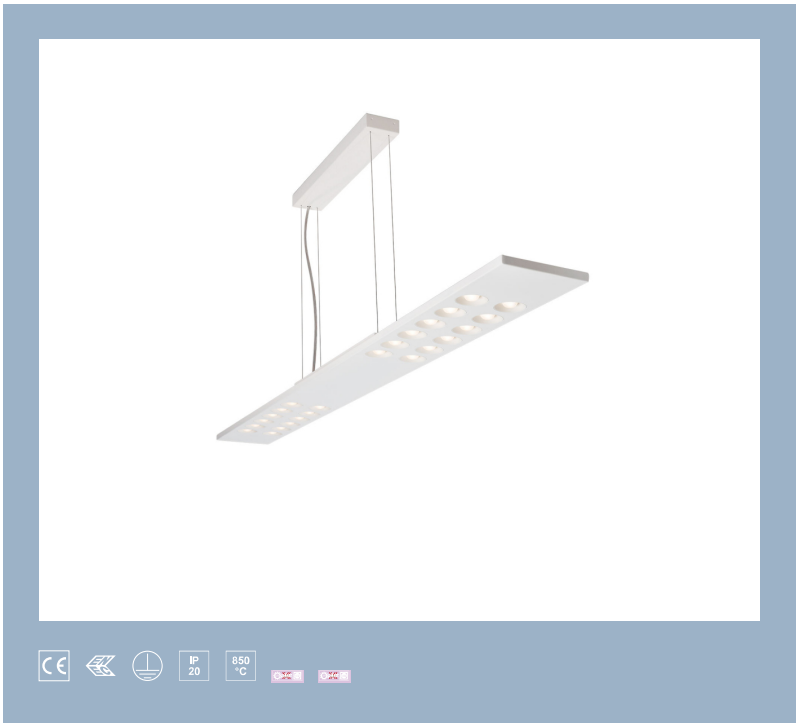
R711R1/LEDN2435DX1



Pendelleuchte • linear

Anwendung : Arbeitsbereiche, Klassenräume, Auditorien

Gehäuse: Lackiertes Stahlblech

Lichtquelle : LED • 4000 K

Optik : LED+LENS™ • Polycarbonat (PC) Linse und Cup • mittelbreit strahlend

UGR-Klassifizierung : <=16

Lichtstrom: 3600 lm

Spezifischer Lichtstrom : 133 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanische Merkmale

Abmessungen : 1500 mm x 150 mm x 50 mm

Farbe: RAL9003 - signalweiß (Strukturlack)

Typ : Einzelleuchte

IP: IP20

Elektrische Ausrüstung

Betriebsgerät: DALI dimmbar

Anschlussleistung : 27 W

Spannung : 220-240V

Frequenz : 50-60Hz AC

Fotobiologische Sicherheit : EN 62471: RISK GROUP 1 UNLIMITED

Leuchtdichte

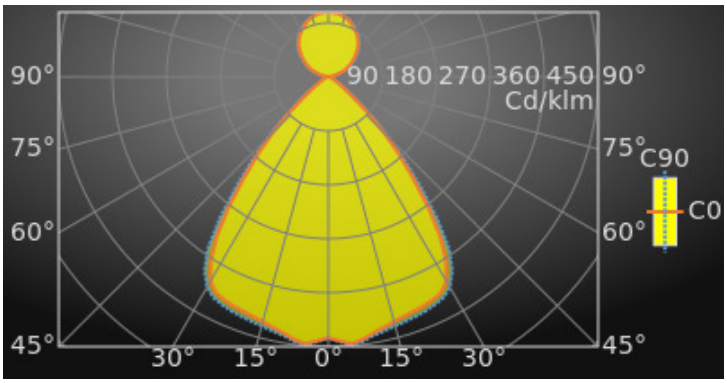
Lichtstrom : 3600 lm

Spezifischer Lichtstrom : 133 lm/W

Leuchtdichte @ 65° <= : 1000 cd/m²

UGR-Klassifizierung <=: <=16

leuchtende Fläche : 0.12 m²



Average Luminances (Cd/m²) for 3600lm

Gamma	C0	C30	C45	C60	C90
45°	5636	5972	5609	6039	6045
50°	2772	2943	2755	3027	3225
55°	1490	1469	1407	1541	1624
60°	870	908	859	929	929
65°	613	642	599	641	665
70°	486	503	480	504	525
75°	412	426	407	440	443
80°	347	375	346	379	408
85°	238	297	238	299	337

Klassifikationen

CIE: 578 / 692 / 704 / 707 / 1000

CIE FLUXCODE : 0.82 / 0.98 / 1.00 / 0.71 / 1.00

BZ: BZ1

CAE: Symmetrical

DIN: B62 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.71

DIN_SU: Phi su = 0.75

UTE: 0.71 B + 0.29 T

Lifetime Data (Tq=25.0°C)

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

Lichtstärken in cd

Intensity for 3600lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1566.1	1566.1	1566.1	90°	0.4	0.6	0.9
5°	1607.5	1606.4	1614.6	95°	10.2	7.8	4.9
10°	1561.3	1568.7	1575.7	100°	9.7	28.5	27.2
15°	1521.7	1534.7	1548.1	105°	45.6	61.7	57.8
20°	1497.0	1508.0	1530.2	110°	87.5	93.0	90.1
25°	1478.6	1491.9	1509.2	115°	121.0	126.8	123.9
30°	1417.4	1457.8	1457.5	120°	153.9	160.6	158.4
35°	1169.6	1228.8	1262.7	125°	186.3	194.8	194.3
40°	786.6	812.6	856.2	130°	216.6	227.0	226.2
45°	468.7	466.4	502.7	135°	249.0	257.9	258.3
50°	209.5	208.2	243.8	140°	276.7	284.3	285.2
55°	100.5	94.9	109.5	145°	301.5	308.8	311.3
60°	51.1	50.5	54.6	150°	322.8	330.6	330.4
65°	30.5	29.8	33.1	155°	341.2	349.5	348.4
70°	19.6	19.3	21.1	160°	358.8	364.1	363.4
75°	12.5	12.4	13.5	165°	372.8	375.9	374.6
80°	7.1	7.1	8.3	170°	382.2	382.9	382.5
85°	2.4	2.4	3.5	175°	386.9	387.6	387.4
90°	0.4	0.6	0.9	180°	388.5	388.5	388.5

UGR-Klassifizierung <=

Corrected Glare Ratings for a Total Lamp Flux of 3600lm (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	13.0	14.0	13.6	14.7	15.3	13.0	14.1	13.7	14.8	15.4
Y = 3H	12.8	13.7	13.5	14.4	15.1	12.8	13.8	13.5	14.5	15.1
Y = 4H	12.7	13.6	13.4	14.3	14.9	12.7	13.6	13.5	14.3	15.0
Y = 6H	12.6	13.4	13.3	14.1	14.8	12.6	13.4	13.4	14.2	14.8
Y = 8H	12.5	13.3	13.3	14.0	14.7	12.6	13.4	13.3	14.1	14.8
Y = 12H	12.5	13.2	13.2	14.0	14.7	12.5	13.3	13.3	14.0	14.7
X = 4H Y = 2H	12.7	13.5	13.4	14.3	14.9	12.7	13.6	13.4	14.3	15.0
Y = 3H	12.5	13.2	13.3	14.0	14.7	12.6	13.3	13.3	14.0	14.7
Y = 4H	12.4	13.0	13.2	13.8	14.5	12.5	13.1	13.2	13.9	14.6
Y = 6H	12.3	12.9	13.1	13.7	14.4	12.4	12.9	13.2	13.7	14.5
Y = 8H	12.3	12.8	13.1	13.6	14.4	12.3	12.8	13.1	13.6	14.4
Y = 12H	12.2	12.7	13.0	13.5	14.3	12.3	12.7	13.1	13.6	14.3
X = 8H Y = 4H	12.3	12.8	13.1	13.6	14.3	12.3	12.8	13.1	13.6	14.4
Y = 6H	12.2	12.6	13.0	13.4	14.2	12.2	12.6	13.1	13.5	14.3
Y = 8H	12.1	12.5	13.0	13.3	14.2	12.2	12.5	13.0	13.4	14.2
Y = 12H	12.1	12.4	12.9	13.3	14.1	12.1	12.4	13.0	13.3	14.2
X = 12H Y = 4H	12.2	12.6	13.0	13.5	14.3	12.2	12.7	13.1	13.5	14.3
Y = 6H	12.1	12.5	13.0	13.3	14.1	12.2	12.5	13.0	13.4	14.2
Y = 8H	12.1	12.4	12.9	13.3	14.1	12.1	12.4	13.0	13.3	14.2
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+2.6		-5.6			+2.5		-5.8		
S = 1.5H	+4.7		-7.7			+4.7		-7.6		
S = 2.0H	+6.6		-8.6			+6.7		-8.6		

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	102	100	99	87	86	85	78	77	77	65
2	93	89	87	80	77	76	72	70	69	58
3	84	80	76	73	70	67	66	64	62	53
4	77	71	67	67	63	60	61	58	55	48
5	70	64	60	61	57	54	56	53	50	43
6	64	58	53	56	52	48	52	48	45	40
7	59	52	48	52	47	44	48	44	41	36
8	54	48	43	48	43	40	45	40	37	33
9	50	43	39	45	40	36	42	37	34	30
10	46	40	36	42	37	33	39	35	32	28

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	56	49	53	47	50	45	48	44	42	35
0.80	67	59	63	57	60	54	57	53	50	43
1.00	75	67	69	64	66	60	62	58	55	47
1.25	83	76	76	71	73	68	69	65	61	53
1.50	89	82	80	76	77	72	72	69	64	56
2.00	96	89	85	82	82	78	76	74	68	60
2.50	101	95	89	86	86	82	79	77	71	62
3.00	105	100	92	89	89	85	81	80	74	64
4.00	108	104	94	91	91	88	83	81	75	65
5.00	111	108	96	94	93	91	84	83	77	67

Zubehör

R7H11/100-3 *Pendelsatz - Mini-Sockel - 3-polig - max. 1 m*

R7H11/100-5 *Pendelsatz - Mini-Sockel - 5-polig - max. 1 m*

R7H11/100-7 *Pendelsatz - Mini-Sockel - 7-polig - max. 1 m*

R7H12/100-3X1 *Pendelsatz - Baldachin (RAL9003-weiss) - 3-polig - max. 1 m*

R7H12/100-3X2 *Pendelsatz - Baldachin (RAL9006-weissaluminium) - 3-polig - max. 1 m*

R7H12/100-5X1 *Pendelsatz - Baldachin (RAL9003-weiss) - 5-polig - max. 1 m*

R7H12/100-5X2 *Pendelsatz - Baldachin (RAL9006-weissaluminium) - 5-polig - max. 1 m*

R7H12/100-7X1 *Pendelsatz - Baldachin (RAL9003-weiss) - 7-polig - max. 1 m*

R7H12/100-7X2 *Pendelsatz - Baldachin (RAL9006-weissaluminium) - 7-polig - max. 1 m*

R7H12/200-3X1 *Pendelsatz - Baldachin (RAL9003-weiss) - 3-polig - max. 2 m*

Vermaßte Skizze