

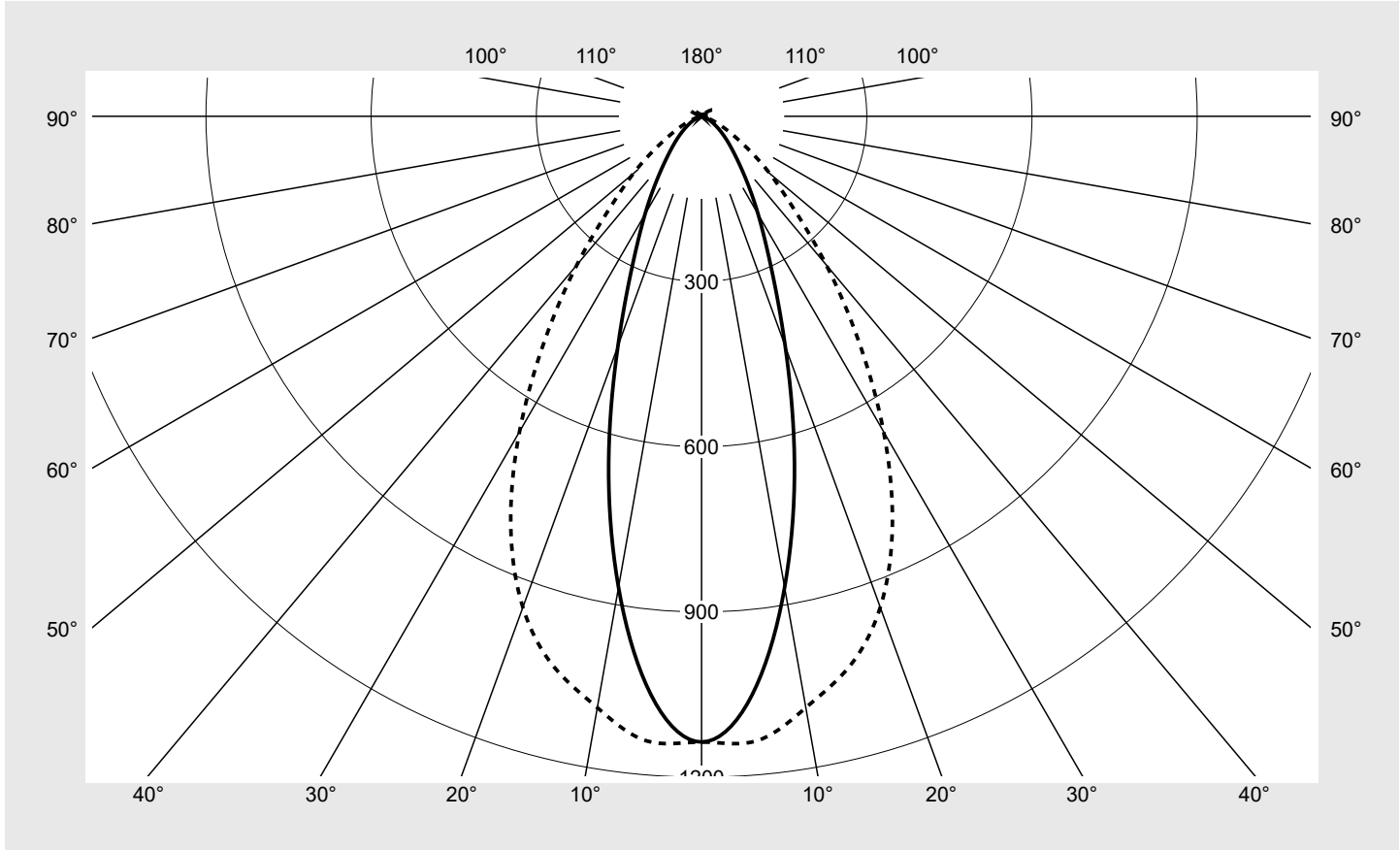


Photometric test report

Family Trunking Flex 31	Order number: 51RF1EMB49XG5 EAN: 4069025537188	LP number 59804_78
	Version primary light control with lens, transparent, PMMA, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 9030 lm Power consumption = 50.7 W Luminous efficacy = 178.1 lm/W	serial documentation 08.08.2025
		

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°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
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	17.9	22.1	23.2	22.5	23.6	23.9
	4H	16.0	17.1	16.4	17.5	17.8	22.1	23.1	22.5	23.5	23.9
	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	16.2	17.0	16.6	17.4	17.8	22.2	22.9	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	18.5	22.1	23.0	22.5	23.3	23.8
	4H	16.8	17.6	17.2	18.0	18.4	22.1	22.9	22.6	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	17.5	17.3	17.9	18.4	22.1	22.7	22.6	23.1	23.6
	12H	16.9	17.5	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	17.5	17.5	18.0	18.5	22.0	22.5	22.5	23.0	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	17.5	17.5	17.9	18.4	22.0	22.5	22.5	23.0	23.5
	6H	17.0	17.4	17.6	17.9	18.5	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

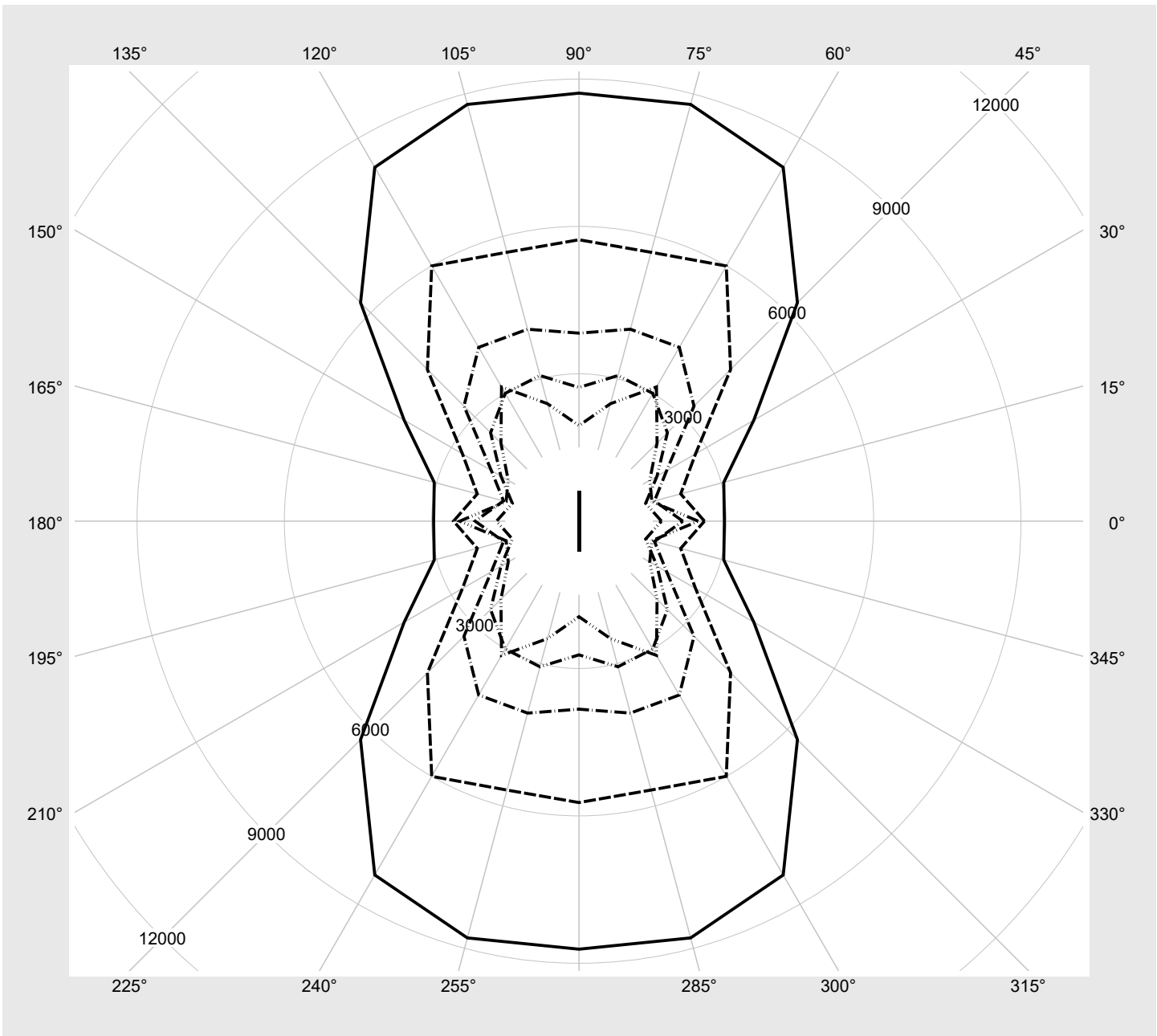
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-planes	γ	Luminance in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°	45°	9484.9	10028.0	12323.6	17666.3	25008.9	31876.7	34297.7
50°	50°	7311.8	7724.4	9652.0	14090.2	19386.3	23675.7	25911.4
55°	55°	5560.1	5799.6	7556.1	10768.7	15102.5	17394.7	18323.3
60°	60°	4148.0	4329.9	5581.2	8396.2	11079.7	12820.2	12626.0
65°	65°	2960.6	3051.8	4110.3	6290.8	8317.6	8783.4	8713.7
70°	70°	2554.7	2144.2	2740.4	4365.2	5999.0	5667.3	5728.5
75°	75°	2115.0	1591.2	2061.8	3312.5	4086.2	4045.2	3827.7
80°	80°	1678.9	1405.3	1835.5	2545.8	3004.6	3068.9	2721.9
85°	85°	2428.8	1536.6	1664.0	2248.3	3155.2	2475.1	1945.7

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



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
13	ON	ON	OFF	ON	9030	50.7
10	ON	OFF	ON	OFF	7520	42.7
8	ON	OFF	OFF	OFF	6630	37.5
6	OFF	ON	ON	OFF	5700	32.2
4	OFF	ON	OFF	OFF	4780	27.0
2	OFF	OFF	ON	OFF	3850	22.0