

US01K1/LEDN35S

luminária de encastrar • quadrada

aplicação : Escritório, Saúde, Ensino, Horeca, Retalho, Lazer

base: aço lacada com proteção fechada da lâmpada

fonte de luz : LED LP • 4000 K

óptica : Softlight • extensiva

classificação UGR : <=19

fluxo luminoso: 3400 lm

fluxo luminoso específico : 117 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)



Medidas

dimensões : 595 mm x 595 mm x 120 mm

medida encastrável : 580 mm x 580 mm

módulo do tecto : M600

cor: RAL9210-branco

tipo : luminária individual

IP: IP20

Luminance

fluxo luminoso : 3400 lm

fluxo luminoso específico : 117 lm/W

luminância @ 65° : 3000 cd/m²

classificação UGR: <=19

área luminosa : 0.33 m²

Equipamento eléctrico

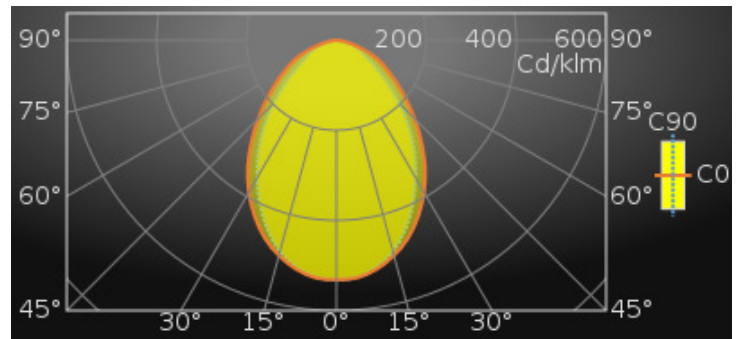
driver: não regulável

consumo de corrente : 29 W

tensão : 220-240V

frequência : 50-60Hz AC

segurança fotobiológica : EN 62471: RISK GROUP 0 UNLIMITED



Average Luminances (Cd/m²) for 3400lm

Gamma	C0	C30	C45	C60	C90
45°	3566	3401	3127	2910	2871
50°	3208	2941	2605	2401	2386
55°	2904	2524	2222	2060	1963
60°	2659	2227	2002	1889	1656
65°	2467	2039	1893	1731	1584
70°	2069	1852	1828	1608	1490
75°	1633	1513	1601	1548	1394
80°	1123	1213	1261	1326	1242
85°	507	586	640	829	792

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Classificações

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

Intensidades luminosas em cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	98	4
30	98	6
40	97	8
50	96	10
60	95	12

Intensity for 3400lm

Gamma	C0	C45	C90
0°	1807.6	1807.6	1807.6
5°	1798.8	1797.6	1794.4
10°	1754.2	1751.7	1742.1
15°	1681.6	1671.8	1650.5
20°	1588.0	1559.2	1521.4
25°	1465.1	1422.2	1367.1
30°	1324.5	1266.4	1195.7
35°	1168.5	1098.7	1028.8
40°	998.8	921.8	851.7
45°	833.6	731.0	671.1
50°	681.8	553.7	507.0
55°	550.8	421.3	372.3
60°	439.6	331.0	273.8
65°	344.7	264.4	221.3
70°	234.0	206.7	168.5
75°	139.7	137.0	119.3
80°	64.4	72.4	71.3
85°	14.6	18.4	22.8
90°	0.2	0.2	0.2

classificação UGR

Corrected Glare Ratings for a Total Lamp Flux of 3400lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)												
	Ceiling	Walls	Floor	70	50	30	70	50	30	70	50	30	
	70	70	50	50	30	70	70	50	50	30	70	50	30
	50	30	50	30	30	50	30	50	30	30	50	30	30
	20	20	20	20	20	20	20	20	20	20	20	20	20
	Viewed Crosswise					Viewed Endwise							
X = 2H Y = 2H	15.8	17.4	16.1	17.7	18.0	13.9	15.6	14.2	15.8	16.1			
Y = 3H	17.0	18.5	17.3	18.7	19.0	14.8	16.3	15.1	16.6	16.9			
Y = 4H	17.3	18.7	17.7	19.0	19.3	15.2	16.6	15.6	16.9	17.2			
Y = 6H	17.5	18.8	17.8	19.1	19.4	15.5	16.8	15.9	17.2	17.5			
Y = 8H	17.5	18.7	17.9	19.1	19.4	15.6	16.9	16.0	17.2	17.6			
Y = 12H	17.5	18.7	17.8	19.0	19.4	15.6	16.9	16.0	17.2	17.5			
X = 4H Y = 2H	16.0	17.4	16.4	17.7	18.0	14.5	15.9	14.8	16.2	16.5			
Y = 3H	17.4	18.6	17.8	18.9	19.3	15.6	16.8	16.0	17.2	17.5			
Y = 4H	17.9	18.9	18.3	19.3	19.7	16.2	17.2	16.6	17.6	18.0			
Y = 6H	18.1	19.1	18.6	19.5	19.9	16.6	17.6	17.0	17.9	18.4			
Y = 8H	18.2	19.1	18.6	19.5	19.9	16.7	17.6	17.2	18.0	18.4			
Y = 12H	18.2	19.0	18.6	19.4	19.8	16.8	17.6	17.2	18.0	18.5			
X = 8H Y = 4H	18.0	18.9	18.4	19.3	19.7	16.5	17.3	16.9	17.8	18.2			
Y = 6H	18.4	19.1	18.8	19.5	20.0	17.0	17.8	17.5	18.2	18.7			
Y = 8H	18.4	19.1	18.9	19.5	20.0	17.2	17.9	17.7	18.3	18.8			
Y = 12H	18.4	19.0	18.9	19.5	20.0	17.3	17.9	17.8	18.4	18.9			
X = 12H Y = 4H	18.0	18.8	18.5	19.2	19.7	16.5	17.3	16.9	17.7	18.1			
Y = 6H	18.4	19.0	18.9	19.5	20.0	17.1	17.7	17.6	18.2	18.7			
Y = 8H	18.5	19.0	19.0	19.5	20.0	17.3	17.8	17.8	18.3	18.8			
	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

Eficiência

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

Acessórios

US01H010/600 *Moldura de encastrar, para tecto de pladur, madeira, ...*

Esboço

