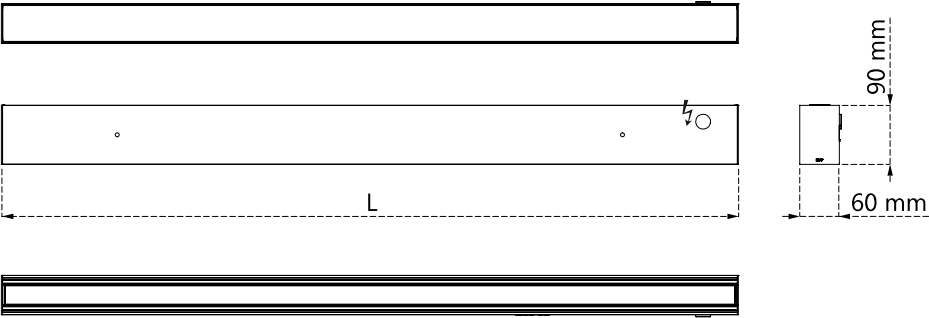
V3H2500 *Ceiling mounting brackets*

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