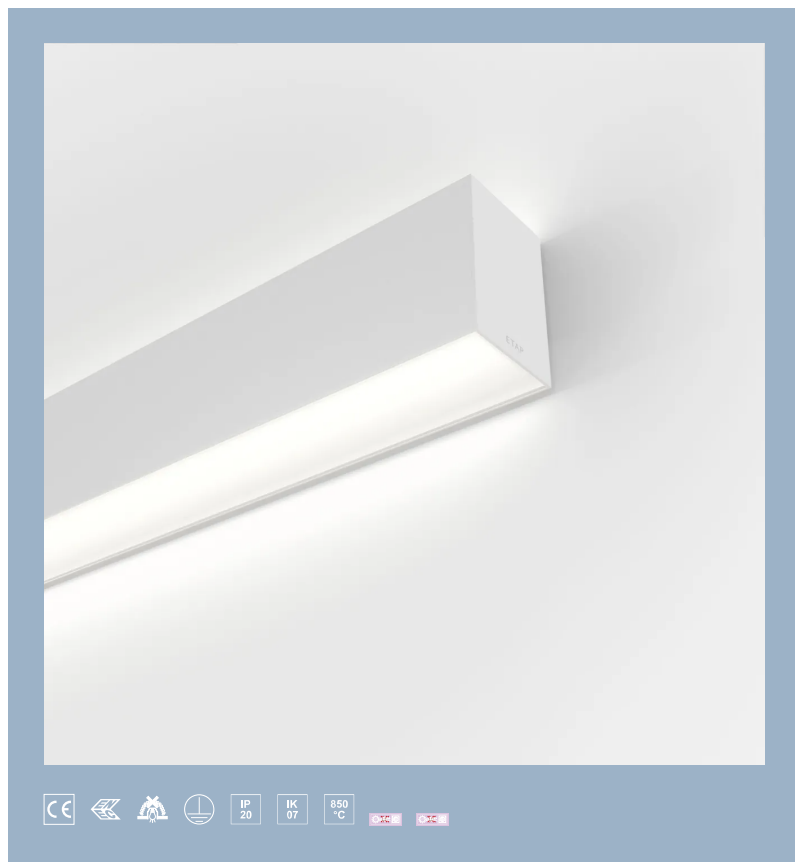


V3WDJ0M/W9MMD0X1



surface-mounted luminaire for wall mounting • 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 : <=22

luminous flux: 14400 lm

luminous efficacy : 127 lm/W

Product information

Mechanical properties

dimensions : 2523 mm x 60 mm x 90 mm

colour: RAL9003 - white

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 113.6 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

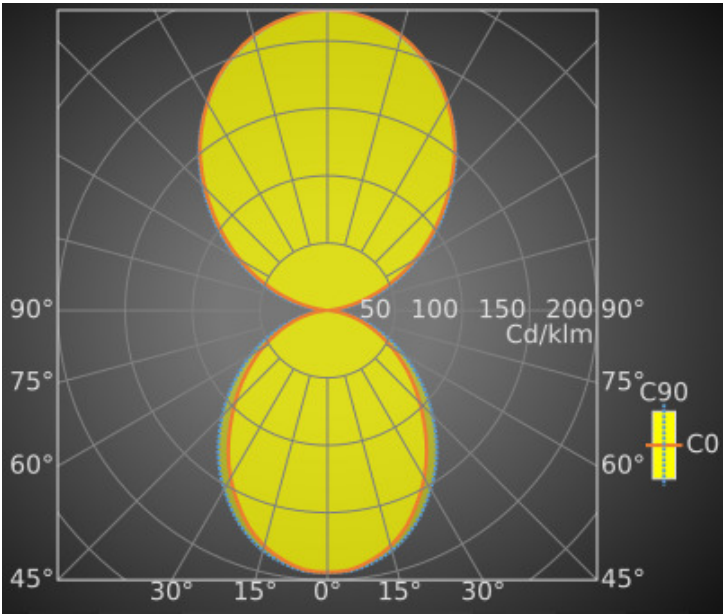
Luminance

luminous flux : 14400 lm

luminous efficacy : 127 lm/W

UGR classification =: <=22

luminous area : 0.15 m²



Average Luminances (Cd/m²) for 14400lm

Gamma	C0	C30	C45	C60	C90
45°	13502	13938	14367	14814	15331
50°	12644	13072	13478	13984	14554
55°	11773	12163	12612	13103	13694
60°	10900	11262	11719	12207	12815
65°	9992	10369	10793	11289	11864
70°	9002	9351	9732	10222	10802
75°	7864	8123	8458	8923	9540
80°	6394	6642	6897	7283	7891
85°	4348	4605	4907	5301	5952

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



Luminous intensities in cd

Intensity for 14400lm							
Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	2795.3	2795.3	2795.3	90°	3.1	4.7	12.4
5°	2780.7	2786.8	2796.0	95°	28.7	42.9	87.4
10°	2708.8	2721.6	2739.4	100°	162.0	204.1	245.8
15°	2603.2	2624.3	2657.7	105°	360.5	405.3	439.6
20°	2457.2	2492.7	2536.5	110°	583.8	628.3	655.9
25°	2266.9	2325.8	2384.2	115°	821.8	866.1	884.4
30°	2067.7	2137.5	2205.4	120°	1070.1	1109.2	1127.0
35°	1847.9	1933.1	2018.2	125°	1324.4	1361.8	1375.9
40°	1615.9	1710.8	1807.7	130°	1585.7	1619.4	1628.6
45°	1395.4	1484.9	1584.5	135°	1848.8	1876.3	1885.7
50°	1187.9	1266.2	1367.3	140°	2110.2	2122.9	2131.5
55°	987.0	1057.3	1148.0	145°	2348.2	2361.0	2361.6
60°	796.6	856.5	936.5	150°	2563.1	2569.2	2559.9
65°	617.2	666.7	732.8	155°	2756.4	2755.1	2736.5
70°	450.0	486.5	540.0	160°	2909.6	2911.3	2888.1
75°	297.5	320.0	360.9	165°	3041.8	3039.9	3014.3
80°	162.3	175.1	200.3	170°	3131.1	3125.7	3129.2
85°	55.4	62.5	75.8	175°	3187.9	3186.3	3185.0
90°	3.1	4.7	12.4	180°	3207.7	3207.7	3207.7

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 14400lm (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	16.9	17.8	17.8	18.7	19.6	17.7	18.6	18.6	19.5	20.4
Y = 3H	18.0	18.8	18.9	19.7	20.7	18.9	19.7	19.8	20.6	21.5
Y = 4H	18.3	19.1	19.3	20.1	21.0	19.3	20.0	20.3	21.0	21.9
Y = 6H	18.5	19.2	19.5	20.2	21.1	19.5	20.2	20.5	21.2	22.1
Y = 8H	18.6	19.2	19.6	20.2	21.2	19.6	20.2	20.6	21.2	22.2
Y = 12H	18.5	19.2	19.5	20.2	21.1	19.6	20.2	20.6	21.2	22.1
X = 4H Y = 2H	17.3	18.1	18.3	19.1	20.0	17.9	18.7	18.9	19.7	20.6
Y = 3H	18.6	19.2	19.6	20.2	21.2	19.3	20.0	20.3	21.0	21.9
Y = 4H	19.0	19.6	20.0	20.6	21.6	19.8	20.4	20.9	21.4	22.4
Y = 6H	19.3	19.8	20.3	20.8	21.8	20.2	20.7	21.2	21.7	22.7
Y = 8H	19.4	19.8	20.4	20.8	21.8	20.3	20.7	21.3	21.7	22.7
Y = 12H	19.4	19.8	20.4	20.8	21.8	20.3	20.7	21.3	21.7	22.7
X = 8H Y = 4H	19.2	19.6	20.2	20.6	21.6	19.9	20.3	20.9	21.4	22.4
Y = 6H	19.5	19.9	20.6	21.0	22.0	20.3	20.7	21.4	21.8	22.8
Y = 8H	19.6	19.9	20.7	21.0	22.0	20.5	20.8	21.5	21.8	22.9
Y = 12H	19.7	19.9	20.7	21.0	22.1	20.5	20.8	21.6	21.9	22.9
X = 12H Y = 4H	19.1	19.5	20.2	20.6	21.6	19.8	20.2	20.9	21.3	22.3
Y = 6H	19.5	19.8	20.6	20.9	21.9	20.3	20.6	21.4	21.7	22.7
Y = 8H	19.6	19.9	20.7	21.0	22.0	20.5	20.7	21.5	21.8	22.8
	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		-0.5		
S = 2.0H	+0.5		-0.9			+0.6		-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	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

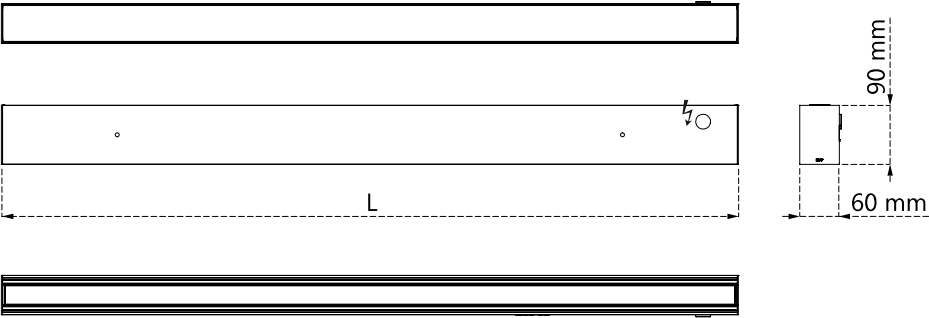
Available accessories

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