

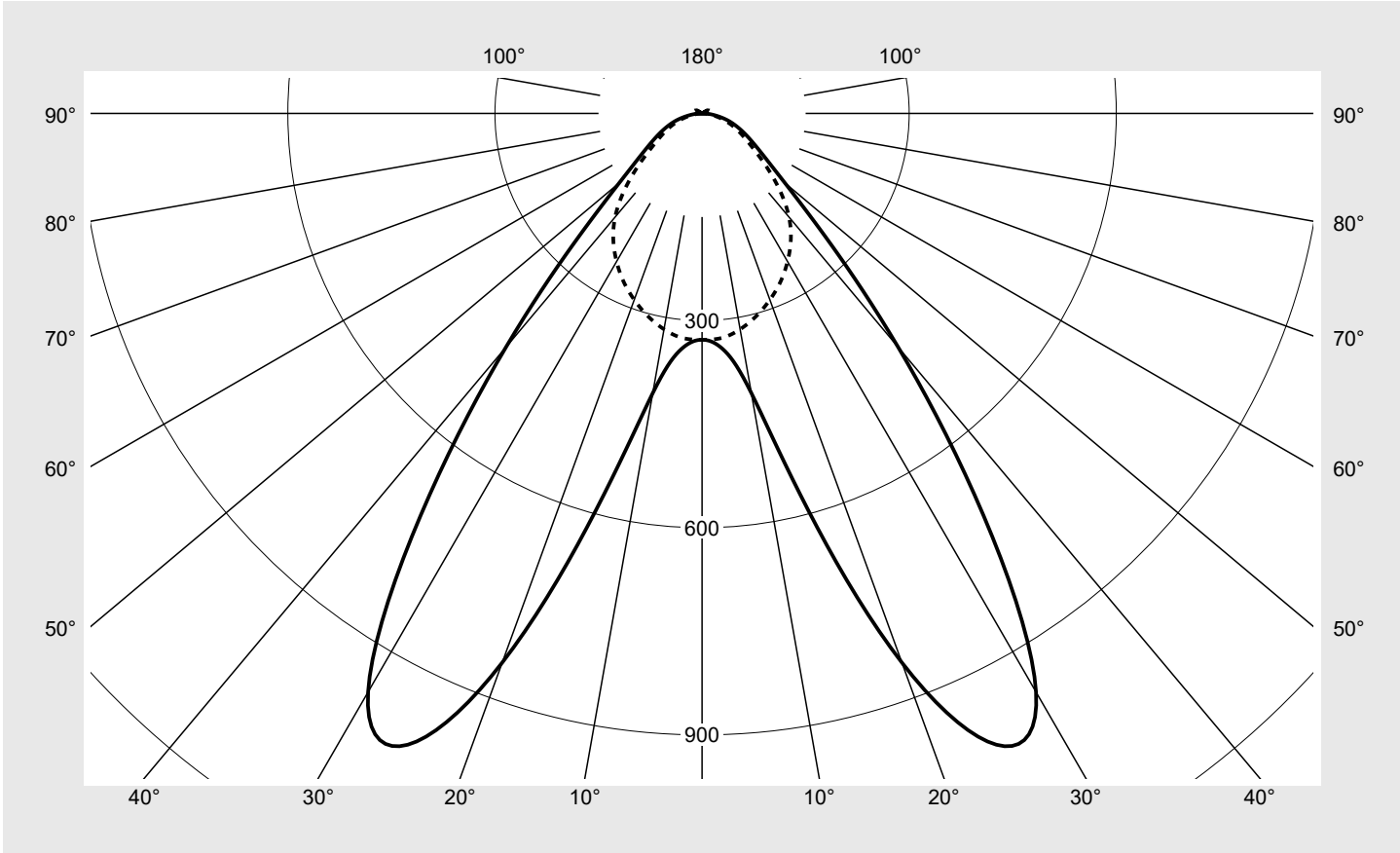


Photometric test report

Family Trunking Flex 31	Order number: 51RE69MB18B EAN: 4058352582008	LP number 59301_8
	Version primary light control with lens, transparent, PMMA, double asymmetric distribution Lamps LED 3500 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 8000 lm Power consumption = 50.0 W Luminous efficacy = 160 lm/W	serial documentation 27.03.2024 

Luminous intensity in cd/klm C180-0 C270-90 Imax: 1009 cd/klm



Classifications	
DIN 5040	A 5 1
CIE	N1=66 N2=89 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.7%
ϕ_o	1.3%

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°	327.7	327.7	327.7	327.7	327.7	327.7	327.7	2.0	2.0
5°	342.4	341.3	335.6	331.6	328.2	326.3	326.4	15.9	17.9
10°	411.3	401.6	373.5	346.7	328.7	319.3	317.4	33.9	51.7
15°	595.8	553.7	454.4	370.9	325.6	307.7	303.7	58.2	109.9
20°	846.3	755.0	551.3	388.9	314.8	291.7	287.2	89.6	199.6
25°	1008.8	871.2	594.9	385.6	296.6	272.5	268.9	118.1	317.7
30°	967.5	821.3	553.3	358.4	273.4	250.9	247.6	130.9	448.6
35°	710.7	620.8	451.5	314.6	246.6	227.0	224.1	122.0	570.5
40°	441.9	408.3	334.0	259.3	213.1	197.7	195.9	101.7	672.2
45°	253.2	247.8	230.5	199.3	172.2	161.6	160.8	78.7	750.9
50°	156.7	156.7	155.2	146.3	131.4	124.6	124.0	59.8	810.7
55°	111.4	111.5	110.9	106.5	98.8	93.8	93.0	46.7	857.4
60°	85.6	86.0	85.3	81.8	76.4	72.6	71.7	38.0	895.4
65°	67.4	67.9	67.2	64.7	60.3	57.3	56.3	31.4	926.8
70°	52.1	52.1	51.3	49.4	45.9	43.4	42.1	24.8	951.6
75°	38.0	37.3	36.4	34.9	32.3	30.2	29.0	18.1	969.7
80°	23.3	22.8	22.3	21.0	19.4	17.5	16.3	11.0	980.7
85°	11.7	11.0	10.5	9.6	8.4	7.0	6.0	5.1	985.8
90°	4.4	4.0	3.7	3.2	2.5	1.6	0.8	1.6	987.4
95°	3.5	3.3	3.1	2.6	2.0	1.2	0.6	1.3	988.7
100°	4.3	4.1	3.8	3.0	2.1	1.2	0.6	1.5	990.2
105°	3.9	3.9	3.7	3.1	2.2	1.1	0.6	1.4	991.6
110°	4.2	4.1	3.6	2.9	1.8	0.8	0.4	1.3	992.9
115°	4.4	3.9	3.1	2.4	1.6	0.7	0.4	1.2	994.1
120°	9.1	3.9	2.8	2.1	1.4	0.6	0.5	1.2	995.3
125°	4.2	3.0	2.5	2.0	1.3	0.6	0.6	0.9	996.2
130°	3.1	2.7	2.4	1.9	1.2	0.8	0.8	0.8	997.0
135°	2.8	2.6	2.3	1.9	1.2	1.1	1.1	0.7	997.7
140°	2.8	2.6	2.4	1.9	1.3	1.3	1.4	0.7	998.4
145°	2.8	2.7	2.3	1.7	1.6	1.7	1.6	0.6	999.0
150°	2.5	2.3	1.9	1.7	1.8	1.9	1.9	0.5	999.6
155°	1.9	1.8	1.7	1.8	1.9	1.9	2.0	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	22.6	24.1	22.9	24.4	24.7	20.3	21.9	20.7	22.2	22.5
	3H	23.3	24.6	23.7	25.0	25.3	21.4	22.7	21.7	23.1	23.4
	4H	23.6	24.9	24.0	25.2	25.6	21.8	23.1	22.2	23.4	23.8
	6H	23.9	25.0	24.3	25.4	25.8	22.1	23.3	22.5	23.7	24.0
	8H	24.0	25.0	24.5	25.4	25.8	22.2	23.3	22.6	23.7	24.1
	12H	24.1	25.0	24.5	25.4	25.8	22.2	23.3	22.7	23.7	24.1
4H	2H	22.8	24.1	23.2	24.4	24.8	20.9	22.2	21.3	22.5	22.9
	3H	23.7	24.8	24.1	25.2	25.6	22.2	23.2	22.6	23.6	24.0
	4H	24.2	25.1	24.6	25.5	26.0	22.7	23.7	23.2	24.1	24.5
	6H	24.5	25.3	25.0	25.8	26.2	23.1	23.9	23.6	24.4	24.8
	8H	24.7	25.4	25.1	25.8	26.3	23.2	24.0	23.7	24.4	24.9
	12H	24.8	25.4	25.3	25.9	26.4	23.3	24.0	23.8	24.4	24.9
8H	4H	24.3	25.1	24.8	25.5	26.0	23.0	23.7	23.5	24.2	24.7
	6H	24.8	25.4	25.2	25.8	26.4	23.5	24.1	24.0	24.6	25.1
	8H	24.9	25.5	25.4	26.0	26.5	23.7	24.2	24.2	24.7	25.2
	12H	25.1	25.5	25.6	26.0	26.6	23.8	24.2	24.3	24.7	25.3
12H	4H	24.3	25.0	24.8	25.4	25.9	23.1	23.7	23.5	24.1	24.6
	6H	24.8	25.3	25.3	25.8	26.3	23.6	24.1	24.1	24.6	25.1
	8H	25.0	25.4	25.5	25.9	26.5	23.8	24.2	24.3	24.7	25.3

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°		30288.6	29698.7	27811.4	24319.4	21348.2	20417.1	20740.5
50°		20320.4	20363.5	20338.1	19427.2	17778.8	17240.4	17584.7
55°		15905.7	15967.9	16025.2	15649.9	14828.7	14460.9	14768.6
60°		13725.4	13821.3	13867.9	13562.1	12988.2	12741.5	13044.2
65°		12419.9	12547.7	12585.2	12399.5	11922.5	11777.0	12095.6
70°		11385.2	11429.3	11449.4	11326.0	10963.1	10871.6	11164.2
75°		10283.4	10158.5	10132.8	10058.6	9798.4	9787.2	10118.2
80°		8389.9	8267.3	8307.1	8240.2	8161.8	8109.9	8434.9
85°		6368.5	6044.0	6046.5	5984.8	5879.2	5768.4	6059.8

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Luminance values in cd/m²

 γ 65°

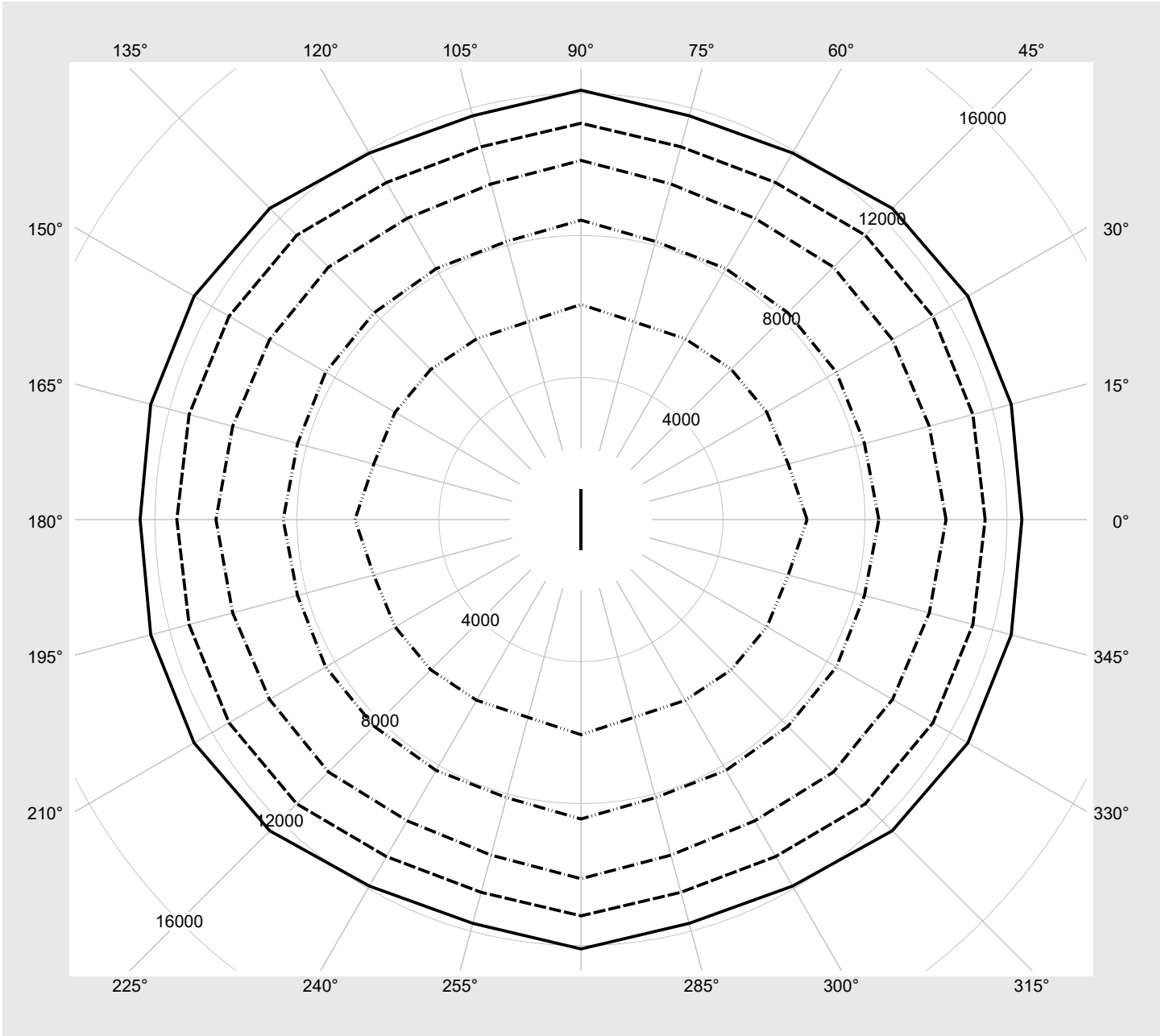
 γ 70°

 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	ON	ON	8000	50.0
2	ON	OFF	6850	42.0
1	OFF	ON	5610	34.0
0	OFF	OFF	4130	25.0