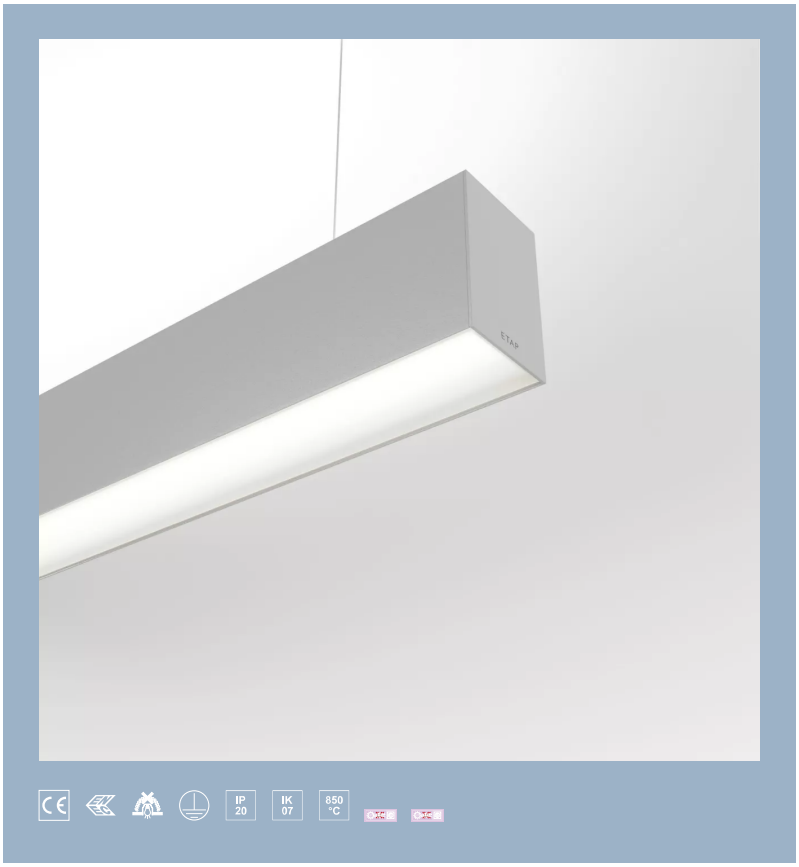
V3SDJ0M/N5LLD0X2



suspended 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 : <=19

luminous flux: 5100 lm

luminous efficacy : 135 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1403 mm x 60 mm x 90 mm

colour: RAL9006 - white aluminium (textured)

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 37.8 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

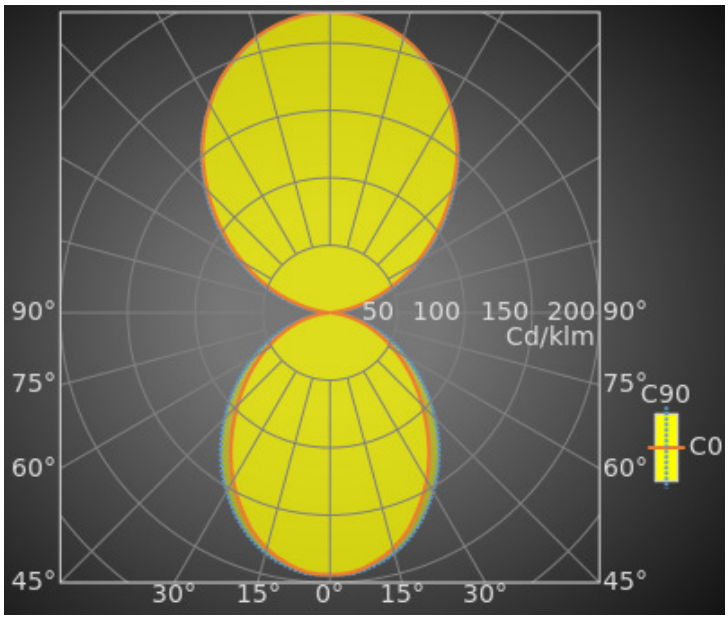
Luminance

luminous flux : 5100 lm

luminous efficacy : 135 lm/W

UGR classification =: <=19

luminous area : 0.08 m²



Average Luminances (Cd/m²) for 5100lm

Gamma	C0	C30	C45	C60	C90
45°	8607	8886	9159	9444	9774
50°	8060	8334	8592	8915	9278
55°	7505	7754	8040	8353	8730
60°	6949	7179	7471	7782	8169
65°	6370	6610	6881	7196	7563
70°	5739	5961	6204	6517	6886
75°	5013	5178	5392	5689	6082
80°	4076	4234	4397	4643	5031
85°	2772	2936	3128	3379	3794

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

Lifetime Data (Tq=25.0°C)

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

Luminous intensities in cd

Intensity for 5100lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	990.0	990.0	990.0	90°	1.1	1.7	4.4
5°	984.8	987.0	990.2	95°	10.1	15.2	31.0
10°	959.4	963.9	970.2	100°	57.4	72.3	87.1
15°	922.0	929.4	941.3	105°	127.7	143.6	155.7
20°	870.2	882.8	898.4	110°	206.8	222.5	232.3
25°	802.9	823.7	844.4	115°	291.1	306.7	313.2
30°	732.3	757.0	781.1	120°	379.0	392.8	399.2
35°	654.5	684.6	714.8	125°	469.1	482.3	487.3
40°	572.3	605.9	640.2	130°	561.6	573.5	576.8
45°	494.2	525.9	561.2	135°	654.8	664.5	667.8
50°	420.7	448.5	484.3	140°	747.3	751.8	754.9
55°	349.6	374.5	406.6	145°	831.6	836.2	836.4
60°	282.1	303.3	331.7	150°	907.8	909.9	906.6
65°	218.6	236.1	259.5	155°	976.2	975.8	969.2
70°	159.4	172.3	191.2	160°	1030.5	1031.1	1022.9
75°	105.4	113.3	127.8	165°	1077.3	1076.6	1067.6
80°	57.5	62.0	70.9	170°	1108.9	1107.0	1108.3
85°	19.6	22.1	26.9	175°	1129.0	1128.5	1128.0
90°	1.1	1.7	4.4	180°	1136.1	1136.1	1136.1

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 5100lm (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	15.3	16.2	16.3	17.2	18.1	16.1	17.0	17.0	17.9	18.8
Y = 3H	16.4	17.2	17.4	18.2	19.1	17.3	18.1	18.3	19.1	20.0
Y = 4H	16.8	17.5	17.7	18.5	19.4	17.7	18.5	18.7	19.4	20.4
Y = 6H	17.0	17.6	18.0	18.6	19.6	17.9	18.6	18.9	19.6	20.6
Y = 8H	17.0	17.7	18.0	18.7	19.6	18.0	18.7	19.0	19.7	20.6
Y = 12H	17.0	17.6	18.0	18.6	19.6	18.0	18.6	19.0	19.6	20.6
X = 4H Y = 2H	15.8	16.5	16.7	17.5	18.4	16.4	17.1	17.4	18.1	19.0
Y = 3H	17.0	17.6	18.0	18.6	19.6	17.8	18.4	18.8	19.4	20.3
Y = 4H	17.5	18.0	18.5	19.0	20.0	18.3	18.8	19.3	19.8	20.8
Y = 6H	17.7	18.2	18.8	19.3	20.2	18.6	19.1	19.6	20.1	21.1
Y = 8H	17.8	18.2	18.8	19.3	20.3	18.7	19.1	19.7	20.2	21.2
Y = 12H	17.8	18.2	18.8	19.2	20.2	18.7	19.1	19.8	20.2	21.2
X = 8H Y = 4H	17.6	18.0	18.6	19.1	20.1	18.3	18.8	19.4	19.8	20.8
Y = 6H	18.0	18.3	19.0	19.4	20.4	18.8	19.1	19.8	20.2	21.2
Y = 8H	18.1	18.4	19.1	19.4	20.5	18.9	19.2	20.0	20.3	21.3
Y = 12H	18.1	18.4	19.2	19.4	20.5	19.0	19.2	20.0	20.3	21.3
X = 12H Y = 4H	17.6	18.0	18.6	19.0	20.0	18.3	18.7	19.3	19.7	20.7
Y = 6H	18.0	18.3	19.0	19.3	20.4	18.7	19.1	19.8	20.1	21.1
Y = 8H	18.1	18.4	19.2	19.4	20.5	18.9	19.2	20.0	20.2	21.3
	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

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

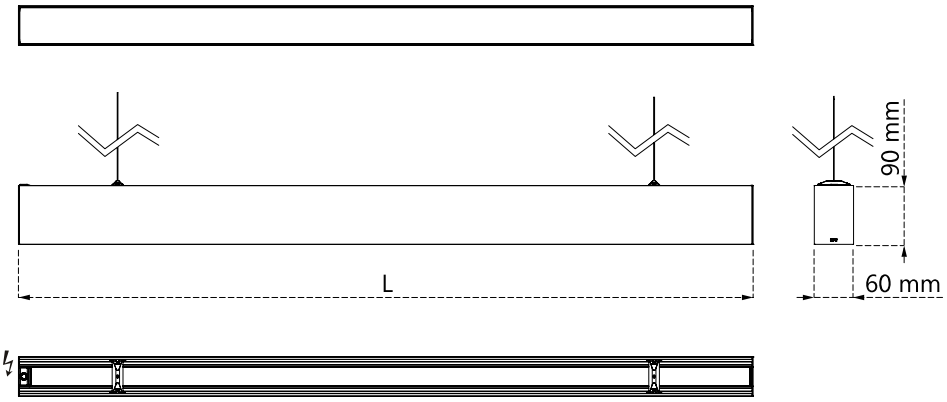
Available accessories

ACC-HI00-X02 *Ceiling cap for suspended luminaires (R7/R3/Ley) - 5 poles terminal block - RAL9006 Aluminium white*

V3-HI01-5P-1500 *Suspension cables set for Ley individual - to combine with ceiling cap - 5 poles power cable - 2 steel cords - 1 cable holder - max. 1,5m*

V3-HI02-5P-1500 *Suspension cables set for Ley individual - minimalist : no ceiling cap - 5 poles power cable - 2 steel cords - 2 cable holders - max. 1,5m*

Dimensional drawing



CODE	L
V3SD*0*/*3*	843 mm
V3SD*0*/*4*	1123 mm
V3SD*0*/*5*	1403 mm
V3SD*0*/*6*	1683 mm
V3SD*0*/*7*	1963 mm
V3SD*0*/*8*	2243 mm
V3SD*0*/*9*	2523 mm
V3SD*0*/*0*	2803 mm