

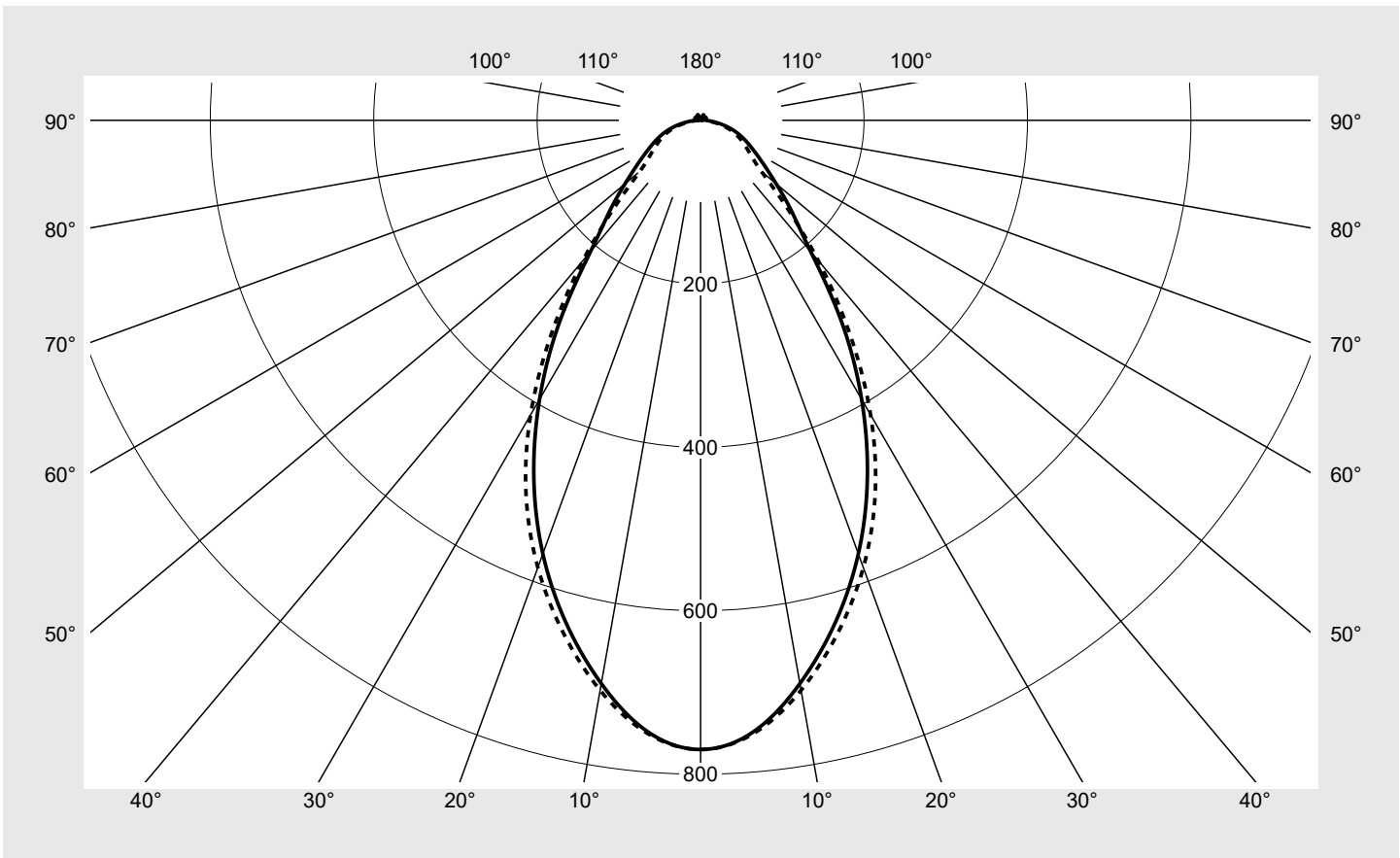


Photometric test report

Family Trunking Flex 31	Order number: 51RF18MB495G5 EAN: 4069025536983	LP number 59334_93
	Version primary light control with lens, transparent, PMMA, medium distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 9480 lm Power consumption = 53.5 W Luminous efficacy = 177.2 lm/W	serial documentation 08.08.2025
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 770 cd/klm**



Classifications	
DIN 5040	A 5 2
CIE	N1=71 N2=89 N3=97 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

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°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	4.6	4.6
5°	750.5	750.8	751.0	751.1	751.5	752.0	752.6	35.9	40.5
10°	699.8	700.6	701.6	702.7	704.7	706.5	708.1	66.9	107.4
15°	636.4	638.3	639.3	639.4	641.6	644.9	649.2	90.9	198.4
20°	564.4	568.9	570.3	568.4	569.0	573.7	582.3	107.0	305.4
25°	482.9	489.3	491.0	488.2	487.1	492.8	505.4	113.6	419.0
30°	394.1	398.1	399.5	398.3	397.9	403.8	416.0	109.8	528.7
35°	300.6	301.5	301.8	301.7	304.2	309.6	317.7	95.8	624.5
40°	209.5	209.2	209.1	209.3	214.0	218.8	223.9	75.0	699.5
45°	157.8	146.3	142.8	147.3	155.5	155.1	146.2	58.1	757.6
50°	120.7	109.0	105.6	110.3	116.9	112.5	96.9	46.4	804.0
55°	94.5	85.7	83.1	86.7	91.1	87.4	75.9	38.9	842.8
60°	76.1	70.2	68.5	71.0	73.3	70.8	63.5	33.5	876.4
65°	62.1	58.4	57.3	58.8	59.8	58.0	53.5	29.0	905.3
70°	49.8	47.5	46.7	47.4	47.4	46.0	43.1	24.2	929.5
75°	37.3	35.8	35.2	35.3	34.8	33.6	31.6	18.5	948.0
80°	24.2	23.4	23.0	22.8	22.2	21.1	19.5	12.1	960.0
85°	13.1	12.7	12.2	11.7	10.8	9.8	8.5	6.2	966.2
90°	6.4	6.3	6.0	5.6	4.9	4.1	3.2	2.9	969.1
95°	5.8	5.7	5.4	4.9	4.2	3.5	3.0	2.6	971.7
100°	5.9	5.7	5.6	5.5	4.4	3.6	3.0	2.6	974.3
105°	7.0	6.6	6.2	5.8	4.5	3.7	3.3	2.8	977.1
110°	6.9	7.0	6.6	5.6	4.5	3.8	3.6	2.8	980.0
115°	7.4	6.5	5.9	5.4	4.6	4.2	3.9	2.7	982.6
120°	7.2	6.5	5.8	5.4	4.8	4.4	4.3	2.6	985.2
125°	6.6	6.4	6.1	5.6	5.0	4.7	4.7	2.5	987.7
130°	6.6	6.5	6.2	5.8	5.3	5.1	5.1	2.4	990.2
135°	6.7	6.6	6.3	6.0	5.6	5.4	5.4	2.3	992.5
140°	6.9	6.8	6.5	6.1	5.9	5.8	5.8	2.2	994.7
145°	7.0	6.9	6.6	6.2	6.1	6.1	6.1	2.0	996.7
150°	6.9	6.7	6.5	6.4	6.3	6.3	6.3	1.8	998.5
155°	6.7	6.6	6.6	6.6	6.5	6.5	6.5	1.5	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	20.6	22.0	20.9	22.3	22.7	20.8	22.2	21.2	22.5	22.9
	3H	21.8	23.1	22.2	23.4	23.8	22.0	23.3	22.4	23.6	24.0
	4H	22.4	23.6	22.8	24.0	24.3	22.5	23.7	22.9	24.1	24.4
	6H	22.9	24.0	23.3	24.3	24.7	22.9	24.0	23.4	24.4	24.8
	8H	23.1	24.1	23.5	24.5	24.9	23.2	24.1	23.6	24.5	24.9
	12H	23.2	24.1	23.7	24.5	25.0	23.3	24.2	23.7	24.6	25.0
4H	2H	21.1	22.3	21.5	22.6	23.0	21.3	22.5	21.7	22.8	23.2
	3H	22.5	23.5	23.0	23.9	24.4	22.7	23.7	23.1	24.1	24.5
	4H	23.3	24.2	23.7	24.6	25.0	23.4	24.3	23.8	24.7	25.1
	6H	23.8	24.6	24.3	25.1	25.5	23.9	24.7	24.4	25.2	25.6
	8H	24.1	24.8	24.5	25.2	25.7	24.1	24.9	24.6	25.3	25.8
	12H	24.3	24.9	24.7	25.3	25.8	24.3	24.9	24.8	25.4	25.9
8H	4H	23.6	24.3	24.0	24.7	25.2	23.7	24.4	24.1	24.8	25.3
	6H	24.3	24.9	24.8	25.3	25.8	24.4	24.9	24.9	25.4	25.9
	8H	24.5	25.1	25.1	25.6	26.1	24.6	25.1	25.1	25.6	26.2
	12H	24.8	25.2	25.3	25.7	26.3	24.8	25.3	25.4	25.8	26.3
12H	4H	23.6	24.2	24.1	24.7	25.2	23.7	24.3	24.2	24.8	25.3
	6H	24.4	24.8	24.9	25.3	25.9	24.4	24.9	25.0	25.4	25.9
	8H	24.7	25.1	25.2	25.6	26.1	24.7	25.2	25.3	25.7	26.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433	H(C0) = 5	H(C180) = 5
			B = 61	H(C90) = 5	H(C270) = 5

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°		22367.1	20772.1	20416.4	21310.3	22838.1	23212.2	22339.6	
50°		18553.7	16795.0	16393.5	17365.4	18745.9	18432.8	16279.2	
55°		16001.0	14538.7	14232.0	15098.4	16198.7	15972.4	14279.5	
60°		14447.3	13376.2	13203.6	13945.2	14777.9	14735.0	13697.2	
65°		13551.9	12793.3	12727.5	13368.5	14011.8	14130.3	13622.9	
70°		12879.7	12335.2	12336.8	12898.1	13420.1	13665.8	13548.7	
75°		11960.3	11557.1	11589.2	12069.6	12532.2	12887.8	13061.4	
80°		10311.7	10061.7	10155.1	10608.5	11084.2	11543.9	11919.0	
85°		8444.2	8254.2	8303.2	8600.1	8958.8	9491.3	10211.9	

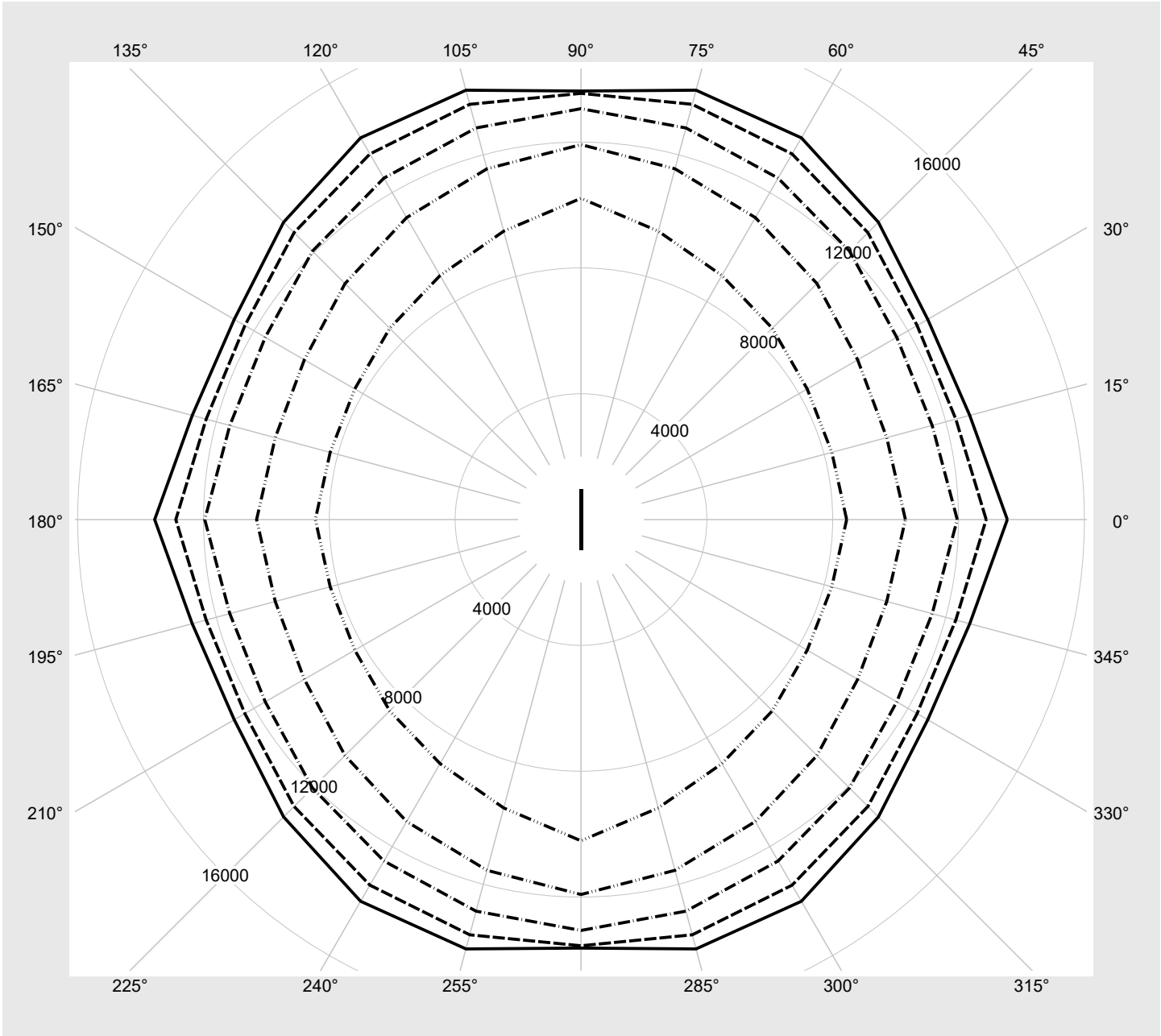
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
14	ON	ON	ON	OFF	9480	53.5
12	ON	ON	OFF	OFF	8570	48.0
9	ON	OFF	OFF	ON	7060	40.0
7	OFF	ON	ON	ON	6160	34.8
5	OFF	ON	OFF	ON	5250	29.7
3	OFF	OFF	ON	ON	4300	24.4