
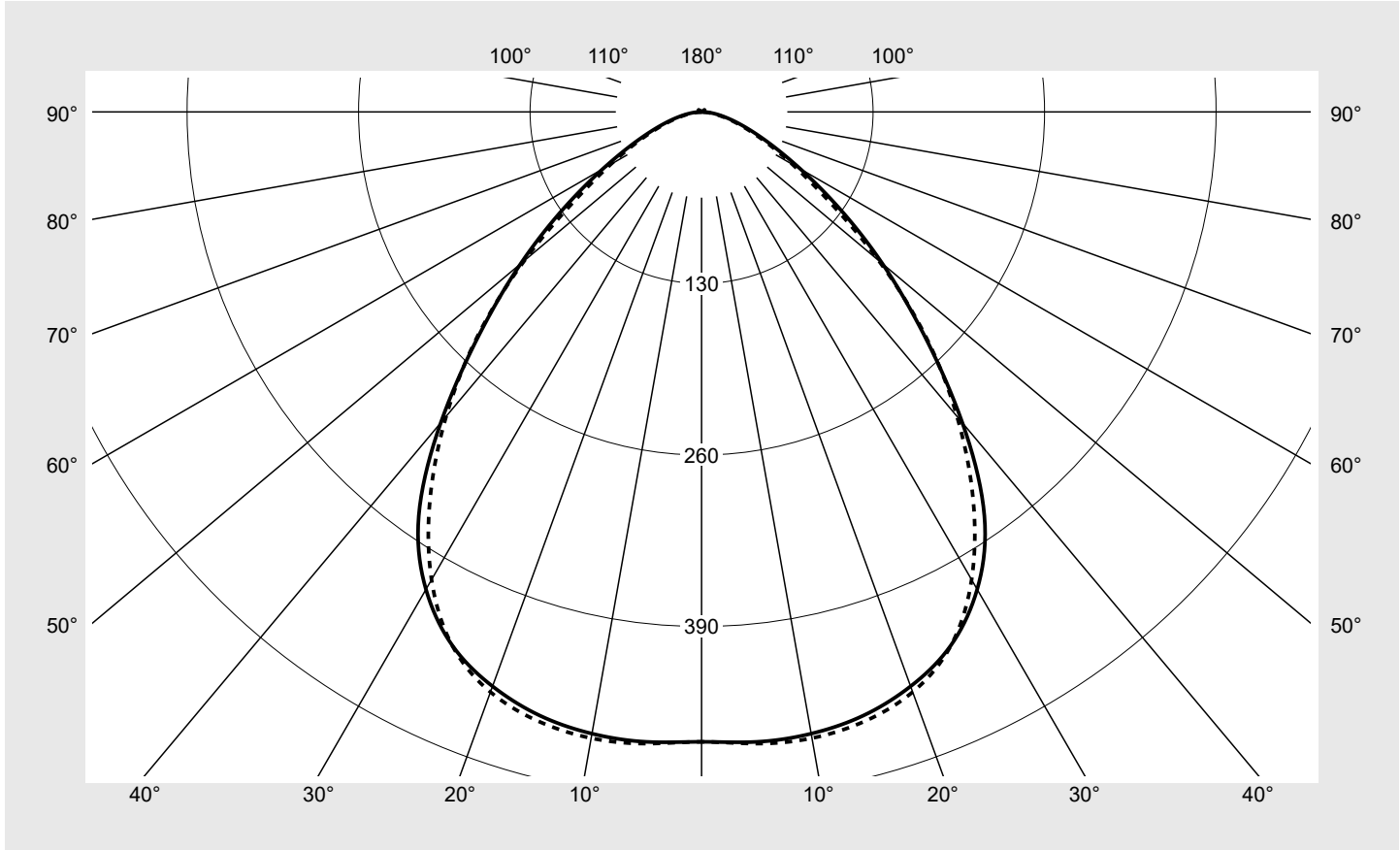


Photometric test report

Family Trunking Flex 31	Order number: 51RF12MB49XG5007 EAN: 4069025487827	LP number 59302_245
	Version primary light control with lens, transparent, PMMA, with through-wiring, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 9100 lm Power consumption = 50.7 W Luminous efficacy = 179.5 lm/W	serial documentation 01.08.2025



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 482 cd/klm**



Classifications	
DIN 5040	A 5 2
CIE	N1=64 N2=91 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

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°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	2.9	2.9
5°	479.2	479.4	476.1	476.9	477.7	479.1	480.6	22.8	25.7
10°	478.5	478.8	475.9	476.7	478.1	479.7	481.9	45.5	71.2
15°	473.7	474.6	472.3	472.8	474.3	476.3	478.1	67.3	138.5
20°	463.3	464.4	462.2	462.5	463.5	465.9	467.9	87.0	225.5
25°	446.5	446.1	441.7	442.3	444.6	445.0	446.7	102.9	328.5
30°	417.9	412.9	407.0	410.2	413.2	410.4	409.4	112.7	441.2
35°	373.8	365.6	358.8	365.1	368.4	362.5	359.0	114.6	555.7
40°	307.6	307.1	302.9	303.0	299.1	300.3	301.2	106.7	662.4
45°	238.0	232.2	241.2	229.3	232.4	226.8	239.9	90.5	752.9
50°	179.0	175.4	175.4	172.2	173.6	171.0	175.3	73.1	826.0
55°	127.6	127.0	119.9	124.4	123.4	123.3	117.8	55.4	881.5
60°	86.5	87.3	81.4	85.4	84.1	84.7	79.6	40.0	921.5
65°	57.4	58.2	54.6	57.2	56.0	56.8	53.2	28.0	949.5
70°	37.6	37.8	35.9	37.4	36.6	36.7	34.5	18.9	968.4
75°	23.7	23.8	22.9	23.5	22.9	22.8	21.3	12.2	980.6
80°	13.7	13.5	13.1	13.2	12.8	12.3	11.3	7.0	987.6
85°	6.4	6.2	5.9	5.7	5.2	4.6	4.0	3.0	990.6
90°	2.2	2.1	2.0	1.7	1.4	1.0	0.6	0.9	991.5
95°	1.8	1.7	1.7	1.5	1.2	0.8	0.5	0.7	992.2
100°	2.3	2.3	2.1	1.7	1.3	0.8	0.5	0.9	993.0
105°	2.1	2.1	2.0	1.7	1.3	0.7	0.5	0.8	993.9
110°	2.3	2.3	2.0	1.7	1.2	0.6	0.4	0.8	994.6
115°	2.2	2.1	1.9	1.7	1.1	0.7	0.5	0.7	995.4
120°	2.3	2.0	1.7	1.5	1.1	0.7	0.7	0.7	996.0
125°	2.7	2.1	1.8	1.4	1.0	0.7	0.7	0.7	996.7
130°	2.0	1.9	2.0	1.4	1.1	0.9	0.9	0.6	997.3
135°	2.0	1.9	1.8	1.5	1.2	1.2	1.2	0.6	997.9
140°	2.0	2.0	1.8	1.6	1.4	1.4	1.4	0.6	998.5
145°	2.1	2.0	1.9	1.7	1.6	1.6	1.6	0.6	999.1
150°	2.1	2.1	1.9	1.8	1.8	1.8	1.8	0.5	999.6
155°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	0.4	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	22.4	23.9	22.8	24.3	24.6	22.5	24.0	22.9	24.3	24.6
	3H	22.9	24.3	23.3	24.6	24.9	23.0	24.3	23.4	24.7	25.0
	4H	23.1	24.3	23.5	24.7	25.0	23.2	24.4	23.6	24.8	25.1
	6H	23.2	24.3	23.6	24.7	25.1	23.3	24.4	23.7	24.8	25.2
	8H	23.2	24.3	23.7	24.7	25.1	23.3	24.4	23.7	24.7	25.1
	12H	23.2	24.2	23.7	24.6	25.0	23.3	24.3	23.8	24.7	25.1
4H	2H	22.7	24.0	23.1	24.3	24.7	22.8	24.0	23.2	24.4	24.7
	3H	23.3	24.3	23.7	24.7	25.1	23.4	24.4	23.8	24.8	25.2
	4H	23.5	24.4	23.9	24.8	25.3	23.6	24.5	24.1	24.9	25.4
	6H	23.7	24.5	24.1	24.9	25.4	23.8	24.6	24.2	25.0	25.5
	8H	23.7	24.4	24.2	24.9	25.4	23.8	24.5	24.3	25.0	25.5
	12H	23.8	24.4	24.2	24.8	25.3	23.8	24.5	24.3	24.9	25.4
8H	4H	23.6	24.3	24.0	24.7	25.2	23.7	24.4	24.1	24.8	25.3
	6H	23.8	24.4	24.3	24.8	25.3	23.9	24.5	24.4	24.9	25.4
	8H	23.8	24.4	24.3	24.8	25.4	23.9	24.5	24.4	24.9	25.5
	12H	23.9	24.3	24.4	24.8	25.4	24.0	24.4	24.5	24.9	25.5
12H	4H	23.6	24.2	24.1	24.7	25.2	23.7	24.3	24.2	24.8	25.3
	6H	23.8	24.3	24.3	24.8	25.3	23.9	24.4	24.4	24.9	25.4
	8H	23.9	24.3	24.4	24.8	25.3	24.0	24.4	24.5	24.9	25.4

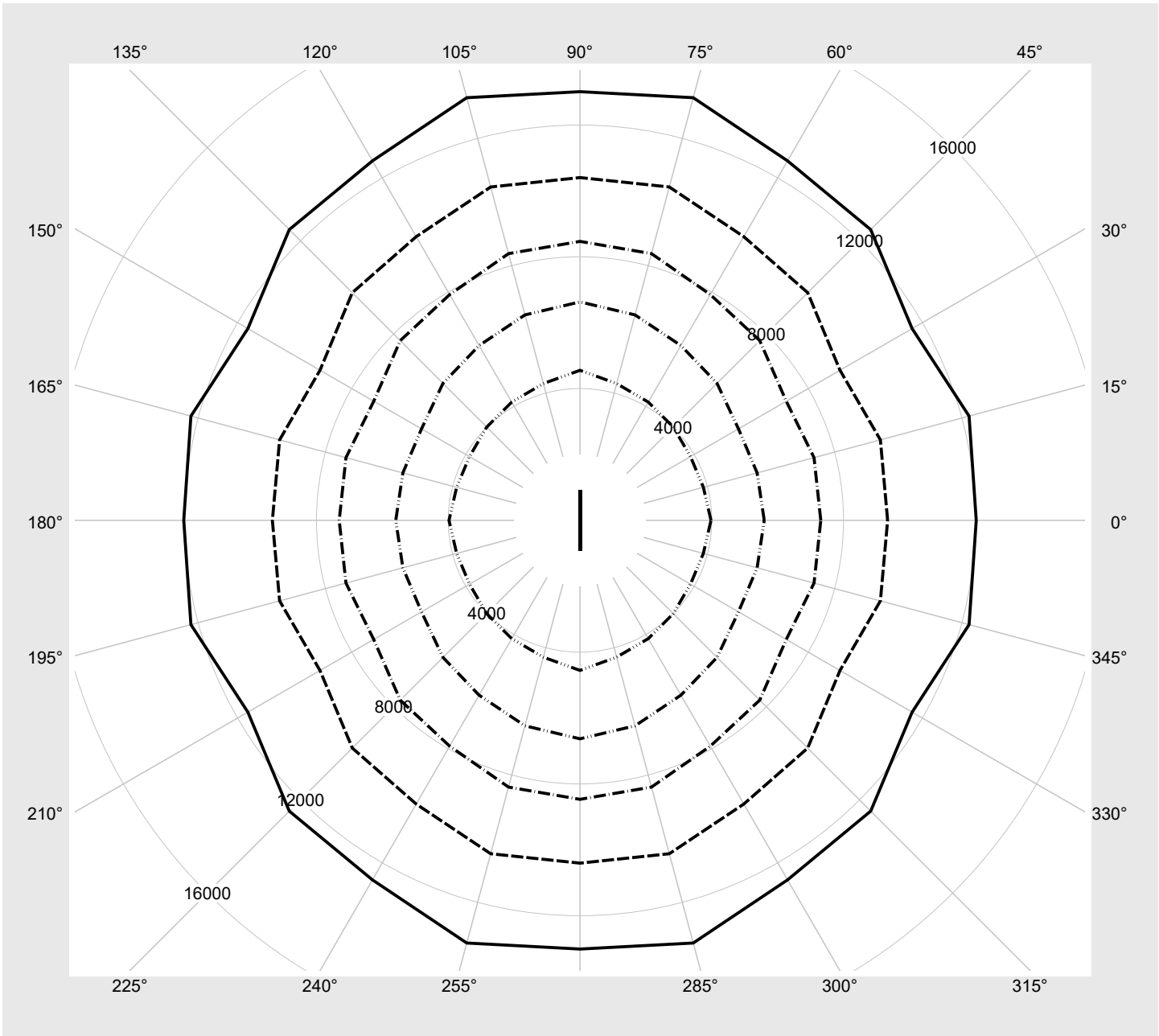
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		32380.7	31656.9	33100.6	31837.3	32772.4	32587.3	35198.3	
50°		26415.5	25933.4	26145.2	26018.6	26714.1	26913.6	28267.2	
55°		20736.5	20686.4	19712.2	20783.6	21074.5	21619.0	21272.9	
60°		15777.1	15968.5	15058.2	16097.7	16271.9	16916.1	16478.7	
65°		12028.4	12227.7	11641.7	12480.4	12600.4	13281.2	13011.8	
70°		9338.3	9440.4	9113.4	9774.6	9943.2	10475.9	10404.4	
75°		7309.3	7355.1	7230.6	7716.2	7913.0	8381.6	8467.6	
80°		5592.5	5566.6	5555.1	5882.6	6126.7	6455.8	6630.6	
85°		3976.4	3877.2	3873.0	4004.4	4145.3	4298.5	4554.4	

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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	9100	50.7
10	ON	OFF	ON	OFF	7580	42.7
8	ON	OFF	OFF	OFF	6680	37.5
6	OFF	ON	ON	OFF	5740	32.2
4	OFF	ON	OFF	OFF	4820	27.0
2	OFF	OFF	ON	OFF	3880	22.0