

V3RDJ0M/N3M0D0X1



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: 2300 lm

luminous efficacy : 113 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 843 mm x 60 mm x 90 mm

colour: RAL9003 - white (textured)

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 20.4 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

Luminance

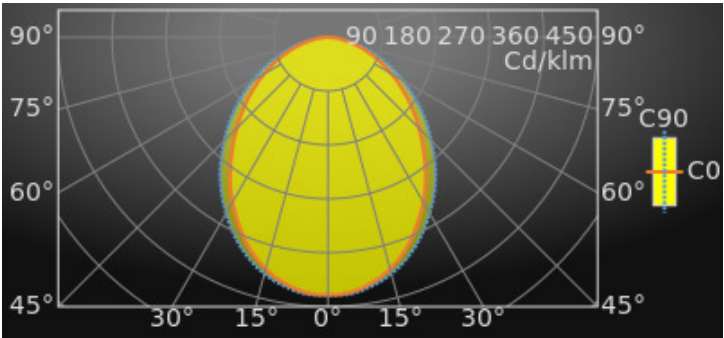
luminous flux : 2300 lm

luminous efficacy : 113 lm/W

UGR classification =: <=25

luminous area : 0.05 m²

Gamma	Average Luminances (Cd/m²) for 2300lm				
	C0	C30	C45	C60	C90
45°	14351	14815	15270	15744	16295
50°	13441	13897	14328	14865	15472
55°	12522	12937	13414	13935	14565
60°	11604	11989	12476	12994	13642
65°	10657	11058	11511	12037	12651
70°	9635	10010	10417	10940	11560
75°	8482	8762	9123	9623	10286
80°	7026	7295	7575	7995	8657
85°	5069	5360	5700	6144	6871



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 2300lm

Gamma	C0	C45	C90
0°	990.2	990.2	990.2
5°	985.0	987.2	990.4
10°	959.5	964.0	970.4
15°	922.1	929.6	941.4
20°	870.4	883.0	898.5
25°	803.0	823.8	844.5
30°	732.4	757.2	781.2
35°	654.6	684.8	714.9
40°	572.4	606.0	640.4
45°	494.4	526.1	561.4
50°	420.9	448.7	484.5
55°	349.9	374.8	407.0
60°	282.7	303.9	332.3
65°	219.4	237.0	260.5
70°	160.6	173.6	192.6
75°	107.0	115.0	129.7
80°	59.4	64.1	73.2
85°	21.5	24.2	29.2
90°	0.0	0.1	0.3

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 2300lm (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	23.1	21.6	23.4	22.0	23.6	23.9
Y = 3H	22.1	23.6	22.4	23.9	24.2	23.0	24.5	23.3	24.8	25.1
Y = 4H	22.5	24.0	22.9	24.3	24.6	23.4	24.9	23.8	25.2	25.6
Y = 6H	22.8	24.2	23.1	24.5	24.8	23.8	25.2	24.1	25.5	25.8
Y = 8H	22.8	24.2	23.2	24.5	24.9	23.8	25.2	24.2	25.5	25.9
Y = 12H	22.9	24.2	23.3	24.5	24.8	23.9	25.2	24.3	25.5	25.9
X = 4H Y = 2H	21.5	23.0	21.8	23.3	23.6	22.1	23.6	22.4	23.9	24.2
Y = 3H	22.9	24.1	23.3	24.5	24.8	23.6	24.9	24.0	25.2	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	24.8	24.3	25.3	25.7	24.8	25.7	25.2	26.2	26.6
Y = 12H	23.9	24.8	24.4	25.2	25.7	24.9	25.7	25.3	26.2	26.6
X = 8H Y = 4H	23.7	24.6	24.1	25.0	25.4	24.4	25.4	24.8	25.8	26.2
Y = 6H	24.2	25.0	24.6	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	25.6	26.3	26.8
Y = 12H	24.4	25.0	24.9	25.5	26.0	25.3	25.9	25.8	26.4	26.9
X = 12H Y = 4H	23.7	24.5	24.1	25.0	25.4	24.4	25.3	24.9	25.7	26.1
Y = 6H	24.2	24.9	24.7	25.4	25.9	25.0	25.7	25.5	26.1	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