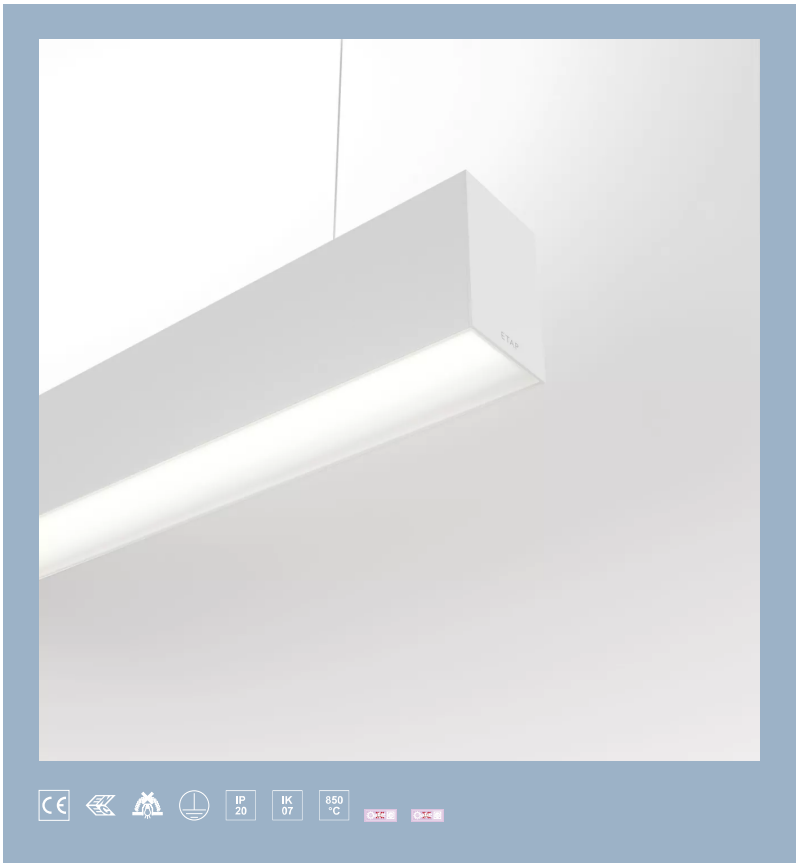
V3SDJ0M/N9LLD0X1



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: 9200 lm

luminous efficacy : 134 lm/W

Product information

Mechanical properties

dimensions : 2523 mm x 60 mm x 90 mm

colour: RAL9003 - white (textured)

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 68.7 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

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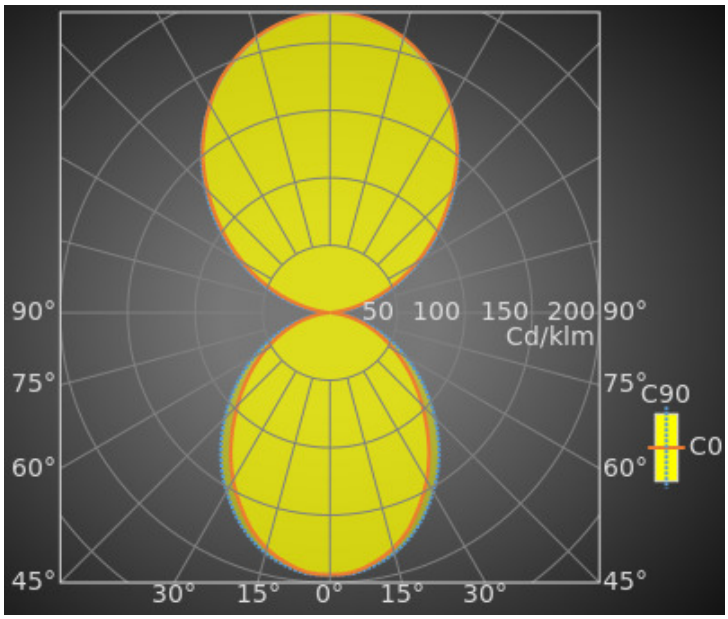
Luminance

luminous flux : 9200 lm

luminous efficacy : 134 lm/W

UGR classification =: <=19

luminous area : 0.15 m²



Average Luminances (Cd/m²) for 9200lm

Gamma	C0	C30	C45	C60	C90
45°	8626	8905	9179	9464	9795
50°	8078	8352	8611	8934	9298
55°	7522	7771	8057	8371	8749
60°	6964	7195	7487	7799	8187
65°	6384	6624	6896	7212	7580
70°	5751	5974	6218	6531	6901
75°	5024	5190	5404	5701	6095
80°	4085	4244	4407	4653	5042
85°	2778	2942	3135	3386	3802

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

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Luminous intensities in cd

Intensity for 9200lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1785.9	1785.9	1785.9	90°	2.0	3.0	7.9
5°	1776.6	1780.5	1786.3	95°	18.3	27.4	55.8
10°	1730.6	1738.8	1750.2	100°	103.5	130.4	157.0
15°	1663.2	1676.6	1698.0	105°	230.3	259.0	280.9
20°	1569.9	1592.6	1620.6	110°	373.0	401.4	419.1
25°	1448.3	1485.9	1523.2	115°	525.0	553.3	565.0
30°	1321.0	1365.7	1409.0	120°	683.7	708.6	720.1
35°	1180.6	1235.0	1289.4	125°	846.1	870.0	879.0
40°	1032.4	1093.0	1154.9	130°	1013.1	1034.6	1040.5
45°	891.5	948.7	1012.3	135°	1181.2	1198.8	1204.7
50°	758.9	809.0	873.6	140°	1348.2	1356.3	1361.8
55°	630.6	675.5	733.5	145°	1500.2	1508.4	1508.8
60°	508.9	547.2	598.3	150°	1637.5	1641.4	1635.5
65°	394.3	426.0	468.2	155°	1761.0	1760.2	1748.3
70°	287.5	310.8	345.0	160°	1858.9	1860.0	1845.2
75°	190.1	204.4	230.6	165°	1943.4	1942.1	1925.8
80°	103.7	111.8	128.0	170°	2000.4	1997.0	1999.2
85°	35.4	39.9	48.4	175°	2036.7	2035.7	2034.9
90°	2.0	3.0	7.9	180°	2049.4	2049.4	2049.4

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 9200lm (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	18.0	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	17.8	18.5	19.4	17.7	18.5	18.7	19.5	20.4
Y = 6H	17.0	17.7	18.0	18.6	19.6	18.0	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	16.8	17.5	18.4	16.4	17.1	17.4	18.1	19.0
Y = 3H	17.0	17.6	18.0	18.7	19.6	17.8	18.4	18.8	19.4	20.4
Y = 4H	17.5	18.0	18.5	19.0	20.0	18.3	18.8	19.3	19.8	20.8
Y = 6H	17.8	18.2	18.8	19.3	20.3	18.6	19.1	19.7	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	20.3	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	19.5	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	21.4
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	21.2
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

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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-X01 *Ceiling cap for suspended luminaires (R7/R3/Ley) - 5 poles terminal block - RAL9003 Signal 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*

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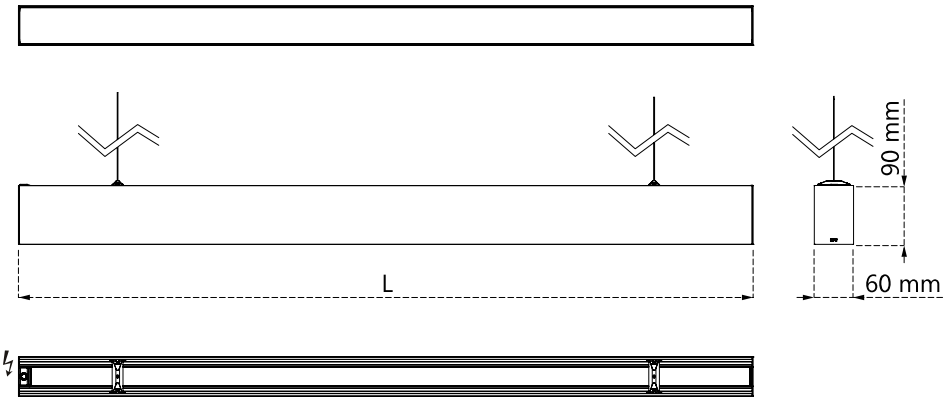
Dimensional drawing



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

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