

# R810R1/LEDN25S

luminaire en saillie • rectangulaire

*application* : Bureaux, Soins de santé, Enseignement, Horeca, Vente au détail, Loisirs

*source lumineuse* : LED LP • 4000 K

*optique* : Diffuseur • extensive

*classification UGR* :  $\leq 25$

*flux lumineux*: 2550 lm

*flux lumineux spécifique* : 121 lm/W

*LLMF*: 96% @ 50khrs (Tq=25°C)



## Caractéristiques mécaniques

*dimensions* : 787 mm x 80 mm x 121 mm

*couleur*: RAL9003-blanc (texturé)

*type* : luminaire individuel

*IP*: IP20

## Luminance

*flux lumineux* : 2550 lm

*flux lumineux spécifique* : 121 lm/W

*classification UGR*:  $\leq 25$

*surface lumineuse* : 0.06 m<sup>2</sup>

## Equipement électrique

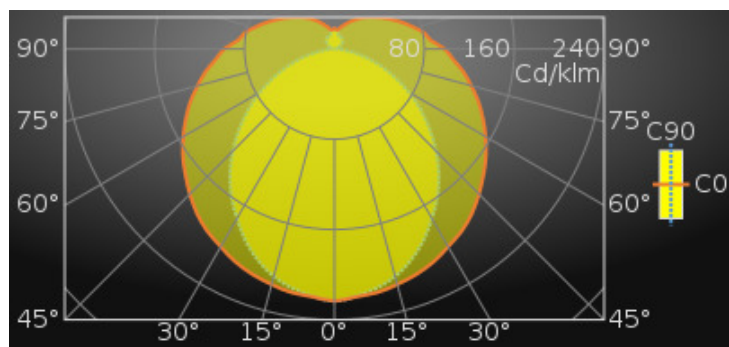
*driver*: non gradable

*consommation de courant* : 21 W

*tension* : 220-240V

*fréquence* : 50-60Hz AC

*sécurité photobiologique* : EN 62471: RISK GROUP 0 UNLIMITED



Average Luminances (Cd/m<sup>2</sup>) for 2550lm

Gamma	C0	C30	C45	C60	C90
45°	5337	5324	5352	5546	7397
50°	5106	5066	5064	5187	7052
55°	4916	4838	4777	4836	6684
60°	4732	4613	4520	4503	6255
65°	4575	4429	4293	4187	5794
70°	4442	4261	4104	3918	5281
75°	4303	4122	3945	3693	4636
80°	4211	4029	3821	3513	3884
85°	4104	3924	3716	3399	2726

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## Classifications

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

UTE: 0.79 H + 0.21 T

## Intensités lumineuses en 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 2550lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	569.4	569.4	569.4	90°	250.1	162.7	3.1
5°	562.2	561.2	560.9	95°	219.8	140.5	2.8
10°	558.7	553.8	549.1	100°	207.4	130.9	4.6
15°	551.0	542.2	532.4	105°	187.3	118.0	7.1
20°	542.4	526.0	507.9	110°	169.8	106.5	10.4
25°	531.2	504.7	477.6	115°	152.3	96.6	14.0
30°	516.0	481.2	442.1	120°	137.3	88.1	17.4
35°	502.8	455.8	407.4	125°	123.7	80.8	20.1
40°	485.3	427.6	369.1	130°	111.7	74.3	23.6
45°	463.9	397.9	325.5	135°	101.0	68.0	26.9
50°	441.7	369.0	282.1	140°	90.8	62.8	28.8
55°	419.9	338.4	238.6	145°	80.2	58.3	30.2
60°	396.0	308.7	194.7	150°	71.2	53.5	29.7
65°	372.0	279.9	152.4	155°	62.6	49.4	30.4
70°	347.8	252.8	112.4	160°	55.3	45.3	29.5
75°	321.6	227.1	74.7	165°	49.3	41.8	35.0
80°	297.2	202.8	42.0	170°	44.2	41.3	40.7
85°	270.4	179.0	14.8	175°	44.2	43.9	44.3
90°	250.1	162.7	3.1	180°	46.4	46.4	46.4

## classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 2550lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)													
	Ceiling	Walls	Floor	70	70	50	50	30	30	70	70	50	50	30
	Viewed Crosswise					Viewed Endwise								
X = 2H Y = 2H	17.2	18.6	17.8	19.3	19.8	16.0	17.4	16.5	18.0	18.6				
Y = 3H	19.3	20.6	19.9	21.2	21.8	17.2	18.5	17.8	19.2	19.8				
Y = 4H	20.3	21.6	21.0	22.2	22.8	17.7	18.9	18.3	19.6	20.2				
Y = 6H	21.3	22.5	22.0	23.2	23.8	17.9	19.1	18.6	19.8	20.4				
Y = 8H	21.8	22.9	22.5	23.6	24.2	18.0	19.1	18.7	19.8	20.4				
Y = 12H	22.3	23.3	22.9	24.0	24.7	18.0	19.1	18.7	19.8	20.4				
X = 4H Y = 2H	17.7	19.0	18.3	19.6	20.2	16.7	18.0	17.4	18.6	19.2				
Y = 3H	20.0	21.1	20.7	21.8	22.4	18.2	19.3	18.9	20.0	20.6				
Y = 4H	21.2	22.2	21.9	22.9	23.6	18.8	19.8	19.5	20.5	21.2				
Y = 6H	22.4	23.3	23.1	24.0	24.7	19.3	20.2	20.0	20.9	21.6				
Y = 8H	23.0	23.8	23.7	24.6	25.3	19.4	20.2	20.1	21.0	21.7				
Y = 12H	23.6	24.3	24.3	25.1	25.8	19.4	20.2	20.2	21.0	21.7				
X = 8H Y = 4H	21.5	22.3	22.2	23.1	23.8	19.5	20.3	20.2	21.1	21.8				
Y = 6H	23.0	23.7	23.7	24.4	25.2	20.2	20.9	21.0	21.7	22.4				
Y = 8H	23.7	24.3	24.5	25.1	25.8	20.5	21.1	21.3	21.9	22.7				
Y = 12H	24.5	25.0	25.2	25.8	26.6	20.7	21.2	21.5	22.0	22.8				
X = 12H Y = 4H	21.5	22.3	22.2	23.0	23.7	19.6	20.4	20.4	21.2	21.9				
Y = 6H	23.0	23.7	23.8	24.4	25.2	20.5	21.1	21.3	21.9	22.7				
Y = 8H	23.9	24.4	24.6	25.2	26.0	20.9	21.5	21.7	22.3	23.0				
<b>UGR Variations with Observer Position for Luminaire Spacings S</b>														
S = 1.0H	+0.1		-0.1		+0.1		-0.1							
S = 1.5H	+0.2		-0.2		+0.1		-0.2							
S = 2.0H	+0.2		-0.3		+0.3		-0.4							

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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	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

## Esquisse

