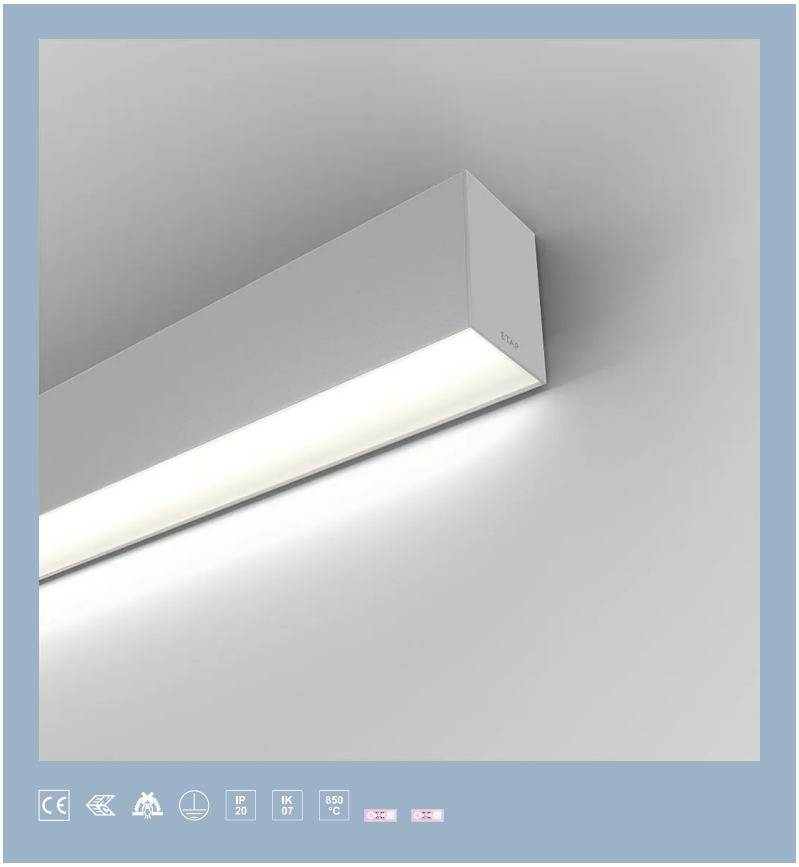
V3WDJ0M/N4MMD0X2



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 : <=22

luminous flux: 6650 lm

luminous efficacy : 132 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1123 mm x 60 mm x 90 mm

colour: RAL9006 - aluminium grey

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 50.5 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

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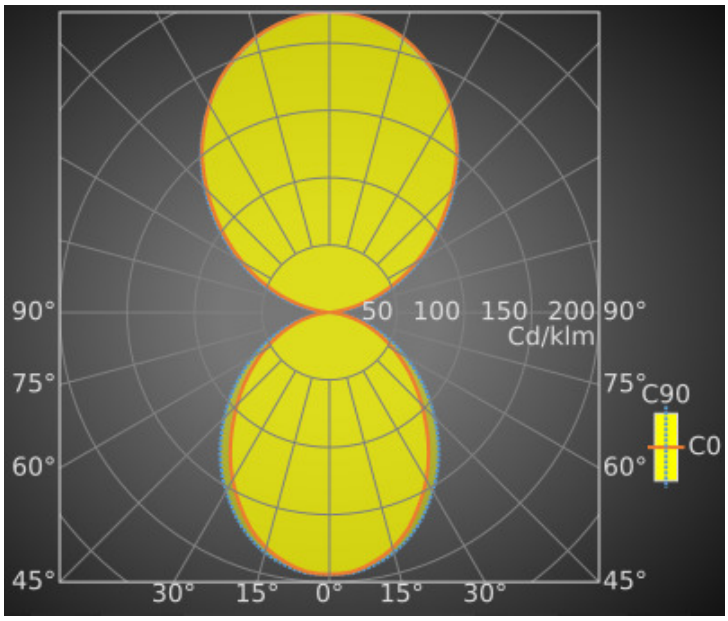
Luminance

luminous flux : 6650 lm

luminous efficacy : 132 lm/W

UGR classification =: <=22

luminous area : 0.07 m²



Average Luminances (Cd/m²) for 6650lm

Gamma	C0	C30	C45	C60	C90
45°	14029	14483	14929	15393	15930
50°	13137	13583	14004	14530	15122
55°	12233	12638	13104	13614	14229
60°	11326	11702	12177	12684	13315
65°	10382	10774	11215	11729	12327
70°	9353	9716	10112	10621	11224
75°	8171	8440	8788	9272	9913
80°	6644	6902	7167	7567	8200
85°	4517	4785	5099	5508	6184

Classifications

CIE: 239 / 374 / 436 / 450 / 1000

CIE FLUXCODE : 0.53 / 0.83 / 0.97 / 0.45 / 1.00

BZ: BZ4/1.25/BZ3/1.5/BZ4

CAE: Symmetrical

DIN: C42 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.45

DIN_SU: Phi su = 0.59

UTE: 0.45 D + 0.55 T

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Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	98	4
30	97	6
40	97	8
50	96	9
60	95	11

Luminous intensities in cd

Intensity for 6650lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1290.9	1290.9	1290.9	90°	1.4	2.2	5.7
5°	1284.1	1287.0	1291.2	95°	13.2	19.8	40.4
10°	1251.0	1256.8	1265.1	100°	74.8	94.3	113.5
15°	1202.2	1211.9	1227.3	105°	166.5	187.2	203.0
20°	1134.7	1151.1	1171.4	110°	269.6	290.2	302.9
25°	1046.9	1074.1	1101.0	115°	379.5	400.0	408.4
30°	954.9	987.1	1018.5	120°	494.2	512.2	520.5
35°	853.4	892.7	932.0	125°	611.6	628.9	635.4
40°	746.2	790.0	834.8	130°	732.3	747.8	752.1
45°	644.4	685.7	731.7	135°	853.8	866.5	870.8
50°	548.6	584.8	631.4	140°	974.5	980.3	984.3
55°	455.8	488.3	530.2	145°	1084.4	1090.3	1090.6
60°	367.9	395.5	432.5	150°	1183.7	1186.5	1182.2
65°	285.0	307.9	338.4	155°	1272.9	1272.3	1263.7
70°	207.8	224.7	249.4	160°	1343.7	1344.5	1333.7
75°	137.4	147.8	166.7	165°	1404.7	1403.8	1392.0
80°	74.9	80.8	92.5	170°	1445.9	1443.5	1445.1
85°	25.6	28.9	35.0	175°	1472.2	1471.5	1470.9
90°	1.4	2.2	5.7	180°	1481.3	1481.3	1481.3

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 6650lm (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	17.0	17.9	18.0	18.9	19.8	17.8	18.7	18.7	19.6	20.5
Y = 3H	18.1	18.9	19.1	19.9	20.8	19.0	19.8	20.0	20.8	21.7
Y = 4H	18.5	19.2	19.4	20.2	21.1	19.4	20.2	20.4	21.1	22.1
Y = 6H	18.7	19.3	19.6	20.3	21.3	19.6	20.3	20.6	21.3	22.3
Y = 8H	18.7	19.4	19.7	20.4	21.3	19.7	20.4	20.7	21.4	22.3
Y = 12H	18.7	19.3	19.7	20.3	21.3	19.7	20.3	20.7	21.3	22.3
X = 4H Y = 2H	17.5	18.2	18.4	19.2	20.1	18.1	18.8	19.1	19.8	20.7
Y = 3H	18.7	19.3	19.7	20.3	21.3	19.5	20.1	20.5	21.1	22.0
Y = 4H	19.2	19.7	20.2	20.7	21.7	20.0	20.5	21.0	21.5	22.5
Y = 6H	19.4	19.9	20.5	21.0	21.9	20.3	20.8	21.3	21.8	22.8
Y = 8H	19.5	19.9	20.5	21.0	22.0	20.4	20.8	21.4	21.9	22.9
Y = 12H	19.5	19.9	20.5	20.9	21.9	20.4	20.8	21.5	21.9	22.9
X = 8H Y = 4H	19.3	19.7	20.3	20.8	21.8	20.0	20.5	21.1	21.5	22.5
Y = 6H	19.7	20.0	20.7	21.1	22.1	20.5	20.8	21.5	21.9	22.9
Y = 8H	19.8	20.1	20.8	21.1	22.2	20.6	20.9	21.7	22.0	23.0
Y = 12H	19.8	20.1	20.9	21.1	22.2	20.6	20.9	21.7	22.0	23.0
X = 12H Y = 4H	19.3	19.6	20.3	20.7	21.7	20.0	20.4	21.0	21.4	22.4
Y = 6H	19.7	20.0	20.7	21.0	22.1	20.4	20.7	21.5	21.8	22.8
Y = 8H	19.8	20.0	20.9	21.1	22.2	20.6	20.9	21.7	21.9	23.0
	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		-0.5		
S = 2.0H	+0.5		-0.9			+0.6		-0.8		

Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

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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	94	92	90	71	70	69	58	57	56	38
2	83	79	76	63	60	58	51	49	48	33
3	74	68	64	56	52	50	45	43	41	28
4	65	59	55	50	46	43	41	38	35	24
5	58	52	47	45	40	37	37	33	31	21
6	52	45	41	40	36	32	33	30	27	19
7	47	40	35	37	32	28	30	27	24	17
8	43	36	31	33	29	25	28	24	21	15
9	39	32	28	31	26	22	26	22	19	13
10	36	29	25	28	23	20	24	20	17	12

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	42	34	40	33	33	28	32	27	23	15
0.80	52	44	49	42	41	35	39	34	29	19
1.00	60	51	56	49	47	41	44	39	34	23
1.25	68	60	63	56	53	47	50	45	38	26
1.50	74	66	67	61	57	52	53	49	42	29
2.00	82	75	74	68	62	58	58	55	46	32
2.50	88	81	78	73	67	63	62	59	49	35
3.00	93	86	81	77	70	66	64	61	52	37
4.00	98	92	84	81	73	70	67	65	54	38
5.00	101	97	87	84	75	73	69	67	56	39

Available accessories

V3H2700 *Wall mounting brackets*

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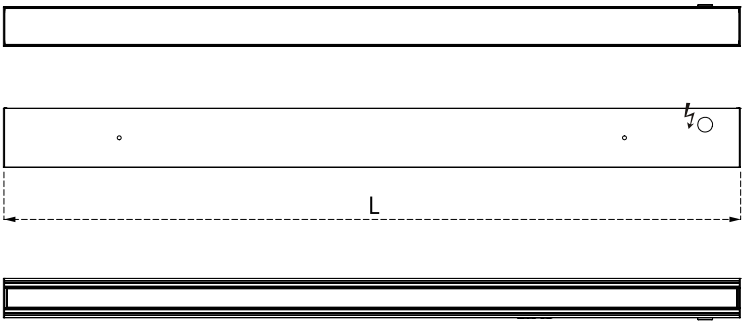
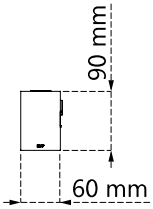
Dimensional drawing





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

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