

R811R1/LEDN15D

luminária suspensa • linear

aplicação : escritório, saúde, ensino, horeca, retalho, lazer

fonte de luz : LED LP • 4000 K

óptica : Difusor • HaloOptics® para rendimento elevado • extensiva

classificação UGR : <=22

fluxo luminoso: 1450 lm

fluxo luminoso específico : 121 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)



Medidas

dimensões : 787 mm x 80 mm x 121 mm

cor: RAL9003-branco (texturado)

tipo : luminária individual

Luminance

fluxo luminoso : 1450 lm

fluxo luminoso específico : 121 lm/W

classificação UGR: <=22

área luminosa : 0.06 m²

Equipamento eléctrico

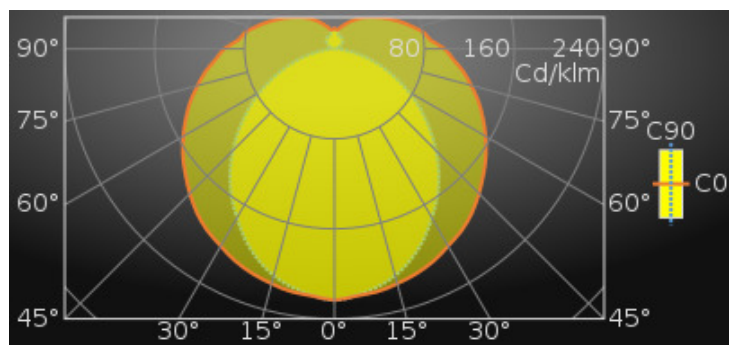
driver: DALI regulável

consumo de corrente : 12 W

tensão : 220-240V

frequência : 50-60Hz AC

segurança fotobiológica : IEC/TR 62778: RG 0



Average Luminances (Cd/m²) for 1450lm

Gamma	C0	C30	C45	C60	C90
45°	3035	3027	3043	3154	4206
50°	2904	2881	2879	2950	4010
55°	2795	2751	2716	2750	3800
60°	2691	2623	2570	2561	3557
65°	2602	2519	2441	2381	3295
70°	2526	2423	2334	2228	3003
75°	2447	2344	2243	2100	2636
80°	2395	2291	2173	1997	2208
85°	2334	2231	2113	1933	1550

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Classificações

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

DIN_SO: Phi so = 0.42

UTE: 0.79 H + 0.21 T

Intensidades luminosas em 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	0.99	0.92
50.0	0.98	0.90
60.0	0.98	0.88

Intensity for 1450lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	323.8	323.8	323.8	90°	142.2	92.5	1.7
5°	319.7	319.1	318.9	95°	125.0	79.9	1.6
10°	317.7	314.9	312.3	100°	117.9	74.5	2.6
15°	313.3	308.3	302.7	105°	106.5	67.1	4.1
20°	308.4	299.1	288.8	110°	96.5	60.6	5.9
25°	302.1	287.0	271.6	115°	86.6	54.9	8.0
30°	293.4	273.6	251.4	120°	78.1	50.1	9.9
35°	285.9	259.2	231.7	125°	70.3	45.9	11.5
40°	275.9	243.2	209.9	130°	63.5	42.2	13.4
45°	263.8	226.3	185.1	135°	57.4	38.7	15.3
50°	251.2	209.8	160.4	140°	51.7	35.7	16.4
55°	238.7	192.4	135.7	145°	45.6	33.1	17.2
60°	225.2	175.5	110.7	150°	40.5	30.4	16.9
65°	211.5	159.1	86.7	155°	35.6	28.1	17.3
70°	197.8	143.8	63.9	160°	31.5	25.8	16.8
75°	182.8	129.1	42.5	165°	28.1	23.8	19.9
80°	169.0	115.3	23.9	170°	25.1	23.5	23.1
85°	153.7	101.8	8.4	175°	25.1	25.0	25.2
90°	142.2	92.5	1.7	180°	26.4	26.4	26.4

classificação UGR

Corrected Glare Ratings for a Total Lamp Flux of 1450lm (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	16.7	15.8	17.3	17.9	14.0	15.4	14.6	16.0	16.6	
	Y = 3H	17.3	18.6	17.9	19.3	19.9	15.2	16.6	15.9	17.2	17.8	
	Y = 4H	18.4	19.6	19.0	20.3	20.9	15.7	16.9	16.3	17.6	18.2	
	Y = 6H	19.3	20.5	20.0	21.2	21.8	16.0	17.1	16.6	17.8	18.4	
	Y = 8H	19.8	21.0	20.5	21.6	22.3	16.0	17.2	16.7	17.8	18.5	
	Y = 12H	20.3	21.4	21.0	22.1	22.7	16.0	17.1	16.7	17.8	18.4	
X = 4H	Y = 2H	15.7	17.0	16.4	17.6	18.3	14.8	16.0	15.4	16.7	17.3	
	Y = 3H	18.1	19.1	18.7	19.8	20.5	16.3	17.4	16.9	18.0	18.7	
	Y = 4H	19.3	20.2	19.9	20.9	21.6	16.9	17.9	17.6	18.6	19.2	
	Y = 6H	20.5	21.4	21.2	22.1	22.8	17.3	18.2	18.0	18.9	19.6	
	Y = 8H	21.1	21.9	21.8	22.6	23.3	17.4	18.3	18.2	19.0	19.7	
	Y = 12H	21.6	22.4	22.3	23.1	23.8	17.5	18.3	18.2	19.0	19.7	
X = 8H	Y = 4H	19.5	20.4	20.3	21.1	21.8	17.5	18.4	18.3	19.1	19.8	
	Y = 6H	21.0	21.7	21.7	22.5	23.2	18.3	19.0	19.0	19.7	20.5	
	Y = 8H	21.7	22.4	22.5	23.1	23.9	18.5	19.2	19.3	19.9	20.7	
	Y = 12H	22.5	23.1	23.3	23.8	24.6	18.7	19.3	19.5	20.1	20.8	
	X = 12H	Y = 4H	19.5	20.3	20.3	21.1	21.8	17.7	18.4	18.4	19.2	19.9
	Y = 6H	21.1	21.7	21.8	22.5	23.2	18.6	19.2	19.3	20.0	20.7	
	Y = 8H	21.9	22.5	22.7	23.2	24.0	19.0	19.5	19.7	20.3	21.1	
UGR Variations with Observer Position for Luminaire Spacings S												
S = 1.0H		+0.1					-0.1					
S = 1.5H		+0.2					-0.2					
S = 2.0H		+0.2					-0.3					

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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	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 (%)									
	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	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

Esboço

