

US01I1/LEDN40S

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: 4050 lm

flux lumineux spécifique : 145 lm/W

LLMF: 96% @ 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 : 4050 lm

flux lumineux spécifique : 145 lm/W

classification UGR: ≤ 19

surface lumineuse : 0.33 m²

Equipement électrique

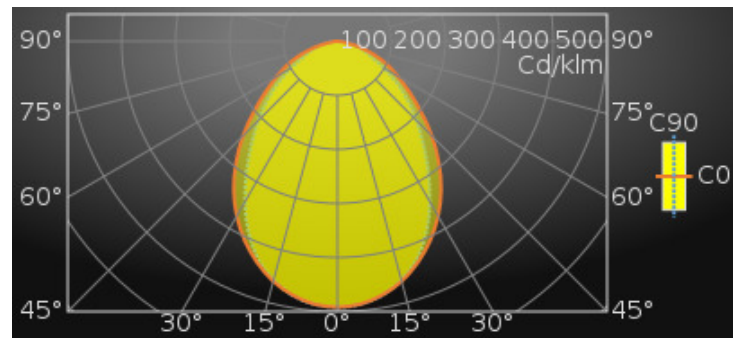
driver: non gradable

consommation de courant : 28 W

tension : 220-240V

fréquence : 50-60Hz AC

sécurité photobiologique : IEC/TR 62778 : RG 0



Average Luminances (Cd/m²) for 4050lm

Gamma	C0	C30	C45	C60	C90
45°	4281	4141	3915	3734	3598
50°	3841	3665	3371	3212	3244
55°	3462	3197	2827	2763	2877
60°	3156	2792	2486	2526	2423
65°	2927	2530	2368	2313	2052
70°	2527	2320	2300	2059	1887
75°	2024	1971	2073	1939	1832
80°	1298	1597	1670	1748	1610
85°	616	704	783	1077	1002

US01I1/LEDN40S

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	0.99	0.98
20.0	0.98	0.96
30.0	0.98	0.94
40.0	0.97	0.92
50.0	0.96	0.90
60.0	0.95	0.88

Intensity for 4050lm

Gamma	C0	C45	C90
0°	1992.0	1992.0	1992.0
5°	1976.8	1977.3	1978.3
10°	1931.6	1938.1	1933.3
15°	1862.3	1861.8	1853.6
20°	1763.7	1753.0	1739.6
25°	1646.9	1620.3	1580.1
30°	1512.0	1462.3	1388.3
35°	1358.7	1286.9	1188.0
40°	1182.3	1108.0	1002.2
45°	1001.0	915.2	841.2
50°	816.4	716.5	689.4
55°	656.6	536.1	545.6
60°	521.7	410.9	400.5
65°	408.9	330.9	286.7
70°	285.7	260.1	213.4
75°	173.2	177.4	156.8
80°	74.5	95.9	92.4
85°	17.8	22.6	28.9
90°	0.2	0.2	0.2

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 4050lm (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	16.5	18.2	16.8	18.5	18.7	15.2	16.9	15.5	17.2	17.4		
	Y = 3H	17.7	19.2	18.1	19.5	19.8	16.1	17.7	16.5	18.0	18.2		
	Y = 4H	18.1	19.5	18.4	19.8	20.1	16.5	18.0	16.9	18.3	18.6		
	Y = 6H	18.2	19.6	18.6	19.9	20.2	16.9	18.2	17.2	18.5	18.9		
	Y = 8H	18.2	19.5	18.6	19.9	20.2	16.9	18.2	17.3	18.6	18.9		
X = 4H	Y = 12H	18.2	19.5	18.6	19.8	20.1	17.0	18.2	17.4	18.5	18.9		
	Y = 2H	16.8	18.2	17.1	18.5	18.8	15.7	17.2	16.1	17.5	17.8		
	Y = 3H	18.2	19.4	18.6	19.8	20.1	16.9	18.1	17.3	18.5	18.8		
	Y = 4H	18.7	19.8	19.1	20.2	20.5	17.4	18.5	17.8	18.9	19.3		
	Y = 6H	19.0	19.9	19.4	20.3	20.7	17.9	18.9	18.3	19.2	19.6		
X = 8H	Y = 8H	19.0	19.9	19.4	20.3	20.7	18.0	18.9	18.4	19.3	19.7		
	Y = 12H	19.0	19.8	19.4	20.2	20.7	18.1	18.9	18.5	19.3	19.7		
	Y = 4H	18.9	19.8	19.3	20.2	20.6	17.7	18.6	18.2	19.0	19.4		
	Y = 6H	19.2	20.0	19.7	20.4	20.9	18.3	19.1	18.8	19.5	20.0		
	Y = 8H	19.3	19.9	19.8	20.4	20.9	18.5	19.1	19.0	19.6	20.1		
X = 12H	Y = 12H	19.3	19.9	19.8	20.3	20.9	18.6	19.1	19.1	19.6	20.1		
	Y = 4H	18.9	19.7	19.3	20.1	20.5	17.7	18.5	18.2	19.0	19.4		
	Y = 6H	19.2	19.9	19.7	20.4	20.8	18.3	19.0	18.8	19.4	19.9		
	Y = 8H	19.3	19.9	19.8	20.4	20.9	18.5	19.1	19.0	19.6	20.1		
UGR Variations with Observer Position for Luminaire Spacings S													
S = 1.0H		+0.3			-0.3			+0.2			-0.3		
S = 1.5H		+0.3			-0.7			+0.3			-0.6		
S = 2.0H		+0.8			-1.0			+0.8			-1.1		

US01I1/LEDN40S

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

