

US01K1/LEDN30D

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 polycarbonate avec film diffuseur • extensive

classification UGR : <=19

flux lumineux: 2950 lm

flux lumineux spécifique : 123 lm/W

LLMF: 97% @ 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 : 2950 lm

flux lumineux spécifique : 123 lm/W

luminance @ 65° : 3000 cd/m²

classification UGR: <=19

surface lumineuse : 0.33 m²

Equipement électrique

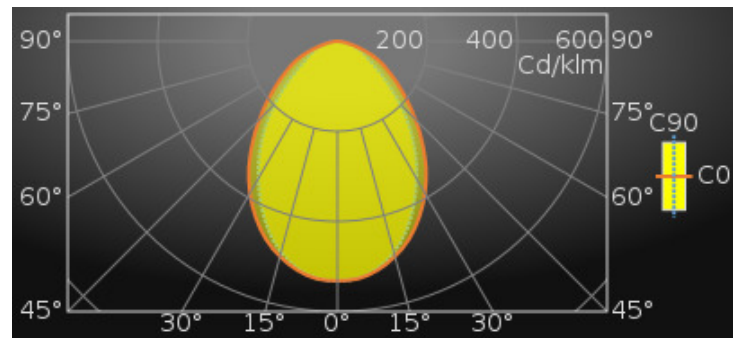
driver: DALI gradable

consommation de courant : 24 W

tension : 220-240V

fréquence : 50-60Hz AC

sécurité photobiologique : IEC/TR 62778 : RG 0



Average Luminances (Cd/m²) for 2950lm

Gamma	C0	C30	C45	C60	C90
45°	3094	2951	2713	2525	2491
50°	2783	2552	2261	2084	2070
55°	2520	2190	1927	1787	1703
60°	2307	1932	1737	1639	1437
65°	2141	1769	1642	1502	1374
70°	1795	1607	1586	1395	1293
75°	1417	1313	1389	1343	1210
80°	974	1053	1094	1150	1078
85°	440	509	555	719	687

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Classifications

CIE: 607 / 870 / 976 / 1000 / 1000

CIE FLUXCODE : 0.61 / 0.87 / 0.98 / 1.00 / 1.00

BZ: BZ3/1.25/BZ2/1.5/BZ3

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.64

UTE: 1.00 D + 0.00 T

Intensités lumineuses en cd

Lifetime Data (Tq=25.0°C)

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

Intensity for 2950lm

Gamma	C0	C45	C90
0°	1568.3	1568.3	1568.3
5°	1560.7	1559.6	1556.9
10°	1522.0	1519.8	1511.5
15°	1459.0	1450.5	1432.1
20°	1377.8	1352.8	1320.1
25°	1271.2	1233.9	1186.2
30°	1149.2	1098.8	1037.4
35°	1013.9	953.3	892.6
40°	866.6	799.8	739.0
45°	723.3	634.2	582.3
50°	591.5	480.4	439.9
55°	477.9	365.5	323.0
60°	381.5	287.2	237.6
65°	299.1	229.4	192.0
70°	203.0	179.3	146.2
75°	121.2	118.9	103.5
80°	55.9	62.8	61.9
85°	12.7	16.0	19.8
90°	0.2	0.2	0.2

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 2950lm (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	16.9	15.6	17.2	17.5	13.4	15.1	13.7	15.3	15.6	
	Y = 3H	16.5	18.0	16.8	18.2	18.5	14.3	15.8	14.6	16.1	16.4	
	Y = 4H	16.8	18.2	17.2	18.5	18.8	14.7	16.1	15.1	16.4	16.7	
	Y = 6H	17.0	18.3	17.3	18.6	18.9	15.0	16.4	15.4	16.7	17.0	
	Y = 8H	17.0	18.2	17.4	18.6	18.9	15.1	16.4	15.5	16.7	17.1	
	Y = 12H	17.0	18.2	17.4	18.5	18.9	15.2	16.4	15.5	16.7	17.0	
X = 4H	Y = 2H	15.5	16.9	15.9	17.2	17.5	14.0	15.4	14.3	15.7	16.0	
	Y = 3H	16.9	18.1	17.3	18.4	18.8	15.1	16.3	15.5	16.7	17.0	
	Y = 4H	17.4	18.5	17.8	18.8	19.2	15.7	16.7	16.1	17.1	17.5	
	Y = 6H	17.6	18.6	18.1	19.0	19.4	16.1	17.1	16.5	17.5	17.9	
	Y = 8H	17.7	18.6	18.1	19.0	19.4	16.2	17.1	16.7	17.5	18.0	
	Y = 12H	17.7	18.5	18.1	18.9	19.4	16.3	17.1	16.7	17.5	18.0	
X = 8H	Y = 4H	17.5	18.4	17.9	18.8	19.2	16.0	16.9	16.4	17.3	17.7	
	Y = 6H	17.9	18.6	18.3	19.0	19.5	16.5	17.3	17.0	17.7	18.2	
	Y = 8H	17.9	18.6	18.4	19.0	19.5	16.7	17.4	17.2	17.8	18.3	
	Y = 12H	17.9	18.5	18.4	19.0	19.5	16.8	17.4	17.3	17.9	18.4	
	X = 12H	Y = 4H	17.5	18.3	18.0	18.7	19.2	16.0	16.8	16.4	17.2	17.7
	Y = 6H	17.9	18.5	18.4	19.0	19.5	16.6	17.2	17.1	17.7	18.2	
	Y = 8H	18.0	18.5	18.5	19.0	19.5	16.8	17.4	17.3	17.8	18.4	
UGR Variations with Observer Position for Luminaire Spacings S												
S = 1.0H		+0.3		-0.3		+0.3		-0.3				
S = 1.5H		+0.4		-0.7		+0.5		-0.7				
S = 2.0H		+0.8		-1.0		+1.0		-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	106	103	101	99	97	96	95	94	92	87
2	94	89	86	88	85	82	85	82	80	75
3	84	78	73	79	74	71	76	72	69	66
4	75	68	64	71	66	62	69	65	61	58
5	68	61	56	65	59	55	63	58	54	51
6	62	55	50	60	53	49	58	52	48	46
7	57	50	44	55	48	44	53	48	44	41
8	53	45	40	51	44	40	49	44	39	37
9	49	41	37	47	41	36	46	40	36	34
10	45	38	34	44	38	33	43	37	33	31

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	55	47	53	46	53	46	51	45	45	39
0.80	67	58	63	56	64	56	61	55	54	48
1.00	75	66	70	63	71	64	67	62	61	55
1.25	85	76	77	71	80	73	75	70	69	64
1.50	91	83	82	77	85	79	80	75	74	69
2.00	99	91	88	83	92	86	85	81	80	75
2.50	104	98	92	88	97	92	89	86	85	80
3.00	109	103	96	92	101	96	93	90	88	84
4.00	113	108	98	95	104	100	95	93	91	87
5.00	117	113	100	98	107	104	97	95	94	90

Accessoires

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

Esquisse

