

V3WDJ0M/W7LLD0X0



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 : <=19

luminous flux: 6850 lm

luminous efficacy : 126 lm/W

Product information

Mechanical properties

dimensions : 1963 mm x 60 mm x 90 mm

colour: RAL9005 - black

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 54.4 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

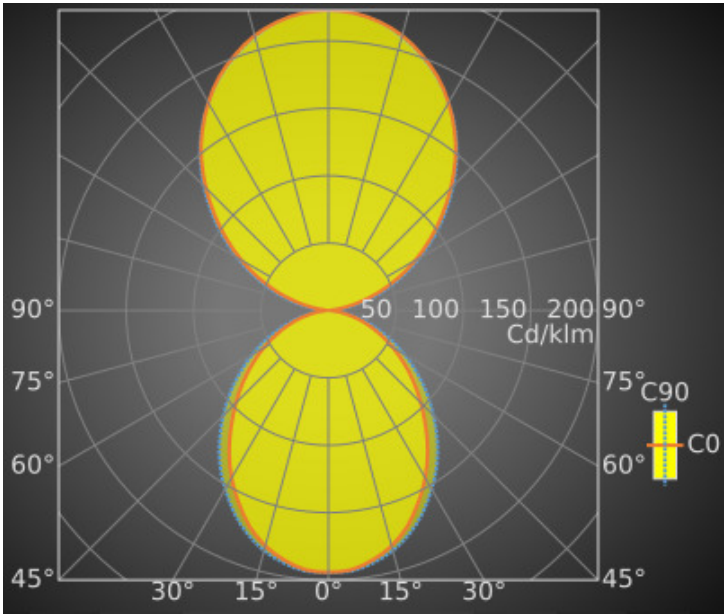
Luminance

luminous flux : 6850 lm

luminous efficacy : 126 lm/W

UGR classification =: <=19

luminous area : 0.11 m²



Average Luminances (Cd/m²) for 6850lm

Gamma	C0	C30	C45	C60	C90
45°	8258	8525	8787	9060	9377
50°	7733	7995	8243	8553	8901
55°	7201	7439	7713	8014	8375
60°	6666	6888	7168	7466	7838
65°	6111	6342	6601	6904	7256
70°	5506	5719	5952	6252	6606
75°	4810	4968	5173	5458	5835
80°	3911	4062	4219	4454	4826
85°	2659	2817	3001	3242	3640

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 6850lm							
Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1329.7	1329.7	1329.7	90°	1.5	2.2	5.9
5°	1322.8	1325.7	1330.0	95°	13.6	20.4	41.6
10°	1288.6	1294.6	1303.1	100°	77.1	97.1	116.9
15°	1238.3	1248.4	1264.2	105°	171.5	192.8	209.1
20°	1168.9	1185.8	1206.6	110°	277.7	298.9	312.0
25°	1078.3	1106.4	1134.1	115°	390.9	412.0	420.7
30°	983.6	1016.8	1049.1	120°	509.0	527.6	536.1
35°	879.0	919.6	960.1	125°	630.0	647.8	654.5
40°	768.7	813.8	859.9	130°	754.3	770.3	774.7
45°	663.8	706.3	753.7	135°	879.4	892.6	897.0
50°	565.1	602.3	650.4	140°	1003.8	1009.8	1013.9
55°	469.5	502.9	546.1	145°	1117.0	1123.1	1123.4
60°	378.9	407.4	445.5	150°	1219.3	1222.1	1217.7
65°	293.6	317.1	348.6	155°	1311.2	1310.6	1301.7
70°	214.1	231.4	256.9	160°	1384.1	1384.9	1373.8
75°	141.5	152.2	171.7	165°	1447.0	1446.1	1433.9
80°	77.2	83.3	95.3	170°	1489.4	1486.9	1488.5
85°	26.3	29.7	36.1	175°	1516.5	1515.7	1515.1
90°	1.5	2.2	5.9	180°	1525.9	1525.9	1525.9

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 6850lm (S = 0.25H)										
	Room Reflection Factors (%)									
	Ceiling	70	70	50	50	30	70	70	50	50
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	15.2	16.1	16.1	17.0	17.9	15.9	16.8	16.9	17.8
Y = 3H		16.3	17.1	17.2	18.0	18.9	17.2	18.0	18.1	18.9
Y = 4H		16.6	17.4	17.6	18.4	19.3	17.6	18.3	18.5	19.3
Y = 6H		16.8	17.5	17.8	18.5	19.4	17.8	18.5	18.8	19.5
Y = 8H		16.9	17.5	17.8	18.5	19.5	17.9	18.5	18.9	19.5
Y = 12H		16.8	17.5	17.8	18.5	19.4	17.9	18.5	18.9	19.5
X = 4H Y = 2H		15.6	16.4	16.6	17.4	18.3	16.2	17.0	17.2	18.0
Y = 3H		16.9	17.5	17.9	18.5	19.5	17.6	18.2	18.6	19.2
Y = 4H		17.3	17.9	18.3	18.9	19.9	18.1	18.7	19.1	19.7
Y = 6H		17.6	18.1	18.6	19.1	20.1	18.5	19.0	19.5	20.0
Y = 8H		17.7	18.1	18.7	19.1	20.1	18.6	19.0	19.6	20.0
Y = 12H		17.6	18.0	18.7	19.1	20.1	18.6	19.0	19.6	20.0
X = 8H Y = 4H		17.4	17.9	18.5	18.9	19.9	18.2	18.6	19.2	19.7
Y = 6H		17.8	18.2	18.9	19.2	20.3	18.6	19.0	19.7	20.0
Y = 8H		17.9	18.2	19.0	19.3	20.3	18.7	19.1	19.8	20.1
Y = 12H		18.0	18.2	19.0	19.3	20.3	18.8	19.1	19.9	20.2
X = 12H Y = 4H		17.4	17.8	18.5	18.9	19.9	18.1	18.5	19.2	19.6
Y = 6H		17.8	18.1	18.9	19.2	20.2	18.6	18.9	19.7	20.0
Y = 8H		17.9	18.2	19.0	19.3	20.3	18.7	19.0	19.8	20.1
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		-0.5			
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

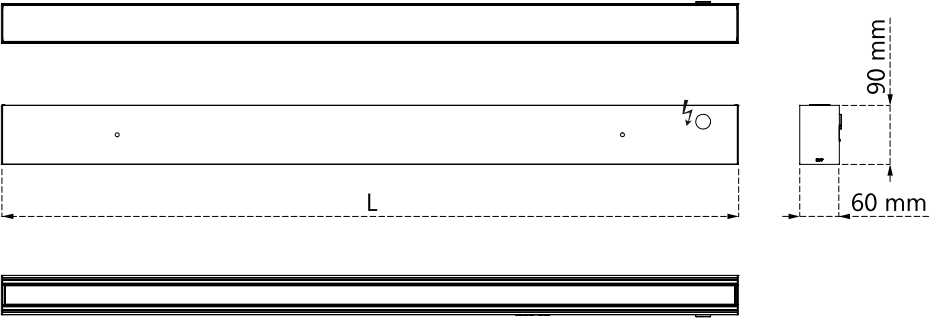
Available accessories

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