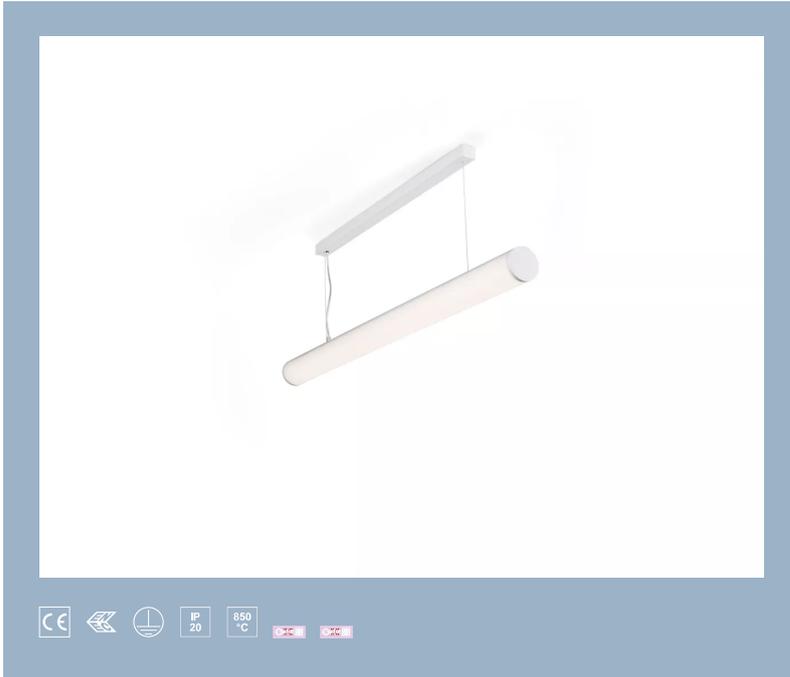


# R821R1/LEDN25D



## Pendelleuchte • linear

**Anwendung** : Allgemeine Bürobereiche, Allgemeine Bildungsbereiche, Allgemeine Gesundheitsbereiche

**Lichtquelle** : LED • 4000 K

**Optik** : HaloOptics Diffusor • Polycarbonat (PC)  
HaloOptics® • breit strahlend

**UGR-Klassifizierung** : <=22

**Lichtstrom**: 2550 lm

**Spezifischer Lichtstrom** : 128 lm/W

**LLMF**: 98% @ 50khrs (Tq=25°C)

## Product information

### Mechanische Merkmale

**Abmessungen** : 1162 mm x 80 mm x 121 mm

**Farbe**: RAL9003 - signalweiß (Strukturlack)

**Typ** : Einzelleuchte

**IP**: IP20

### Elektrische Ausrüstung

**Betriebsgerät**: DALI dimmbar

**Anschlussleistung** : 20 W

**Spannung** : 220-240V

**Frequenz** : 50-60Hz AC

**Fotobiologische Sicherheit** : EN 62471: RISK GROUP 0  
UNLIMITED

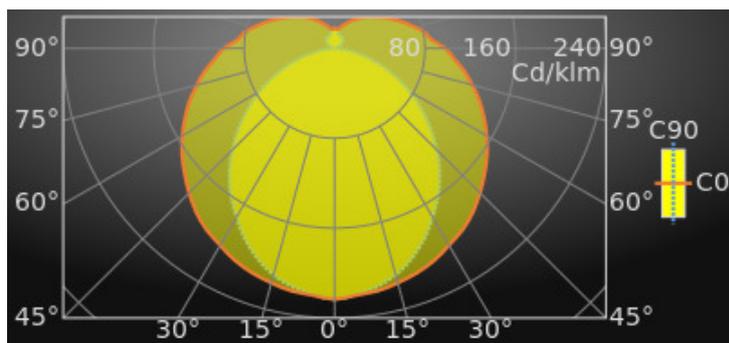
## Leuchtdichte

Lichtstrom : 2550 lm

Spezifischer Lichtstrom : 128 lm/W

UGR-Klassifizierung =: <=22

leuchtende Fläche : 0.09 m<sup>2</sup>



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

Gamma	C0	C30	C45	C60	C90
45°	3604	3596	3614	3745	4996
50°	3449	3421	3420	3503	4763
55°	3320	3267	3226	3266	4514
60°	3196	3115	3053	3041	4224
65°	3090	2991	2899	2828	3913
70°	3000	2877	2772	2646	3566
75°	2906	2784	2664	2494	3131
80°	2844	2721	2580	2372	2623
85°	2772	2650	2509	2295	1841

## Klassifikationen

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

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	100	2
20	99	4
30	99	6
40	98	8
50	98	10
60	98	12

**UGR-Klassifizierung =**

Corrected Glare Ratings for a Total Lamp Flux of 2550lm (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		15.9	17.3	16.4	17.9	18.5	14.6	16.0	15.2	16.6	17.2	
Y = 3H		17.9	19.2	18.5	19.9	20.5	15.8	17.2	16.5	17.8	18.4	
Y = 4H		18.9	20.2	19.6	20.8	21.5	16.3	17.5	16.9	18.2	18.8	
Y = 6H		19.9	21.1	20.6	21.8	22.4	16.6	17.7	17.2	18.4	19.0	
Y = 8H		20.4	21.6	21.1	22.2	22.9	16.6	17.8	17.3	18.4	19.1	
Y = 12H		20.9	22.0	21.6	22.7	23.3	16.6	17.7	17.3	18.4	19.0	
X = 4H Y = 2H		16.3	17.6	17.0	18.2	18.9	15.4	16.6	16.0	17.3	17.9	
Y = 3H		18.7	19.7	19.3	20.4	21.1	16.9	18.0	17.5	18.6	19.3	
Y = 4H		19.9	20.8	20.5	21.5	22.2	17.5	18.5	18.2	19.2	19.8	
Y = 6H		21.1	22.0	21.8	22.7	23.4	17.9	18.8	18.6	19.5	20.2	
Y = 8H		21.7	22.5	22.4	23.2	23.9	18.0	18.9	18.8	19.6	20.3	
Y = 12H		22.2	23.0	22.9	23.7	24.4	18.1	18.9	18.8	19.6	20.3	
X = 8H Y = 4H		20.1	21.0	20.9	21.7	22.4	18.1	19.0	18.9	19.7	20.4	
Y = 6H		21.6	22.3	22.3	23.1	23.8	18.9	19.6	19.6	20.3	21.1	
Y = 8H		22.3	23.0	23.1	23.7	24.5	19.1	19.8	19.9	20.5	21.3	
Y = 12H		23.1	23.7	23.9	24.4	25.2	19.3	19.9	20.1	20.7	21.4	
X = 12H Y = 4H		20.1	20.9	20.9	21.7	22.4	18.3	19.0	19.0	19.8	20.5	
Y = 6H		21.7	22.3	22.4	23.1	23.8	19.2	19.8	19.9	20.6	21.3	
Y = 8H		22.5	23.1	23.3	23.8	24.6	19.5	20.1	20.3	20.9	21.7	
UGR Variations with Observer Position for Luminaire Spacings S												
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	

**Lichtstärken in cd**

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

**Colour properties**

Correlated Colour Temperature : 4000

Farbwiedergabeindex Ra: CRI (Ra) 80



## Leuchten-Betriebwirkungsgrad

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
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 (%)									
<b>Ceiling</b>	80	80	80	50	50	50	50	50	30	0
<b>Walls</b>	50	30	50	30	50	30	50	30	30	0
<b>Floor</b>	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

## Zubehör

R8H10 *Kupplungsstück für Inline-Montage*

## Vermaßte Skizze

