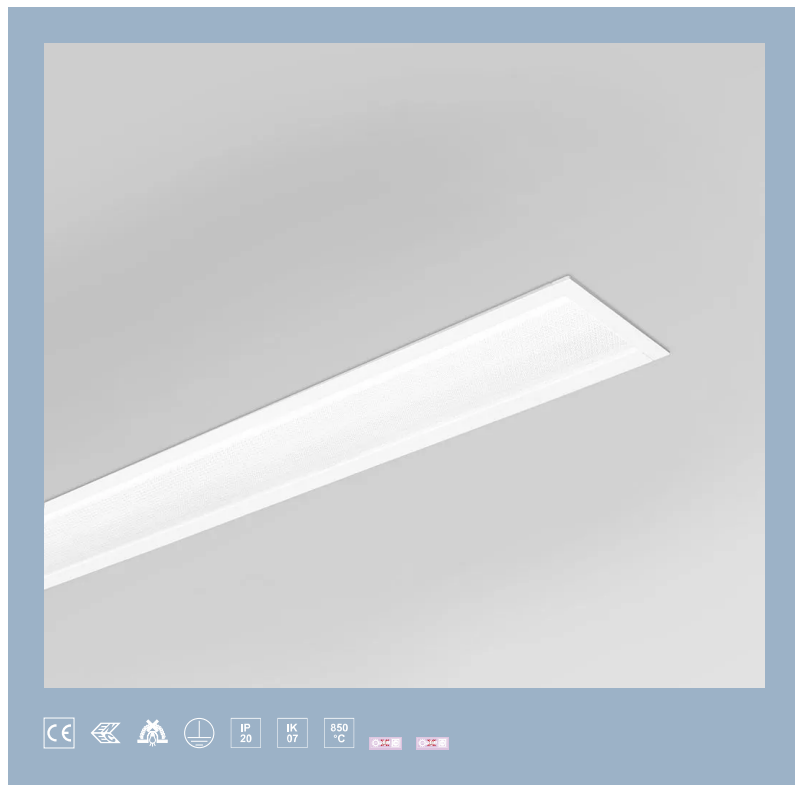


V3UDK0M/W4L0D0X1



recessed luminaire • linear

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

housing: lacquered aluminium

light source : LED • 3000 K

optics : diffuser • polycarbonate (PC) microprism with diffuser foil • diffuse

UGR classification : <=19

luminous flux: 1400 lm

luminous efficacy : 100 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1123 mm x 76 mm x 71 mm

shape : individual linear, rectangular

colour: RAL9003 - white

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 14 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

Luminance

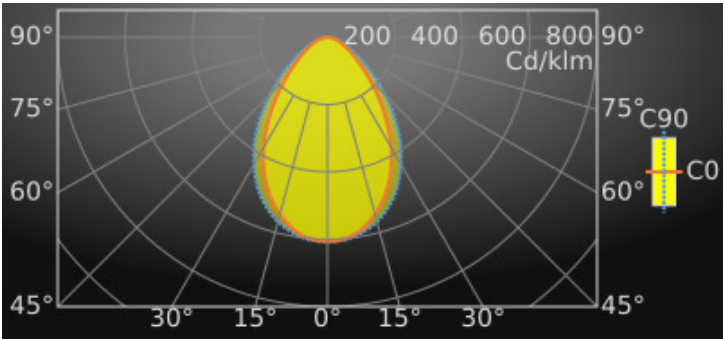
luminous flux : 1400 lm

luminous efficacy : 100 lm/W

UGR classification =: <=19

luminous area : 0.07 m²

Average Luminances (Cd/m²) for 1400lm					
Gamma	C0	C30	C45	C60	C90
45°	5436	5892	6383	6758	7321
50°	4367	4722	5194	5590	6017
55°	3562	3801	4195	4647	4918
60°	2938	3137	3450	3839	4080
65°	2540	2681	2941	3266	3430
70°	2321	2367	2617	2879	2981
75°	2166	2170	2390	2587	2678
80°	1990	1999	2133	2292	2413
85°	1522	1542	1634	1774	1868



Classifications

CIE: 663 / 902 / 981 / 1000 / 1000

CIE FLUXCODE : 0.66 / 0.90 / 0.98 / 1.00 / 1.00

BZ: BZ2

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.67

UTE: 1.00 C + 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 1400lm

Gamma	C0	C45	C90
0°	848.0	848.0	848.0
5°	842.0	842.8	844.3
10°	812.0	817.8	826.6
15°	762.4	778.3	794.4
20°	700.2	719.3	747.6
25°	621.9	646.7	686.9
30°	531.0	563.5	611.5
35°	431.3	472.8	525.5
40°	334.4	379.8	432.3
45°	249.7	293.2	336.3
50°	182.3	216.9	251.2
55°	132.7	156.3	183.2
60°	95.4	112.0	132.5
65°	69.7	80.7	94.2
70°	51.6	58.1	66.2
75°	36.4	40.2	45.0
80°	22.4	24.1	27.2
85°	8.6	9.3	10.6
90°	0.0	0.0	0.0

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 1400lm (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	15.8	17.4	16.1	17.6	17.9	17.3	18.9	17.6	19.1	19.4
Y = 3H	16.4	17.8	16.7	18.1	18.4	18.0	19.4	18.3	19.7	20.0
Y = 4H	16.7	18.1	17.0	18.3	18.7	18.3	19.6	18.6	19.9	20.2
Y = 6H	16.9	18.2	17.3	18.5	18.8	18.5	19.7	18.8	20.0	20.4
Y = 8H	17.0	18.2	17.4	18.5	18.9	18.5	19.8	18.9	20.1	20.4
Y = 12H	17.0	18.2	17.4	18.5	18.9	18.6	19.7	19.0	20.1	20.4
X = 4H Y = 2H	16.2	17.5	16.5	17.8	18.1	17.4	18.8	17.8	19.1	19.4
Y = 3H	17.0	18.1	17.4	18.5	18.8	18.4	19.5	18.7	19.8	20.2
Y = 4H	17.4	18.4	17.8	18.8	19.1	18.8	19.8	19.2	20.2	20.5
Y = 6H	17.7	18.6	18.2	19.0	19.4	19.1	20.0	19.6	20.4	20.8
Y = 8H	17.9	18.7	18.3	19.1	19.5	19.2	20.1	19.7	20.5	20.9
Y = 12H	17.9	18.7	18.4	19.1	19.5	19.3	20.1	19.7	20.5	20.9
X = 8H Y = 4H	17.6	18.4	18.0	18.8	19.3	18.9	19.7	19.3	20.1	20.5
Y = 6H	18.1	18.8	18.5	19.2	19.7	19.3	20.0	19.8	20.5	20.9
Y = 8H	18.2	18.9	18.7	19.3	19.8	19.5	20.1	20.0	20.6	21.1
Y = 12H	18.3	18.9	18.8	19.4	19.9	19.6	20.2	20.1	20.6	21.2
X = 12H Y = 4H	17.6	18.4	18.1	18.8	19.2	18.9	19.6	19.3	20.1	20.5
Y = 6H	18.1	18.7	18.6	19.2	19.7	19.4	20.0	19.8	20.4	20.9
Y = 8H	18.3	18.8	18.8	19.3	19.8	19.6	20.1	20.1	20.6	21.1
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.4		-0.6			+0.3		-0.5		
S = 1.5H	+0.7		-1.1			+0.8		-1.0		
S = 2.0H	+1.4		-1.5			+1.7		-1.5		

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	107	104	102	100	98	97	96	95	94	88
2	95	91	88	90	87	84	87	84	82	77
3	86	80	76	81	77	74	79	75	72	68
4	78	71	67	74	69	65	72	67	64	61
5	71	64	59	68	62	58	66	61	57	54
6	65	58	53	62	56	52	61	55	52	49
7	60	53	48	58	51	47	56	51	47	44
8	55	48	43	53	47	43	52	47	43	41
9	51	44	40	50	44	39	49	43	39	37
10	48	41	36	46	40	36	46	40	36	34

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	59	51	56	49	57	50	55	49	48	43
0.80	70	62	66	59	67	60	64	58	58	52
1.00	78	70	72	66	74	68	70	65	64	59
1.25	88	80	80	75	83	77	78	73	72	67
1.50	93	86	85	80	88	82	82	78	77	72
2.00	101	94	90	86	94	89	87	84	83	78
2.50	106	100	94	90	98	94	91	88	87	82
3.00	111	105	97	94	102	98	94	92	90	86
4.00	115	110	99	97	105	102	96	94	93	88
5.00	118	114	101	99	108	105	98	96	95	91

Available accessories

V3H2800/2 *Recessed mounting brackets (set of 2)*

Dimensional drawing

