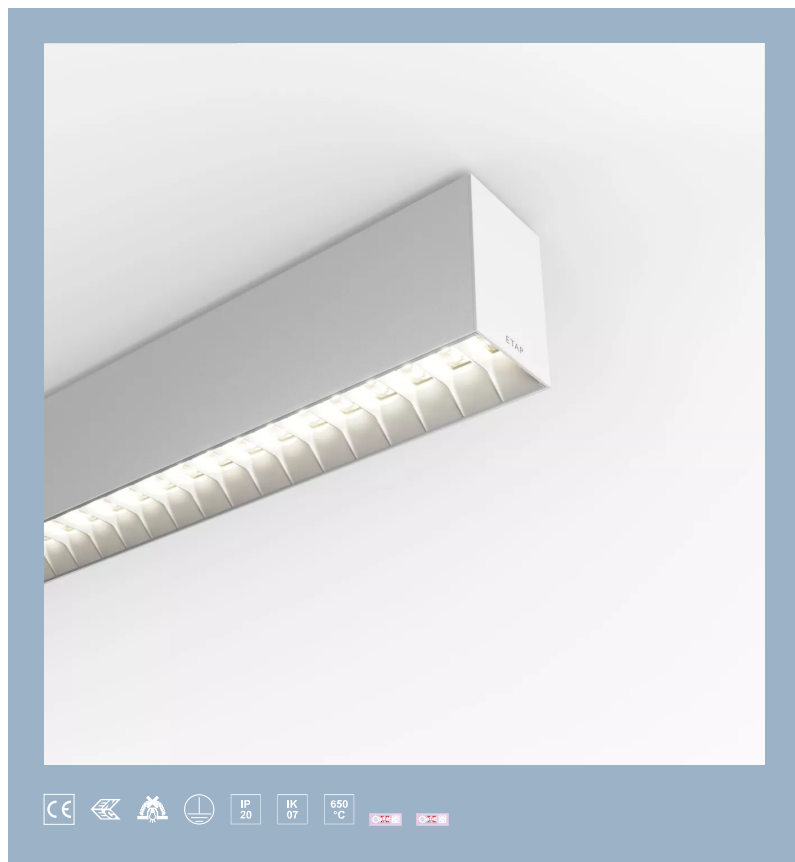


V3RS10M/N6M0D0X1



surface-mounted luminaire • linear

Application : Workspaces, Auditoria, General education area's, General healthcare area's

housing: lacquered aluminium

light source : LED • 4000 K

optics : Shielded lens • white polycarbonate (PC) • medium wide-angle

UGR classification : <=19

luminous flux: 5650 lm

luminous efficacy : 144 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 2739 mm x 60 mm x 90 mm

colour: RAL9003 - white (textured)

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 39.2 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

Luminance

luminous flux : 5650 lm

luminous efficacy : 144 lm/W

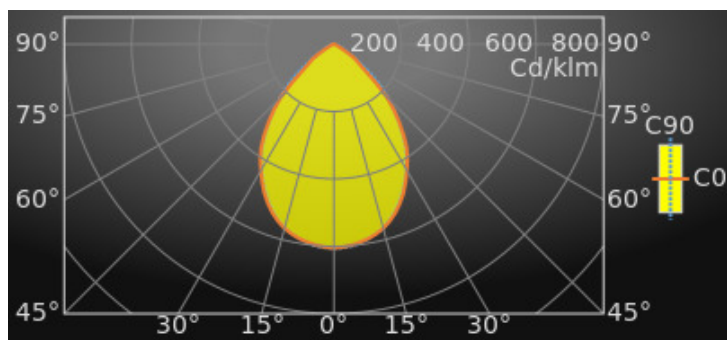
luminance @ 65° = : 3000 cd/m²

UGR classification =: <=19

luminous area : 0.15 m²

Average Luminances (Cd/m²) for 5650lm

Gamma	C0	C30	C45	C60	C90
45°	11555	13515	14319	13502	11784
50°	6652	10794	11776	11212	9243
55°	4921	6420	9077	8631	5441
60°	2126	4491	5489	4611	2746
65°	944	1662	2903	2337	2103
70°	656	798	1075	1513	1461
75°	511	566	685	919	1174
80°	345	426	482	594	986
85°	1	5	58	259	698



Classifications

CIE: 709 / 966 / 997 / 1000 / 1000

CIE FLUXCODE : 0.71 / 0.97 / 1.00 / 1.00 / 1.00

BZ: BZ2

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.71

UTE: 1.00 C + 0.00 T

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	99	4
30	98	6
40	98	8
50	97	10
60	96	12

Luminous intensities in cd

Intensity for 5650lm

Gamma	C0	C45	C90
0°	3419.5	3419.5	3419.5
5°	3383.6	3384.6	3396.3
10°	3313.0	3302.9	3306.6
15°	3197.5	3192.0	3184.8
20°	3010.9	3027.0	2977.2
25°	2757.7	2810.8	2709.4
30°	2444.5	2543.2	2414.2
35°	2125.6	2242.4	2067.3
40°	1699.0	1925.5	1662.3
45°	1251.9	1551.3	1276.7
50°	655.1	1159.7	910.3
55°	432.5	797.7	478.2
60°	162.9	420.5	210.3
65°	61.1	188.0	136.2
70°	34.4	56.4	76.5
75°	20.3	27.2	46.5
80°	9.2	12.8	26.2
85°	0.0	0.8	9.3
90°	0.0	0.0	0.0

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 5650lm (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	18.0	19.6	18.3	19.8	20.1	18.5	20.1	18.8	20.3	20.6	
Y = 3H	17.9	19.3	18.2	19.6	19.8	18.4	19.8	18.8	20.1	20.4	
Y = 4H	17.8	19.1	18.1	19.4	19.7	18.4	19.7	18.7	20.0	20.3	
Y = 6H	17.7	18.9	18.1	19.2	19.6	18.3	19.5	18.7	19.9	20.2	
Y = 8H	17.7	18.8	18.1	19.2	19.5	18.3	19.5	18.7	19.8	20.1	
Y = 12H	17.6	18.7	18.0	19.1	19.4	18.3	19.4	18.7	19.7	20.1	
X = 4H Y = 2H	18.1	19.4	18.5	19.7	20.0	18.5	19.8	18.9	20.1	20.4	
Y = 3H	18.0	19.1	18.4	19.4	19.8	18.5	19.6	18.9	19.9	20.3	
Y = 4H	17.9	18.9	18.3	19.2	19.6	18.5	19.5	18.9	19.8	20.2	
Y = 6H	17.9	18.7	18.3	19.1	19.5	18.5	19.3	18.9	19.7	20.1	
Y = 8H	17.8	18.6	18.3	19.0	19.4	18.5	19.2	18.9	19.6	20.0	
Y = 12H	17.8	18.5	18.3	18.9	19.4	18.4	19.1	18.9	19.6	20.0	
X = 8H Y = 4H	17.9	18.6	18.3	19.0	19.4	18.4	19.2	18.8	19.6	20.0	
Y = 6H	17.8	18.4	18.3	18.9	19.3	18.4	19.0	18.9	19.5	19.9	
Y = 8H	17.8	18.3	18.2	18.8	19.3	18.4	18.9	18.9	19.4	19.9	
Y = 12H	17.7	18.2	18.2	18.7	19.2	18.4	18.8	18.9	19.3	19.8	
X = 12H Y = 4H	17.8	18.5	18.3	18.9	19.4	18.4	19.1	18.8	19.5	19.9	
Y = 6H	17.8	18.3	18.2	18.8	19.3	18.4	18.9	18.8	19.4	19.9	
Y = 8H	17.7	18.2	18.2	18.7	19.2	18.3	18.8	18.8	19.3	19.8	
	UGR Variations with Observer Position for Luminaire Spacings S										
S = 1.0H	+1.4				-2.7		+1.0			-2.1	
S = 1.5H	+2.7				-8.5		+2.0			-6.3	
S = 2.0H	+4.2				-12.3		+3.5			-7.5	

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	108	106	105	102	100	99	98	97	96	90
2	98	94	91	93	90	87	90	87	85	81
3	89	84	80	84	80	77	82	78	76	72
4	81	75	70	77	72	69	75	71	68	64
5	74	67	62	70	65	61	69	64	61	58
6	67	61	56	65	59	55	63	58	55	52
7	62	55	50	60	54	50	58	53	49	47
8	57	50	46	55	49	45	54	49	45	43
9	53	46	42	52	46	41	50	45	41	39
10	50	43	38	48	42	38	47	42	38	36

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	61	53	58	51	59	52	56	51	50	45
0.80	73	65	68	62	70	63	66	61	61	55
1.00	81	73	75	69	77	71	73	68	68	62
1.25	91	83	83	78	86	80	81	77	76	71
1.50	96	89	87	83	91	86	85	81	80	76
2.00	103	97	92	89	97	92	90	87	86	81
2.50	109	103	96	93	101	97	93	91	90	86
3.00	113	108	99	96	105	101	96	94	93	89
4.00	116	112	101	99	107	104	98	96	95	91
5.00	119	116	103	101	109	107	99	98	96	93

Available accessories

V3H2500 *Ceiling mounting brackets*

V3H9900 *Installation file*

V3H9960 *Installation tool*



Dimensional drawing

