

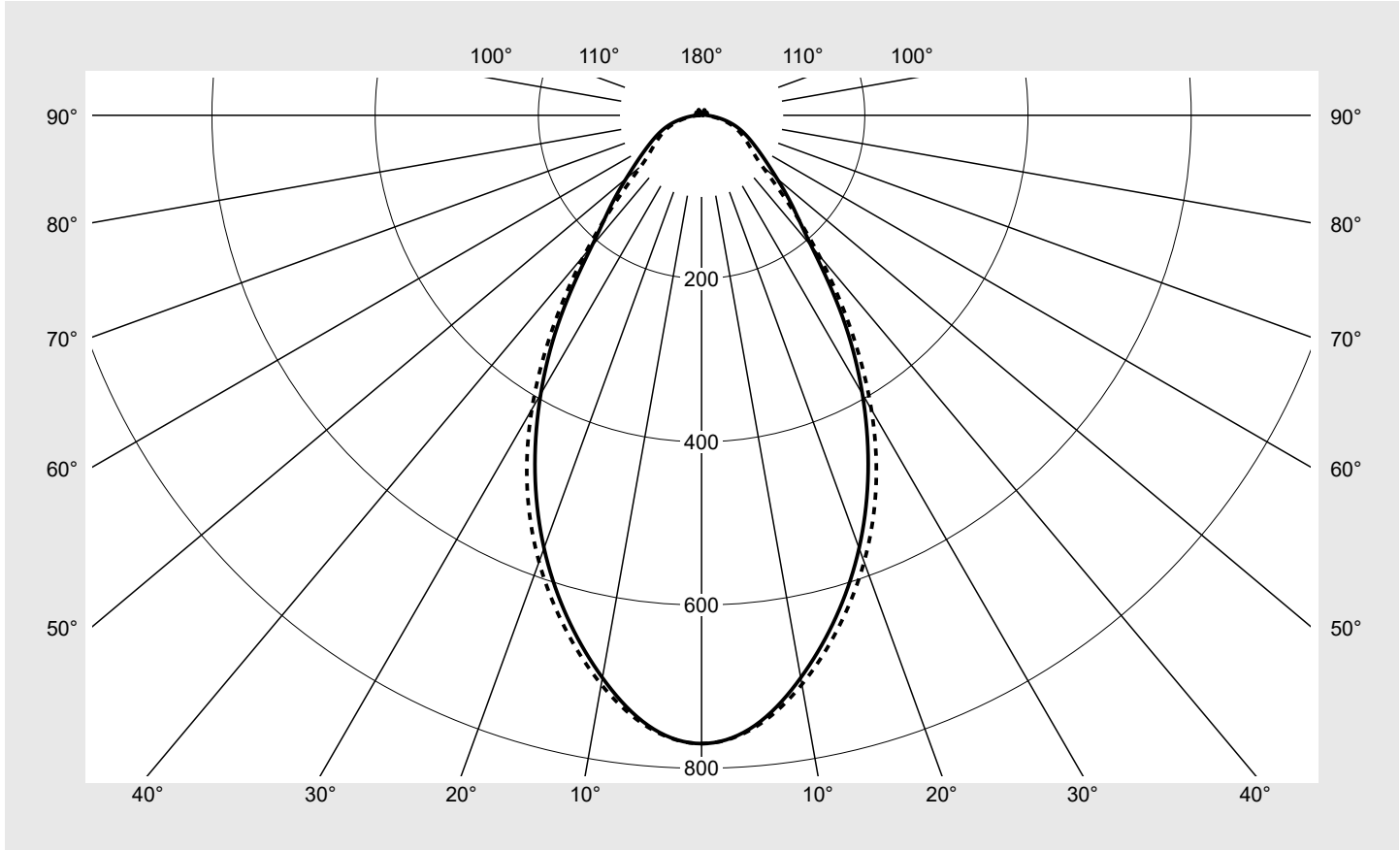


Photometric test report

Family Trunking Flex 31	Order number: 51RF18MB6BXG5 EAN: 4069025747518	LP number 59334_143
	Version primary light control with lens, transparent, PMMA, medium distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 11310 lm Power consumption = 65.3 W Luminous efficacy = 173.2 lm/W	serial documentation 26.03.2026
		

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	21.2	22.6	21.6	23.0	23.3	21.4	22.9	21.8	23.2	23.5
	3H	22.4	23.7	22.8	24.1	24.4	22.6	23.9	23.0	24.2	24.6
	4H	23.0	24.2	23.4	24.6	24.9	23.1	24.3	23.5	24.7	25.1
	6H	23.5	24.6	23.9	25.0	25.3	23.6	24.7	24.0	25.0	25.4
	8H	23.7	24.7	24.1	25.1	25.5	23.8	24.8	24.2	25.1	25.5
	12H	23.8	24.8	24.3	25.2	25.6	23.9	24.8	24.3	25.2	25.6
4H	2H	21.7	22.9	22.1	23.3	23.6	21.9	23.1	22.3	23.4	23.8
	3H	23.2	24.2	23.6	24.6	25.0	23.3	24.3	23.7	24.7	25.1
	4H	23.9	24.8	24.3	25.2	25.6	24.0	24.9	24.4	25.3	25.8
	6H	24.5	25.2	24.9	25.7	26.1	24.6	25.3	25.0	25.8	26.2
	8H	24.7	25.4	25.2	25.8	26.3	24.8	25.5	25.2	25.9	26.4
	12H	24.9	25.5	25.4	25.9	26.4	24.9	25.5	25.4	26.0	26.5
8H	4H	24.2	24.9	24.6	25.3	25.8	24.3	25.0	24.8	25.4	25.9
	6H	24.9	25.5	25.4	25.9	26.4	25.0	25.6	25.5	26.0	26.5
	8H	25.2	25.7	25.7	26.2	26.7	25.2	25.8	25.7	26.2	26.8
	12H	25.4	25.8	25.9	26.3	26.9	25.5	25.9	26.0	26.4	26.9
12H	4H	24.2	24.8	24.7	25.3	25.8	24.3	24.9	24.8	25.4	25.9
	6H	25.0	25.5	25.5	25.9	26.5	25.1	25.5	25.6	26.0	26.6
	8H	25.3	25.7	25.8	26.2	26.8	25.4	25.8	25.9	26.3	26.8

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	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		26684.8	24781.9	24357.5	25424.0	27246.8	27693.0	26652.0
50°		22135.3	20037.1	19558.0	20717.6	22364.6	21991.0	19421.7
55°		19089.8	17345.2	16979.3	18013.0	19325.6	19055.6	17036.0
60°		17236.2	15958.3	15752.4	16637.2	17630.6	17579.4	16341.3
65°		16168.0	15262.9	15184.3	15949.1	16716.6	16858.0	16252.7
70°		15366.0	14716.3	14718.3	15388.0	16010.7	16303.9	16164.1
75°		14269.1	13788.1	13826.3	14399.5	14951.3	15375.7	15582.7
80°		12302.2	12004.0	12115.5	12656.3	13223.9	13772.4	14219.8
85°		10074.3	9847.6	9906.0	10260.2	10688.2	11323.4	12183.1

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Luminance values in cd/m²

 γ 65°

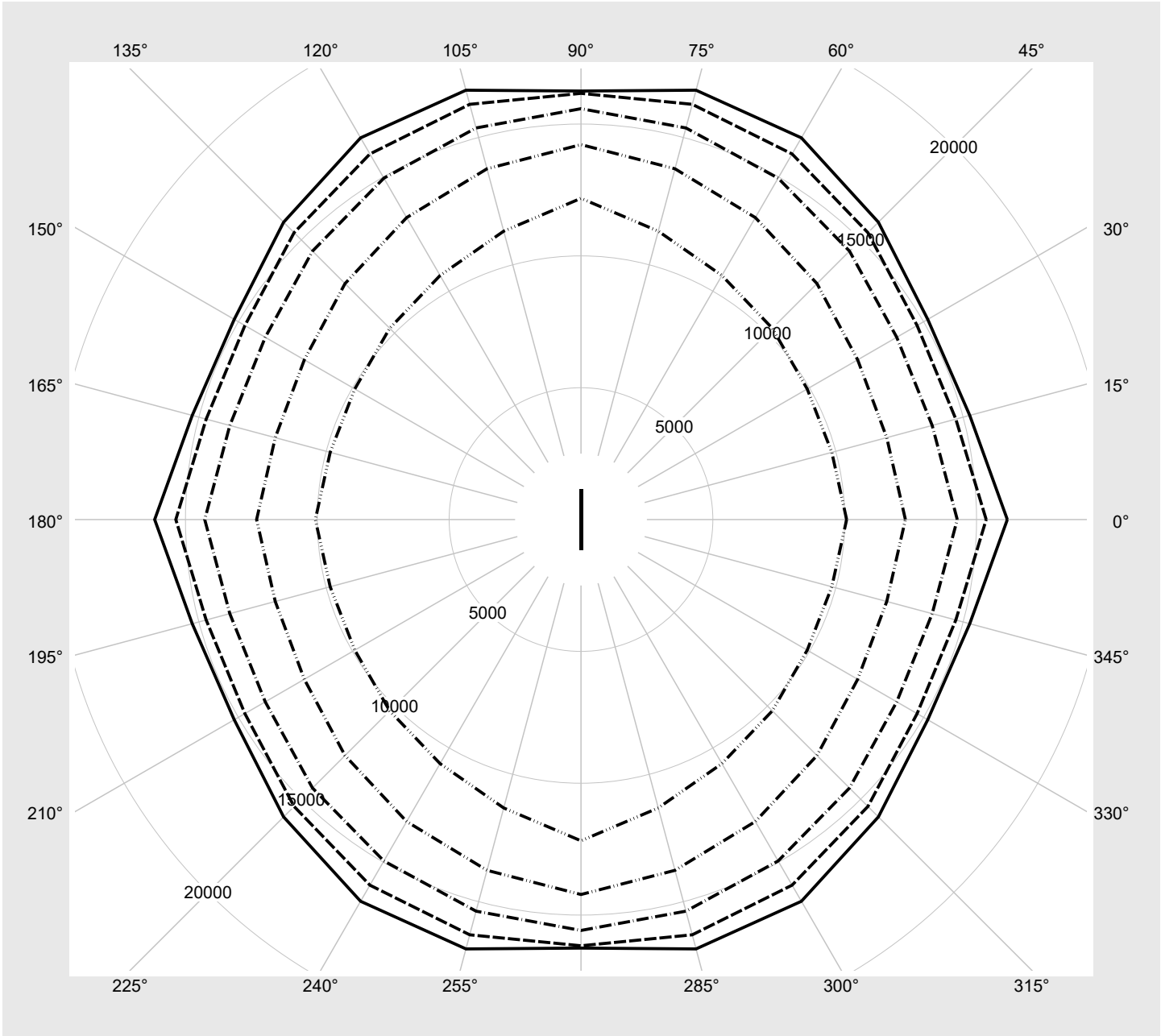
 γ 70°

 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		
14	ON	ON	ON	OFF	11310	65.3
11	ON	OFF	ON	ON	10130	57.9
8	ON	OFF	OFF	OFF	8940	50.4
6	OFF	ON	ON	OFF	8130	45.6
4	OFF	ON	OFF	OFF	7320	40.9
2	OFF	OFF	ON	OFF	6490	36.2