R811R1/LEDW15D

luminaire suspendu • rectangulaire

application : Bureaux, Soins de santé, Enseignement, Horeca, Vente au détail, Loisirs

source lumineuse : LED LP • 3000 K

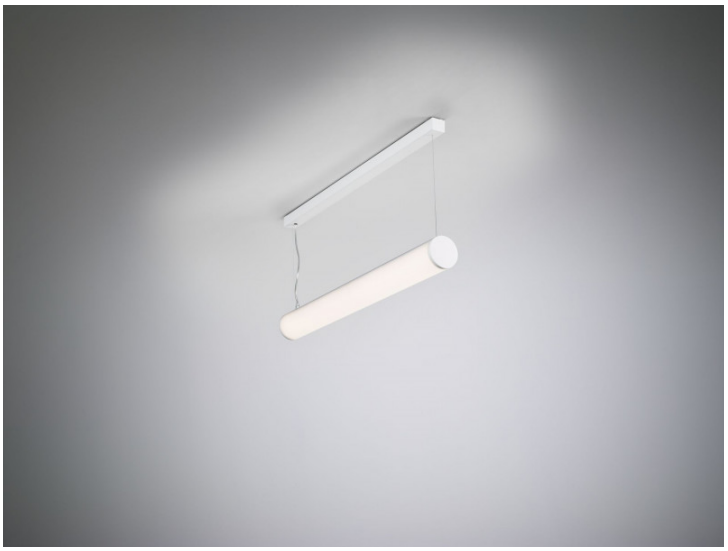
optique : Diffuseur • extensive

classification UGR : <=22

flux lumineux: 1800 lm

flux lumineux spécifique : 113 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)



Caractéristiques mécaniques

dimensions : 787 mm x 80 mm x 121 mm

couleur: RAL9003-blanc (texturé)

type : luminaire individuel

IP: IP20

Equipement électrique

driver: DALI gradable

consommation de courant : 16 W

tension : 220-240V

fréquence : 50-60Hz AC

sécurité photobiologique : EN 62471: RISK GROUP 0 UNLIMITED

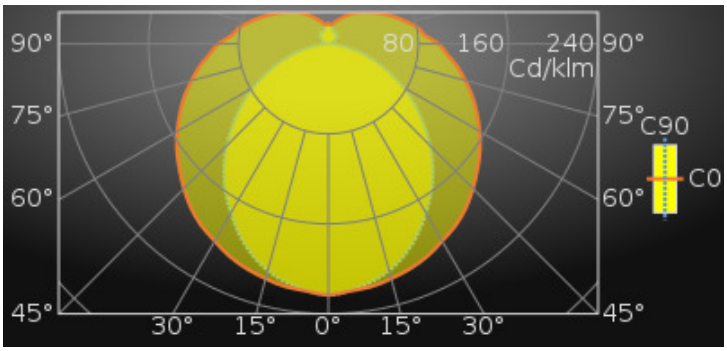
Luminance

flux lumineux : 1800 lm

flux lumineux spécifique : 113 lm/W

classification UGR: <=22

surface lumineuse : 0.06 m²



Average Luminances (Cd/m²) for 1800lm

Gamma	C0	C30	C45	C60	C90
45°	3767	3758	3778	3915	5221
50°	3605	3576	3574	3661	4978
55°	3470	3415	3372	3414	4718
60°	3340	3256	3191	3179	4415
65°	3230	3127	3030	2955	4090
70°	3135	3007	2897	2766	3727
75°	3038	2910	2785	2607	3272
80°	2973	2844	2697	2479	2741
85°	2897	2770	2623	2399	1924

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Classifications

CIE: 300 / 522 / 679 / 788 / 1000

CIE FLUXCODE : 0.38 / 0.66 / 0.86 / 0.79 / 1.00

BZ: BZ10/1.25/BZ5/1.5/BZ10

CAE: CAE 4/5°/CAE 3/25°/CAE 2/75°/CAE 3

DIN: B30 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.79

DIN_SU: Phi su = 0.45

UTE: 0.79 H + 0.21 T

Intensités lumineuses en cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	100	2
20	99	4
30	99	6
40	98	8
50	98	10
60	97	12

Intensity for 1800lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	402.0	402.0	402.0	90°	176.5	114.9	2.2
5°	396.9	396.1	395.9	95°	155.1	99.1	2.0
10°	394.4	390.9	387.6	100°	146.4	92.4	3.2
15°	388.9	382.7	375.8	105°	132.2	83.3	5.0
20°	382.9	371.3	358.5	110°	119.8	75.2	7.3
25°	375.0	356.2	337.1	115°	107.5	68.2	9.9
30°	364.3	339.7	312.1	120°	96.9	62.2	12.2
35°	354.9	321.7	287.6	125°	87.3	57.0	14.2
40°	342.5	301.9	260.5	130°	78.9	52.4	16.6
45°	327.4	280.9	229.8	135°	71.3	48.0	19.0
50°	311.8	260.5	199.2	140°	64.1	44.3	20.3
55°	296.4	238.9	168.4	145°	56.6	41.1	21.3
60°	279.5	217.9	137.4	150°	50.2	37.8	20.9
65°	262.6	197.5	107.6	155°	44.2	34.9	21.5
70°	245.5	178.5	79.3	160°	39.1	32.0	20.8
75°	227.0	160.3	52.7	165°	34.8	29.5	24.7
80°	209.8	143.1	29.6	170°	31.2	29.2	28.7
85°	190.8	126.4	10.4	175°	31.2	31.0	31.3
90°	176.5	114.9	2.2	180°	32.8	32.8	32.8

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 1800lm (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	16.0	17.4	16.6	18.1	18.6	14.7	16.2	15.3	16.8	17.4
Y = 3H	18.1	19.4	18.7	20.0	20.6	16.0	17.3	16.6	17.9	18.5
Y = 4H	19.1	20.3	19.7	21.0	21.6	16.4	17.7	17.1	18.3	19.0
Y = 6H	20.1	21.3	20.8	21.9	22.6	16.7	17.9	17.4	18.6	19.2
Y = 8H	20.6	21.7	21.2	22.4	23.0	16.8	17.9	17.4	18.6	19.2
Y = 12H	21.0	22.1	21.7	22.8	23.5	16.8	17.9	17.5	18.6	19.2
X = 4H Y = 2H	16.5	17.7	17.1	18.4	19.0	15.5	16.8	16.2	17.4	18.0
Y = 3H	18.8	19.9	19.5	20.6	21.2	17.0	18.1	17.7	18.8	19.4
Y = 4H	20.0	21.0	20.7	21.7	22.4	17.6	18.6	18.3	19.3	20.0
Y = 6H	21.2	22.1	21.9	22.8	23.5	18.1	19.0	18.8	19.7	20.4
Y = 8H	21.8	22.6	22.5	23.4	24.1	18.2	19.0	18.9	19.8	20.5
Y = 12H	22.4	23.1	23.1	23.9	24.6	18.2	19.0	19.0	19.8	20.5
X = 8H Y = 4H	20.3	21.1	21.0	21.9	22.5	18.3	19.1	19.0	19.9	20.6
Y = 6H	21.7	22.5	22.5	23.2	23.9	19.0	19.7	19.8	20.5	21.2
Y = 8H	22.5	23.1	23.2	23.9	24.6	19.3	19.9	20.0	20.7	21.4
Y = 12H	23.2	23.8	24.0	24.6	25.4	19.5	20.0	20.2	20.8	21.6
X = 12H Y = 4H	20.3	21.1	21.0	21.8	22.5	18.4	19.2	19.2	19.9	20.7
Y = 6H	21.8	22.5	22.6	23.2	24.0	19.3	19.9	20.1	20.7	21.5
Y = 8H	22.6	23.2	23.4	24.0	24.8	19.7	20.3	20.5	21.0	21.8
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.1		-0.1			+0.1		-0.1		
S = 1.5H	+0.2		-0.2			+0.1		-0.2		
S = 2.0H	+0.2		-0.3			+0.3		-0.4		

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Colour properties

Correlated Colour Temperature : 3000

Ra: 80

Rendement

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	90	88	81	79	77	74	72	70	60
2	81	75	70	69	65	62	63	59	56	48
3	70	63	58	60	55	51	55	50	47	39
4	62	54	48	53	47	43	48	43	39	33
5	55	47	41	48	41	37	43	38	34	28
6	50	41	35	43	36	32	39	34	29	24
7	45	36	31	39	32	28	36	30	26	22
8	41	33	27	36	29	25	33	27	23	19
9	37	29	24	33	26	22	30	25	21	17
10	34	27	22	30	24	20	28	22	19	15

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	41	32	39	31	36	29	35	28	26	19
0.80	51	41	48	39	44	37	42	36	33	25
1.00	59	49	55	46	51	43	48	42	39	30
1.25	67	57	62	54	58	51	55	49	45	36
1.50	74	64	67	59	63	56	59	54	50	40
2.00	82	73	74	67	70	64	65	60	56	46
2.50	89	80	79	72	76	70	70	65	61	51
3.00	94	86	82	77	80	74	74	69	65	54
4.00	100	93	86	82	84	80	77	74	68	58
5.00	104	98	89	85	88	84	80	77	72	61

Esquisse