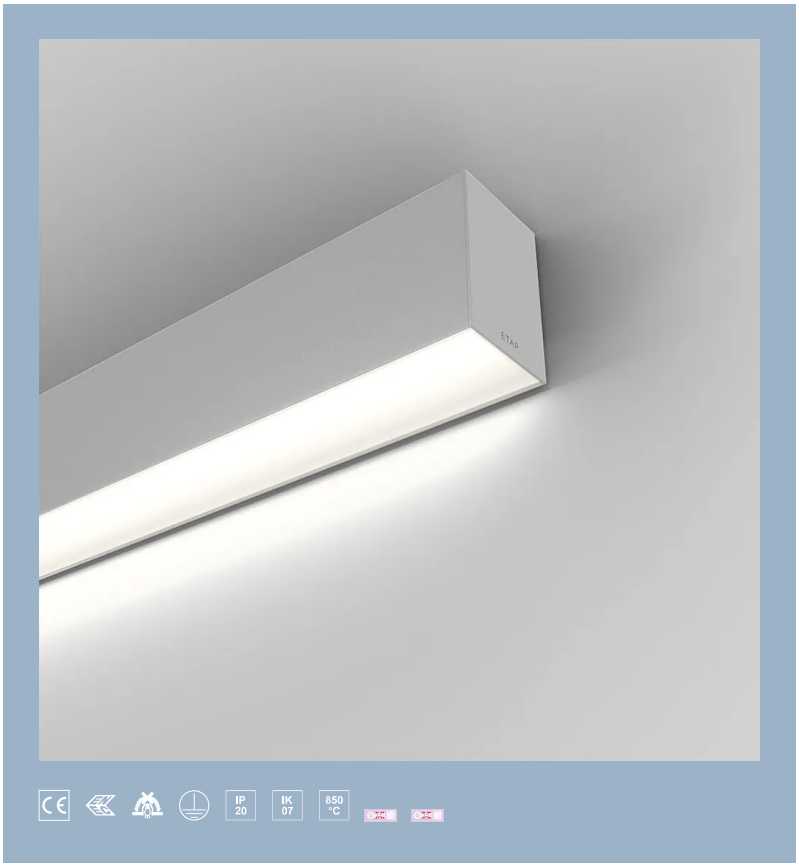
V3WDJ0M/N9L0D0X2



surface-mounted luminaire for wall mounting • linear

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

light source : LED • 4000 K

UGR classification : <=25

luminous flux: 4250 lm

luminous efficacy : 124 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 2523 mm x 60 mm x 90 mm

colour: RAL9006 - aluminium grey

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 34.3 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

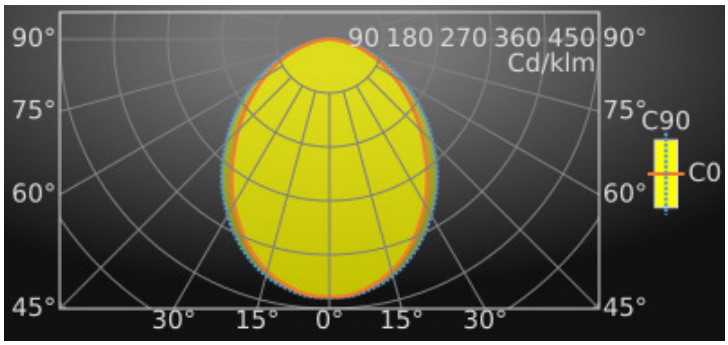
Luminance

luminous flux : 4250 lm

luminous efficacy : 124 lm/W

UGR classification =: <=25

luminous area : 0.15 m²



Average Luminances (Cd/m²) for 4250lm

Gamma	C0	C30	C45	C60	C90
45°	8839	9125	9406	9697	10037
50°	8279	8560	8825	9156	9530
55°	7713	7969	8262	8583	8971
60°	7148	7385	7684	8003	8402
65°	6564	6811	7090	7414	7793
70°	5935	6165	6416	6738	7120
75°	5225	5397	5619	5927	6336
80°	4327	4493	4666	4924	5332
85°	3122	3302	3511	3784	4232

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 4250lm

Gamma	C0	C45	C90
0°	1829.7	1829.7	1829.7
5°	1820.1	1824.1	1830.1
10°	1773.0	1781.4	1793.0
15°	1703.9	1717.7	1739.6
20°	1608.3	1631.6	1660.3
25°	1483.8	1522.3	1560.6
30°	1353.4	1399.1	1443.5
35°	1209.5	1265.3	1321.0
40°	1057.8	1119.8	1183.3
45°	913.5	972.1	1037.3
50°	777.8	829.1	895.3
55°	646.6	692.6	752.1
60°	522.3	561.6	614.1
65°	405.5	438.0	481.3
70°	296.7	320.8	355.9
75°	197.6	212.6	239.7
80°	109.8	118.4	135.3
85°	39.8	44.7	53.9
90°	0.1	0.1	0.6

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 4250lm (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	19.2	20.9	19.5	21.2	21.5	20.0	21.7	20.3	22.0	22.2
Y = 3H	20.4	22.0	20.7	22.3	22.6	21.3	22.9	21.6	23.1	23.4
Y = 4H	20.8	22.3	21.2	22.6	22.9	21.8	23.3	22.1	23.6	23.9
Y = 6H	21.1	22.5	21.5	22.8	23.1	22.1	23.5	22.4	23.8	24.1
Y = 8H	21.2	22.5	21.5	22.8	23.2	22.2	23.5	22.5	23.8	24.2
Y = 12H	21.2	22.5	21.6	22.8	23.2	22.2	23.5	22.6	23.8	24.2
X = 4H Y = 2H	19.8	21.3	20.2	21.6	21.9	20.4	21.9	20.8	22.2	22.5
Y = 3H	21.2	22.5	21.6	22.8	23.2	21.9	23.2	22.3	23.6	23.9
Y = 4H	21.7	22.9	22.1	23.2	23.6	22.5	23.7	22.9	24.0	24.4
Y = 6H	22.1	23.1	22.5	23.5	23.9	23.0	24.0	23.4	24.4	24.8
Y = 8H	22.2	23.2	22.7	23.6	24.0	23.1	24.1	23.6	24.5	24.9
Y = 12H	22.3	23.1	22.7	23.6	24.0	23.2	24.1	23.6	24.5	24.9
X = 8H Y = 4H	22.0	22.9	22.4	23.3	23.8	22.7	23.7	23.2	24.1	24.5
Y = 6H	22.5	23.3	23.0	23.7	24.2	23.3	24.1	23.7	24.5	25.0
Y = 8H	22.7	23.3	23.1	23.8	24.3	23.5	24.2	24.0	24.6	25.1
Y = 12H	22.7	23.4	23.2	23.8	24.4	23.6	24.2	24.1	24.7	25.2
X = 12H Y = 4H	22.0	22.9	22.5	23.3	23.7	22.7	23.6	23.2	24.0	24.5
Y = 6H	22.5	23.2	23.0	23.7	24.2	23.3	24.0	23.8	24.5	24.9
Y = 8H	22.7	23.3	23.2	23.8	24.3	23.5	24.1	24.0	24.6	25.1
	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

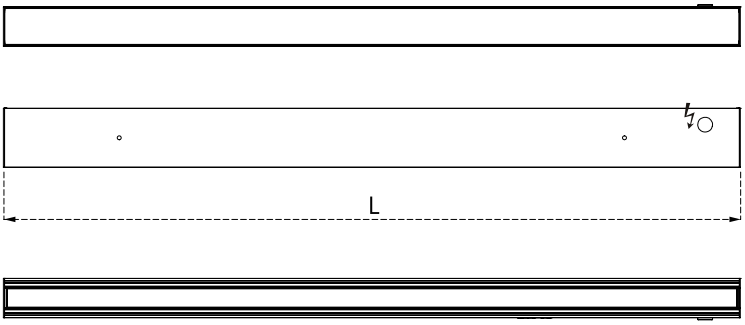
Utilisation Factors according to LiTG (%)

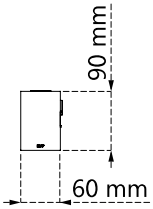
	Room Reflection Factors (%)									
Ceiling	80	80	80	50	50	50	50	50	30	0
Walls	50	30	50	30	50	30	50	30	30	0
Floor	30	30	10	10	30	30	10	10	10	0
k = 0.60	51	42	48	41	49	41	47	40	40	34
0.80	62	53	58	51	59	51	56	50	49	43
1.00	71	62	66	58	67	59	63	57	56	50
1.25	81	72	74	67	76	69	71	66	65	59
1.50	87	78	79	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

V3H2700 *Wall mounting brackets*

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