

US01I1/LEDN30S

luminaire à encastrer • carré

application : bureaux, soins de santé, enseignement, horeca, vente au détail, loisirs

caisson: aluminium laqué avec protection de lampe fermée

source lumineuse : LED LP • 4000 K

optique : softlight • microprisme en acrylate avec film diffuseur • extensive

classification UGR : ≤ 19

flux lumineux: 3000 lm

flux lumineux spécifique : 150 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)



Caractéristiques mécaniques

dimensions : 595 mm x 595 mm x 120 mm

dimensions encastrées : 580 mm x 580 mm

modulation de plafond : M600

couleur: RAL9210-blanc

type : luminaire individuel

Luminance

flux lumineux : 3000 lm

flux lumineux spécifique : 150 lm/W

luminance @ 65° : 3000 cd/m²

classification UGR: ≤ 19

surface lumineuse : 0.33 m²

Equipement électrique

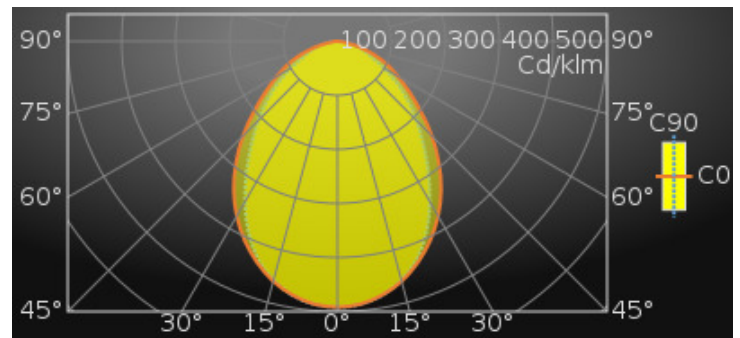
driver: non gradable

consommation de courant : 20 W

tension : 220-240V

fréquence : 50-60Hz AC

sécurité photobiologique : IEC/TR 62778 : RG 0



Average Luminances (Cd/m²) for 3000lm

Gamma	C0	C30	C45	C60	C90
45°	3171	3068	2900	2766	2665
50°	2845	2715	2497	2380	2403
55°	2565	2368	2094	2047	2131
60°	2338	2068	1841	1871	1794
65°	2168	1874	1754	1713	1520
70°	1872	1719	1704	1525	1398
75°	1499	1460	1536	1437	1357

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Classifications

CIE: 583 / 860 / 975 / 1000 / 1000

CIE FLUXCODE : 0.58 / 0.86 / 0.97 / 1.00 / 1.00

BZ: BZ3

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.62

UTE: 1.00 D + 0.00 T

Intensités lumineuses en cd

Lifetime Data (Tq=25.0°C)

Time (khrs)	LLMF	LSF
10.0	1.00	0.98
20.0	0.99	0.96
30.0	0.99	0.94
40.0	0.98	0.92
50.0	0.98	0.90
60.0	0.97	0.88

Intensity for 3000lm

Gamma	C0	C45	C90
0°	1475.5	1475.5	1475.5
5°	1464.3	1464.7	1465.4
10°	1430.8	1435.6	1432.1
15°	1379.5	1379.1	1373.0
20°	1306.4	1298.5	1288.6
25°	1219.9	1200.2	1170.4
30°	1120.0	1083.2	1028.3
35°	1006.4	953.3	880.0
40°	875.8	820.8	742.4
45°	741.4	678.0	623.1
50°	604.7	530.7	510.7
55°	486.4	397.1	404.1
60°	386.5	304.4	296.7
65°	302.9	245.1	212.4
70°	211.6	192.7	158.1
75°	128.3	131.4	116.1
80°	55.2	71.0	68.5
85°	13.2	16.7	21.4
90°	0.2	0.2	0.2

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 3000lm

		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	50	30	30
		Floor	20	20	20	20	20	20	20	20	20	20	20	20	20
Room Dimensions		Viewed Crosswise					Viewed Endwise								
X = 2H	Y = 2H	15.5	17.2	15.8	17.4	17.7	14.2	15.9	14.5	16.1	16.4				
	Y = 3H	16.7	18.2	17.0	18.5	18.8	15.1	16.6	15.4	16.9	17.2				
	Y = 4H	17.0	18.5	17.4	18.8	19.1	15.5	16.9	15.9	17.3	17.6				
	Y = 6H	17.2	18.5	17.6	18.8	19.2	15.8	17.2	16.2	17.5	17.8				
	Y = 8H	17.2	18.5	17.6	18.8	19.2	15.9	17.2	16.3	17.5	17.9				
	Y = 12H	17.2	18.4	17.6	18.7	19.1	15.9	17.2	16.3	17.5	17.8				
X = 4H	Y = 2H	15.7	17.2	16.1	17.5	17.8	14.7	16.1	15.1	16.4	16.8				
	Y = 3H	17.1	18.4	17.5	18.7	19.1	15.8	17.1	16.2	17.4	17.8				
	Y = 4H	17.7	18.8	18.1	19.1	19.5	16.4	17.5	16.8	17.8	18.2				
	Y = 6H	17.9	18.9	18.3	19.3	19.7	16.8	17.8	17.3	18.2	18.6				
	Y = 8H	17.9	18.9	18.4	19.3	19.7	17.0	17.9	17.4	18.3	18.7				
	Y = 12H	17.9	18.8	18.4	19.2	19.6	17.0	17.8	17.5	18.3	18.7				
X = 8H	Y = 4H	17.8	18.7	18.2	19.1	19.5	16.7	17.6	17.1	18.0	18.4				
	Y = 6H	18.2	18.9	18.6	19.4	19.8	17.3	18.0	17.7	18.4	18.9				
	Y = 8H	18.2	18.9	18.7	19.4	19.8	17.4	18.1	17.9	18.6	19.0				
	Y = 12H	18.3	18.8	18.8	19.3	19.8	17.5	18.1	18.0	18.6	19.1				
	X = 12H	Y = 4H	17.8	18.6	18.3	19.1	19.5	16.7	17.5	17.1	17.9	18.4			
	Y = 6H	18.2	18.9	18.7	19.3	19.8	17.3	18.0	17.8	18.4	18.9				
	Y = 8H	18.3	18.9	18.8	19.3	19.9	17.5	18.1	18.0	18.6	19.1				
UGR Variations with Observer Position for Luminaire Spacings S															
S = 1.0H		+0.3					-0.3								
S = 1.5H		+0.3					-0.7								
S = 2.0H		+0.8					-1.0								

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Colour properties

Correlated Colour Temperature : 4000

Ra: 80

Rendement

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	30	30	30	0
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	105	103	101	99	97	95	95	93	92	87
2	93	88	85	88	84	81	84	81	79	74
3	83	77	72	78	73	70	76	71	68	64
4	74	67	62	70	65	61	68	63	60	56
5	67	60	54	64	58	53	62	57	53	50
6	61	54	48	58	52	47	57	51	47	44
7	56	48	43	54	47	42	52	46	42	40
8	52	44	39	49	43	38	48	42	38	36
9	48	40	35	46	39	35	45	39	35	33
10	44	37	32	43	36	32	42	36	32	30

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	50	50	30	0
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	54	46	51	44	52	45	50	44	43	37
0.80	65	56	61	54	62	55	59	53	53	46
1.00	74	65	68	62	70	63	66	60	60	54
1.25	83	75	76	70	78	72	74	69	68	62
1.50	90	81	81	76	84	78	79	74	73	67
2.00	98	90	87	82	91	85	84	80	79	74
2.50	104	97	92	87	96	91	89	85	84	79
3.00	108	103	95	91	100	96	92	89	88	83
4.00	113	108	98	95	103	100	95	92	91	86
5.00	117	112	100	98	106	103	97	95	93	89

Accessoires

US01H010/600 cadre d'encastrement pour plafonds en plaques de plâtre, de bois ...

Esquisse

