R811R1/LEDN15S

Pendelleuchte • linear

Anwendung : Büro, Gesundheitswesen, Bildungswesen, Bewirtung, Einzelhandel, Freizeit

Lichtquelle : LED LP • 4000 K

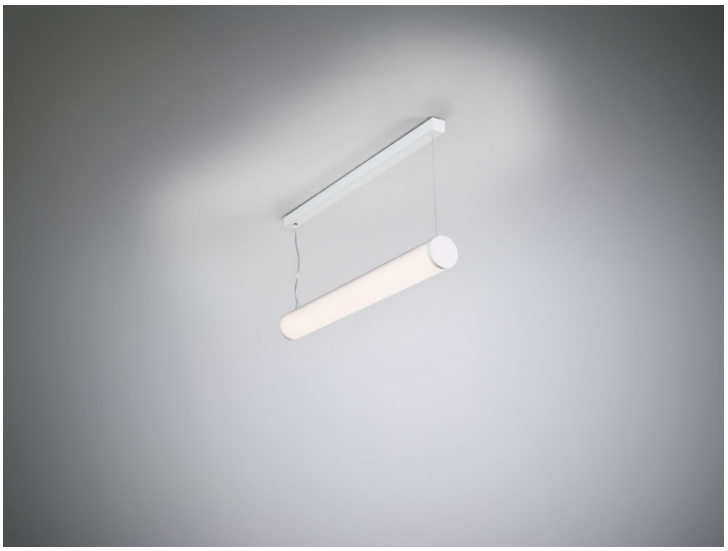
Optik : Diffusor • breit strahlend

UGR-Klassifizierung : <=22

Lichtstrom: 1900 lm

Spezifischer Lichtstrom : 119 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)



Mechanische Merkmale

Abmessungen : 787 mm x 80 mm x 121 mm

Farbe: RAL9003-signalweiß (Strukturlack)

Typ : Einzelleuchte

IP: IP20

Elektrische Ausrüstung

Betriebsgerät: nicht dimmbar

Stromverbrauch : 16 W

Spannung : 220-240V

Frequenz : 50-60Hz AC

Fotobiologische Sicherheit : EN 62471: RISK GROUP 0 UNLIMITED

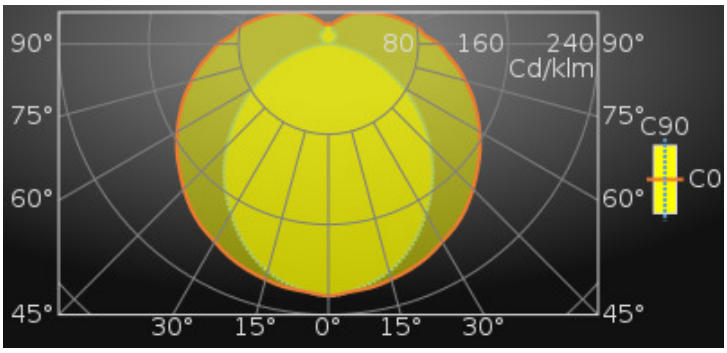
Leuchtdichte

Lichtstrom : 1900 lm

Spezifischer Lichtstrom : 119 lm/W

UGR-Klassifizierung: <=22

leuchtende Fläche : 0.06 m²



Average Luminances (Cd/m²) for 1900lm

Gamma	C0	C30	C45	C60	C90
45°	3976	3967	3988	4132	5512
50°	3805	3775	3773	3865	5255
55°	3663	3604	3559	3603	4980
60°	3526	3437	3368	3356	4661
65°	3409	3300	3198	3120	4317
70°	3309	3175	3058	2919	3935
75°	3206	3071	2939	2752	3454
80°	3138	3002	2847	2617	2894
85°	3058	2924	2769	2532	2031

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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

Lichtstärken in cd

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	97	12

Intensity for 1900lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	424.3	424.3	424.3	90°	186.4	121.3	2.3
5°	418.9	418.2	417.9	95°	163.7	104.7	2.1
10°	416.3	412.6	409.2	100°	154.5	97.6	3.4
15°	410.6	404.0	396.7	105°	139.5	87.9	5.3
20°	404.2	391.9	378.5	110°	126.5	79.4	7.8
25°	395.8	376.0	355.8	115°	113.5	72.0	10.4
30°	384.5	358.5	329.4	120°	102.3	65.7	12.9
35°	374.7	339.6	303.6	125°	92.2	60.2	15.0
40°	361.6	318.6	275.0	130°	83.2	55.3	17.6
45°	345.6	296.5	242.6	135°	75.2	50.7	20.0
50°	329.1	275.0	210.2	140°	67.7	46.8	21.4
55°	312.8	252.1	177.8	145°	59.8	43.4	22.5
60°	295.0	230.0	145.0	150°	53.0	39.9	22.1
65°	277.2	208.5	113.6	155°	46.6	36.8	22.6
70°	259.2	188.4	83.8	160°	41.2	33.8	22.0
75°	239.6	169.2	55.6	165°	36.8	31.1	26.1
80°	221.4	151.1	31.3	170°	32.9	30.8	30.3
85°	201.4	133.4	11.0	175°	32.9	32.7	33.0
90°	186.4	121.3	2.3	180°	34.6	34.6	34.6

UGR-Klassifizierung

Corrected Glare Ratings for a Total Lamp Flux of 1900lm (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	16.2	17.6	16.8	18.2	18.8	14.9	16.4	15.5	17.0	17.5
Y = 3H	18.3	19.6	18.9	20.2	20.8	16.2	17.5	16.8	18.1	18.7
Y = 4H	19.3	20.5	19.9	21.2	21.8	16.6	17.9	17.3	18.5	19.1
Y = 6H	20.3	21.5	20.9	22.1	22.8	16.9	18.1	17.6	18.7	19.4
Y = 8H	20.8	21.9	21.4	22.6	23.2	17.0	18.1	17.6	18.8	19.4
Y = 12H	21.2	22.3	21.9	23.0	23.6	17.0	18.1	17.6	18.7	19.4
X = 4H Y = 2H	16.7	17.9	17.3	18.6	19.2	15.7	17.0	16.3	17.6	18.2
Y = 3H	19.0	20.1	19.7	20.8	21.4	17.2	18.3	17.9	19.0	19.6
Y = 4H	20.2	21.2	20.9	21.9	22.5	17.8	18.8	18.5	19.5	20.2
Y = 6H	21.4	22.3	22.1	23.0	23.7	18.3	19.1	19.0	19.9	20.6
Y = 8H	22.0	22.8	22.7	23.6	24.3	18.4	19.2	19.1	19.9	20.6
Y = 12H	22.6	23.3	23.3	24.1	24.8	18.4	19.2	19.2	19.9	20.7
X = 8H Y = 4H	20.5	21.3	21.2	22.0	22.7	18.5	19.3	19.2	20.0	20.7
Y = 6H	21.9	22.6	22.7	23.4	24.1	19.2	19.9	20.0	20.7	21.4
Y = 8H	22.7	23.3	23.4	24.1	24.8	19.5	20.1	20.2	20.9	21.6
Y = 12H	23.4	24.0	24.2	24.8	25.6	19.7	20.2	20.4	21.0	21.8
X = 12H Y = 4H	20.5	21.2	21.2	22.0	22.7	18.6	19.4	19.4	20.1	20.8
Y = 6H	22.0	22.6	22.8	23.4	24.2	19.5	20.1	20.3	20.9	21.6
Y = 8H	22.8	23.4	23.6	24.2	25.0	19.9	20.4	20.7	21.2	22.0
	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		

R811R1/LEDN15S

Colour properties

Correlated Colour Temperature : 4000

Farbwiedergabeindex 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 (%)									
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

Vermaßte Skizze