
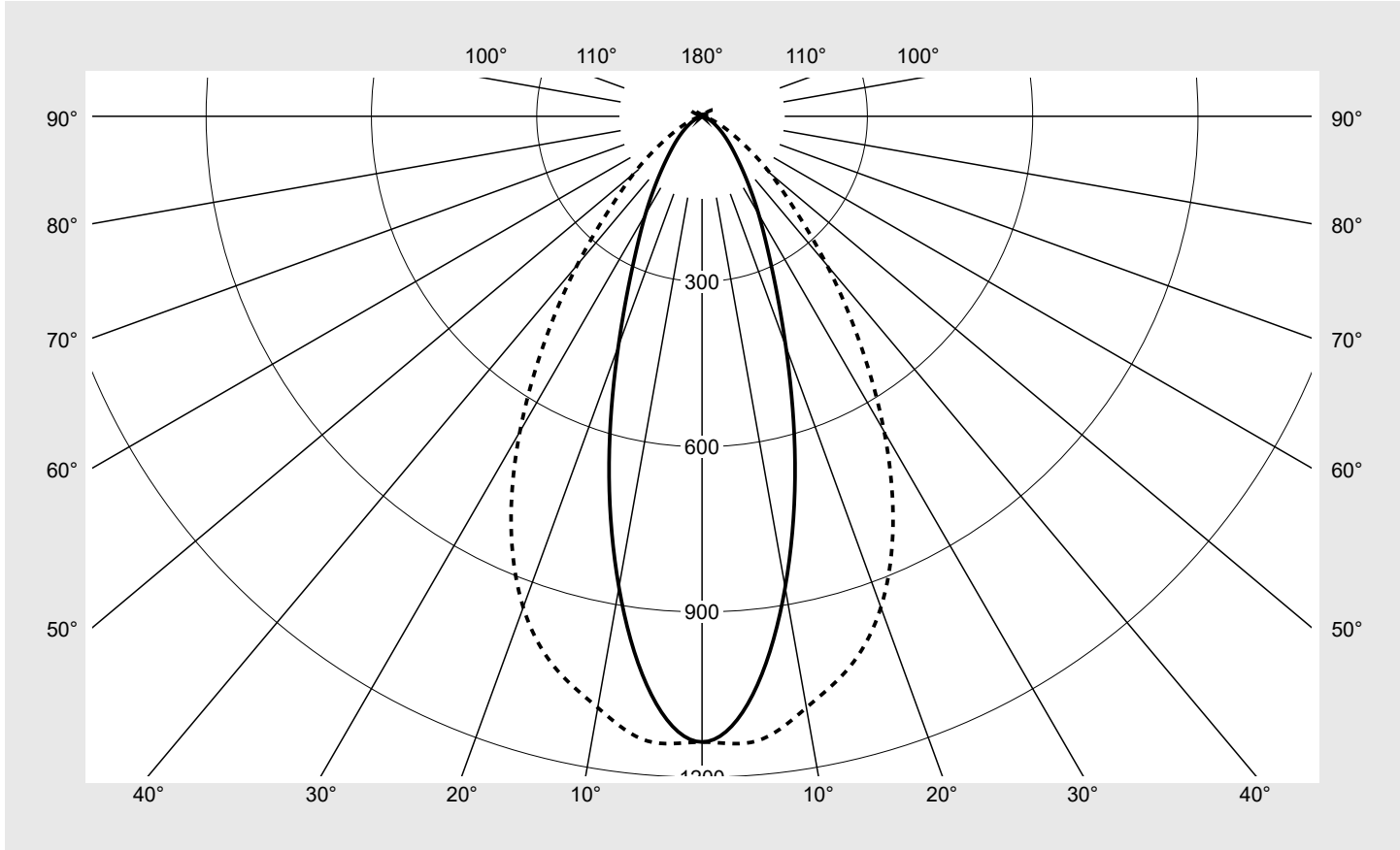


Photometric test report

Family Trunking Flex 31	Order number: 51RF1EDB49XG5 EAN: 4069025516176	LP number 59804_113
	Version primary light control with lens, transparent, PMMA, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9000 lm Power consumption = 49.7 W Luminous efficacy = 181.1 lm/W	serial documentation 15.10.2025
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1139 cd/klm**



Classifications	
DIN 5040	A 6 2
CIE	N1=80 N2=96 N3=99 N4=95 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	94.9%
ϕ_o	5.1%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
0°	1136.2	1136.2	1136.2	1136.2	1136.2	1136.2	1136.2	6.8	6.8
5°	1054.4	1060.7	1075.6	1092.3	1108.0	1131.1	1138.6	52.3	59.1
10°	868.6	876.4	906.9	970.4	1030.6	1069.7	1090.3	92.5	151.6
15°	651.9	662.3	713.1	792.0	905.5	998.6	1035.1	116.2	267.8
20°	444.1	454.6	521.3	624.3	752.8	884.8	948.9	122.9	390.7
25°	295.6	308.2	349.7	469.7	609.4	739.8	820.0	117.2	507.9
30°	205.5	217.0	247.8	327.0	467.1	589.9	661.2	104.2	612.1
35°	141.8	151.1	178.3	239.4	343.8	443.1	496.5	87.8	699.9
40°	98.2	105.4	128.3	175.6	244.3	324.5	352.2	70.7	770.6
45°	70.2	74.1	90.5	128.2	178.7	223.6	235.6	54.8	825.4
50°	49.9	52.7	65.3	94.0	127.0	151.6	161.9	41.7	867.1
55°	34.5	35.9	46.3	65.0	89.1	100.0	102.2	30.3	897.4
60°	22.9	23.9	30.4	44.9	57.7	64.7	61.5	20.9	918.2
65°	14.2	14.6	19.4	29.1	37.2	37.8	35.9	13.5	931.8
70°	10.4	8.7	10.9	16.9	22.3	20.0	19.1	8.0	939.8
75°	6.9	5.2	6.6	10.2	11.9	11.1	9.7	4.7	944.5
80°	4.1	3.4	4.4	5.7	6.3	5.9	4.7	2.7	947.2
85°	4.0	2.5	2.6	3.2	4.0	2.7	1.7	1.6	948.8
90°	2.1	1.9	2.0	2.4	2.0	1.3	0.8	1.0	949.8
95°	2.9	2.5	2.5	3.0	2.5	1.7	1.3	1.3	951.1
100°	3.2	4.1	5.4	5.9	7.0	3.5	2.4	2.6	953.7
105°	4.3	5.8	11.5	12.7	19.8	9.3	3.3	5.5	959.2
110°	6.2	7.9	17.9	21.7	23.4	19.7	8.1	8.4	967.6
115°	6.1	9.6	17.3	20.2	20.9	23.8	19.3	8.6	976.3
120°	8.5	10.2	14.0	16.5	18.0	20.9	23.1	7.6	983.8
125°	7.7	8.9	10.8	12.2	13.6	15.8	17.7	5.5	989.4
130°	6.4	7.0	7.5	8.5	10.0	11.8	11.5	3.8	993.1
135°	4.7	4.8	5.3	6.1	6.6	8.3	7.8	2.4	995.5
140°	3.2	3.5	4.3	4.6	4.9	5.6	5.1	1.6	997.1
145°	6.0	4.5	3.5	3.3	3.6	3.7	3.6	1.2	998.3
150°	2.7	2.2	2.0	2.3	2.7	2.6	2.3	0.7	999.0
155°	1.6	1.6	1.7	1.8	2.1	1.9	1.6	0.4	999.4
160°	1.2	1.4	1.5	1.7	1.9	1.3	1.5	0.3	999.7
165°	1.1	1.2	1.2	1.3	1.3	1.2	1.2	0.2	999.9
170°	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.1	1000.0
175°	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.0	1000.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	1000.0

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UGR-Table	Standard room	siteco	
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	15.9	17.2	16.2	17.5	17.8	21.9	23.2	22.2	23.5	23.8
	3H	16.0	17.2	16.4	17.5	17.8	22.1	23.2	22.5	23.5	23.9
	4H	16.0	17.1	16.4	17.5	17.8	22.1	23.1	22.5	23.5	23.8
	6H	16.0	17.0	16.4	17.4	17.8	22.1	23.0	22.5	23.4	23.8
	8H	16.1	17.0	16.5	17.4	17.8	22.2	22.9	22.6	23.3	23.7
	12H	16.1	17.0	16.6	17.4	17.8	22.1	22.8	22.6	23.2	23.7
4H	2H	16.6	17.6	17.0	18.0	18.4	21.8	22.9	22.2	23.2	23.6
	3H	16.8	17.6	17.2	18.0	18.4	22.1	22.9	22.5	23.3	23.8
	4H	16.8	17.6	17.2	18.0	18.4	22.1	22.9	22.5	23.3	23.7
	6H	16.8	17.5	17.3	17.9	18.4	22.1	22.8	22.6	23.2	23.7
	8H	16.8	17.4	17.3	17.9	18.4	22.1	22.7	22.6	23.1	23.6
	12H	16.9	17.4	17.4	17.9	18.4	22.1	22.6	22.6	23.1	23.6
8H	4H	17.0	17.5	17.4	18.0	18.5	22.0	22.6	22.5	23.1	23.6
	6H	17.0	17.5	17.5	18.0	18.5	22.0	22.5	22.5	23.0	23.5
	8H	17.0	17.4	17.5	17.9	18.5	22.0	22.5	22.5	22.9	23.5
	12H	17.1	17.5	17.6	18.0	18.5	22.0	22.4	22.6	22.9	23.4
12H	4H	17.0	17.4	17.5	17.9	18.4	22.0	22.5	22.5	23.0	23.5
	6H	17.0	17.4	17.5	17.9	18.4	22.0	22.4	22.5	22.9	23.4
	8H	17.1	17.4	17.6	17.9	18.5	22.0	22.4	22.5	22.9	23.4

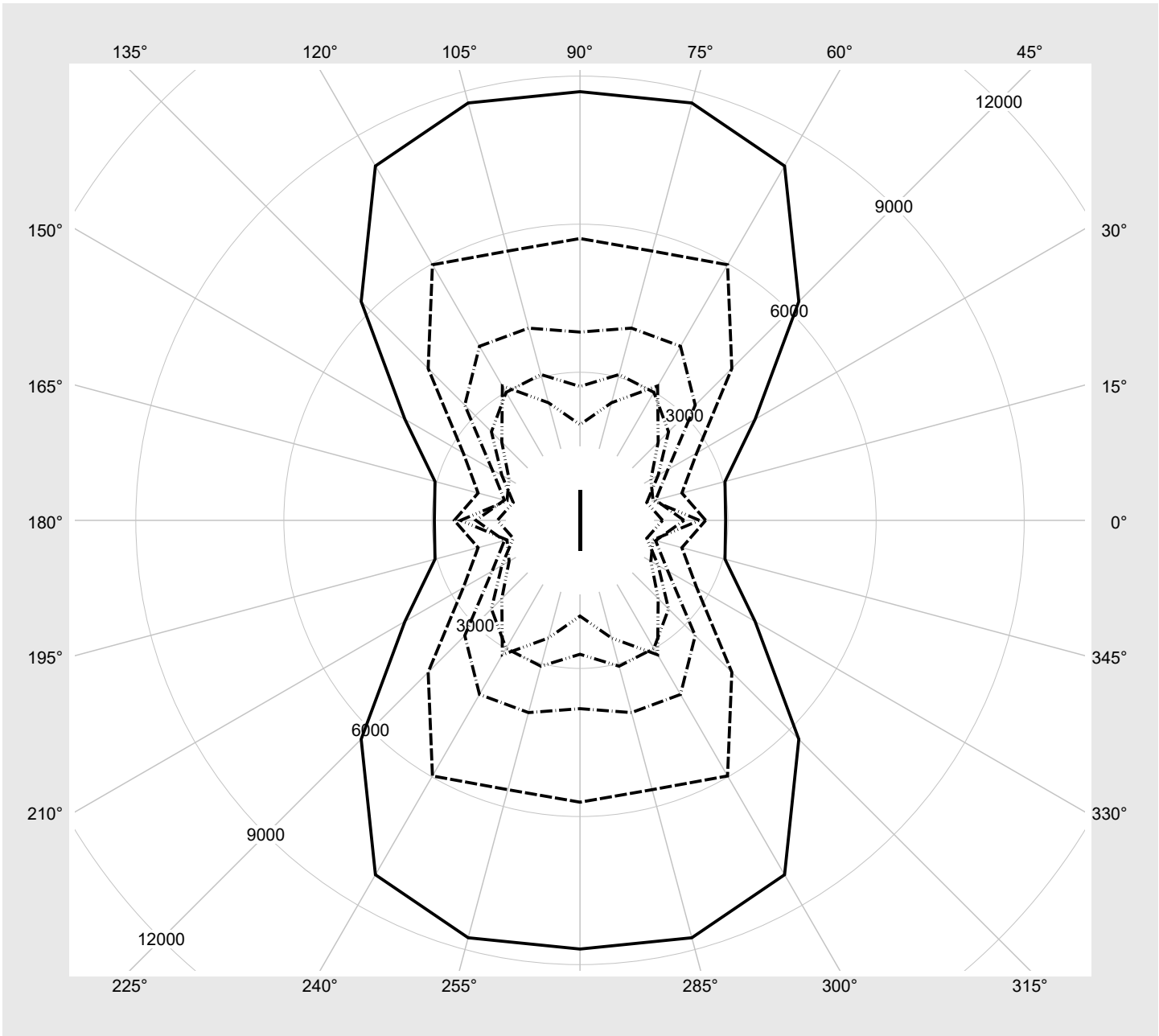
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9453.4	9994.6	12282.6	17607.6	24925.8	31770.8	34183.8	
50°		7287.5	7698.7	9619.9	14043.4	19321.9	23597.0	25825.4	
55°		5541.7	5780.3	7531.0	10732.9	15052.4	17336.9	18262.4	
60°		4134.2	4315.5	5562.7	8368.3	11042.9	12777.6	12584.1	
65°		2950.8	3041.6	4096.6	6269.9	8290.0	8754.2	8684.7	
70°		2546.2	2137.1	2731.3	4350.7	5979.0	5648.5	5709.5	
75°		2108.0	1585.9	2055.0	3301.5	4072.6	4031.8	3815.0	
80°		1673.3	1400.6	1829.4	2537.4	2994.6	3058.7	2712.9	
85°		2420.7	1531.5	1658.5	2240.8	3144.7	2466.8	1939.2	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9000	49.7
95	241	252	8566	47.2
90	227	250	8091	44.6
85	214	248	7650	42.1
80	201	245	7205	39.6
75	188	243	6757	37.1
70	175	240	6305	34.6
65	162	238	5853	32.3
60	149	234	5395	29.9
55	136	231	4935	27.6
50	124	228	4511	25.4
45	111	224	4045	23.0
40	99	219	3613	20.6
35	86	214	3146	18.1
30	74	209	2709	15.8
25	61	202	2235	13.2
20	49	194	1798	10.9
15	37	183	1356	8.5
10	25	169	911	6.3
5	13	145	468	4.1
3	7	122	244	3.0