

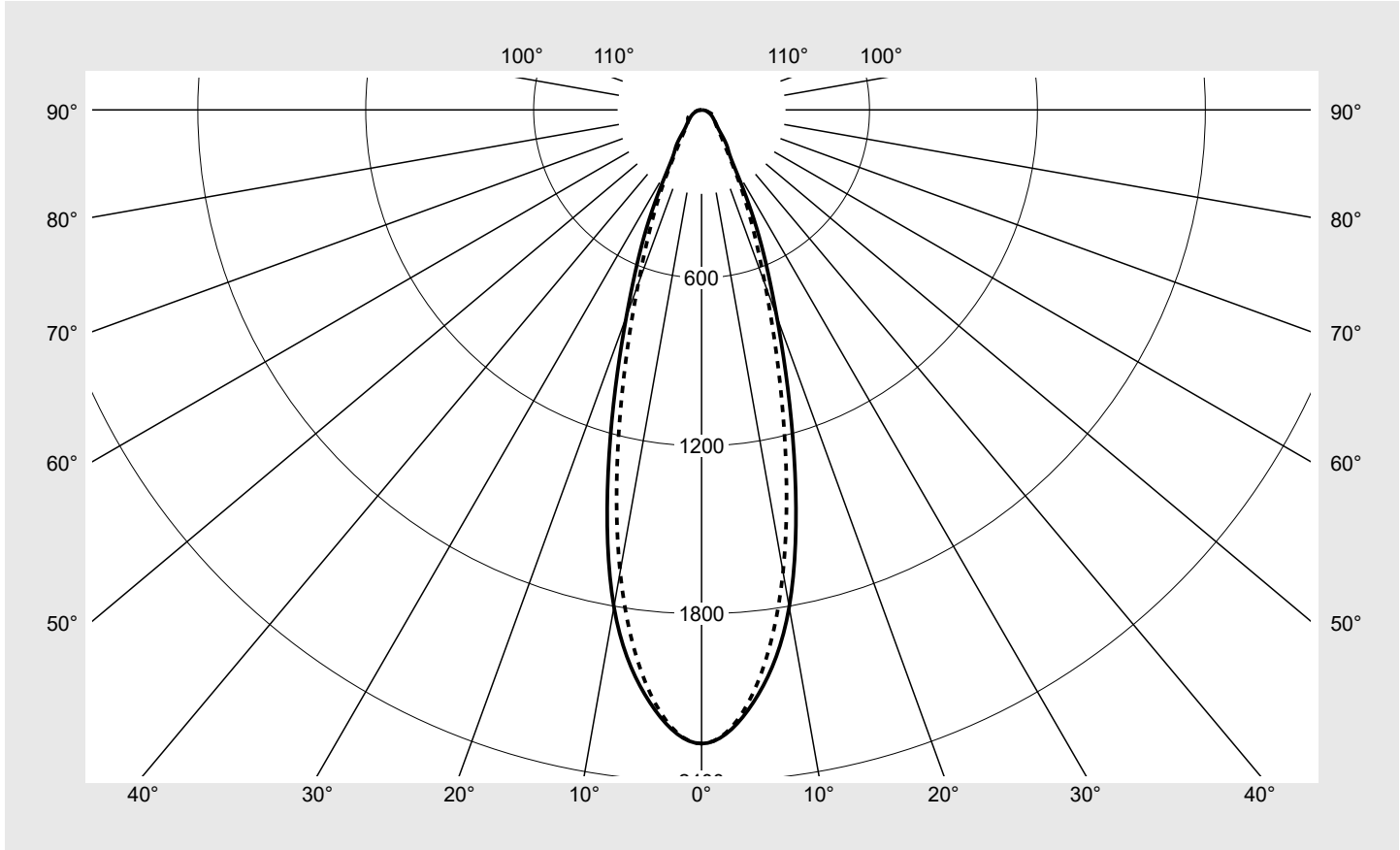


Photometric test report

Family Trunking Flex 31	Order number: 51RE11MB48B EAN: 4058352586570	LP number 59298_9
	Version primary light control with lens, transparent, PMMA, narrow distribution	serial documentation 27.03.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
Rated values	Net luminous flux = 8000 lm Power consumption = 50.0 W Luminous efficacy = 160 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 Imax: 2264 cd/klm



Classifications	
DIN 5040	A 7 1
CIE	N1=83 N2=93 N3=98 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.6%
ϕ_o	0.4%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity



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°	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	13.5	13.5
5°	2124.6	2117.3	2110.0	2106.4	2102.8	2098.6	2094.4	100.7	114.2
10°	1803.1	1798.4	1793.7	1758.4	1723.0	1699.6	1676.2	166.8	281.0
15°	1276.6	1263.1	1249.6	1218.9	1188.2	1155.9	1123.7	172.0	453.0
20°	785.2	773.2	761.2	738.3	715.4	689.4	663.4	137.5	590.6
25°	464.9	459.0	453.1	430.5	408.0	399.6	391.2	99.5	690.1
30°	231.5	245.6	259.7	243.1	226.4	219.0	211.5	64.6	754.8
35°	159.7	155.6	151.5	146.8	142.0	136.2	130.5	46.0	800.7
40°	102.9	101.3	99.7	98.2	96.6	94.1	91.5	34.5	835.2
45°	75.8	74.7	73.5	74.4	75.2	73.4	71.7	28.7	863.9
50°	60.6	60.0	59.4	61.7	64.1	63.5	63.0	25.9	889.9
55°	50.2	50.1	50.0	53.9	57.9	58.8	59.6	24.4	914.2
60°	41.8	41.5	41.2	46.6	51.9	53.9	55.8	22.5	936.7
65°	33.8	33.4	32.9	37.5	42.1	45.1	48.0	19.2	955.9
70°	26.2	26.2	26.2	27.6	29.0	31.8	34.7	14.7	970.6
75°	20.4	20.2	20.1	21.5	22.8	21.7	20.6	11.2	981.8
80°	14.1	14.0	14.0	15.4	16.8	16.1	15.5	8.2	990.0
85°	7.7	7.7	7.8	9.4	11.0	10.5	10.0	5.0	995.0
90°	1.9	1.9	1.9	3.7	5.5	4.9	4.4	1.9	996.9
95°	0.0	0.0	0.0	1.4	2.7	3.0	3.2	0.8	997.7
100°	0.0	0.0	0.0	1.0	2.1	2.5	2.9	0.6	998.3
105°	0.0	0.0	0.0	1.0	1.9	2.2	2.5	0.6	998.9
110°	0.0	0.0	0.0	0.8	1.6	1.9	2.2	0.5	999.4
115°	0.0	0.0	0.0	0.7	1.3	1.5	1.8	0.4	999.7
120°	0.0	0.0	0.0	0.5	1.1	1.2	1.4	0.3	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	16.0	17.2	16.4	17.5	17.9	17.1	18.4	17.5	18.7	19.0
	3H	17.2	18.3	17.6	18.6	19.0	18.8	19.9	19.2	20.2	20.6
	4H	17.8	18.8	18.2	19.2	19.5	19.3	20.3	19.7	20.7	21.0
	6H	18.3	19.2	18.7	19.6	20.0	19.8	20.7	20.3	21.1	21.5
	8H	18.6	19.3	19.0	19.7	20.1	20.2	20.9	20.6	21.3	21.7
	12H	18.7	19.4	19.2	19.8	20.2	20.4	21.1	20.8	21.5	21.9
4H	2H	16.7	17.7	17.1	18.0	18.4	17.6	18.6	18.0	19.0	19.3
	3H	18.0	18.9	18.5	19.3	19.7	19.4	20.2	19.8	20.6	21.0
	4H	18.7	19.5	19.2	19.9	20.3	20.0	20.8	20.5	21.2	21.6
	6H	19.4	20.0	19.8	20.4	20.9	20.7	21.3	21.2	21.8	22.2
	8H	19.6	20.2	20.1	20.6	21.1	21.0	21.6	21.5	22.0	22.5
	12H	19.8	20.3	20.3	20.7	21.2	21.4	21.9	21.9	22.3	22.8
8H	4H	19.1	19.7	19.6	20.1	20.6	20.3	20.8	20.7	21.3	21.8
	6H	19.8	20.3	20.3	20.8	21.3	21.1	21.5	21.6	22.0	22.5
	8H	20.1	20.6	20.6	21.0	21.6	21.5	21.9	22.0	22.4	23.0
	12H	20.4	20.7	20.9	21.2	21.8	22.0	22.3	22.5	22.8	23.4
12H	4H	19.2	19.6	19.7	20.1	20.6	20.3	20.8	20.8	21.2	21.7
	6H	20.0	20.3	20.5	20.8	21.4	21.2	21.5	21.7	22.0	22.6
	8H	20.3	20.6	20.9	21.2	21.7	21.7	22.0	22.2	22.5	23.0

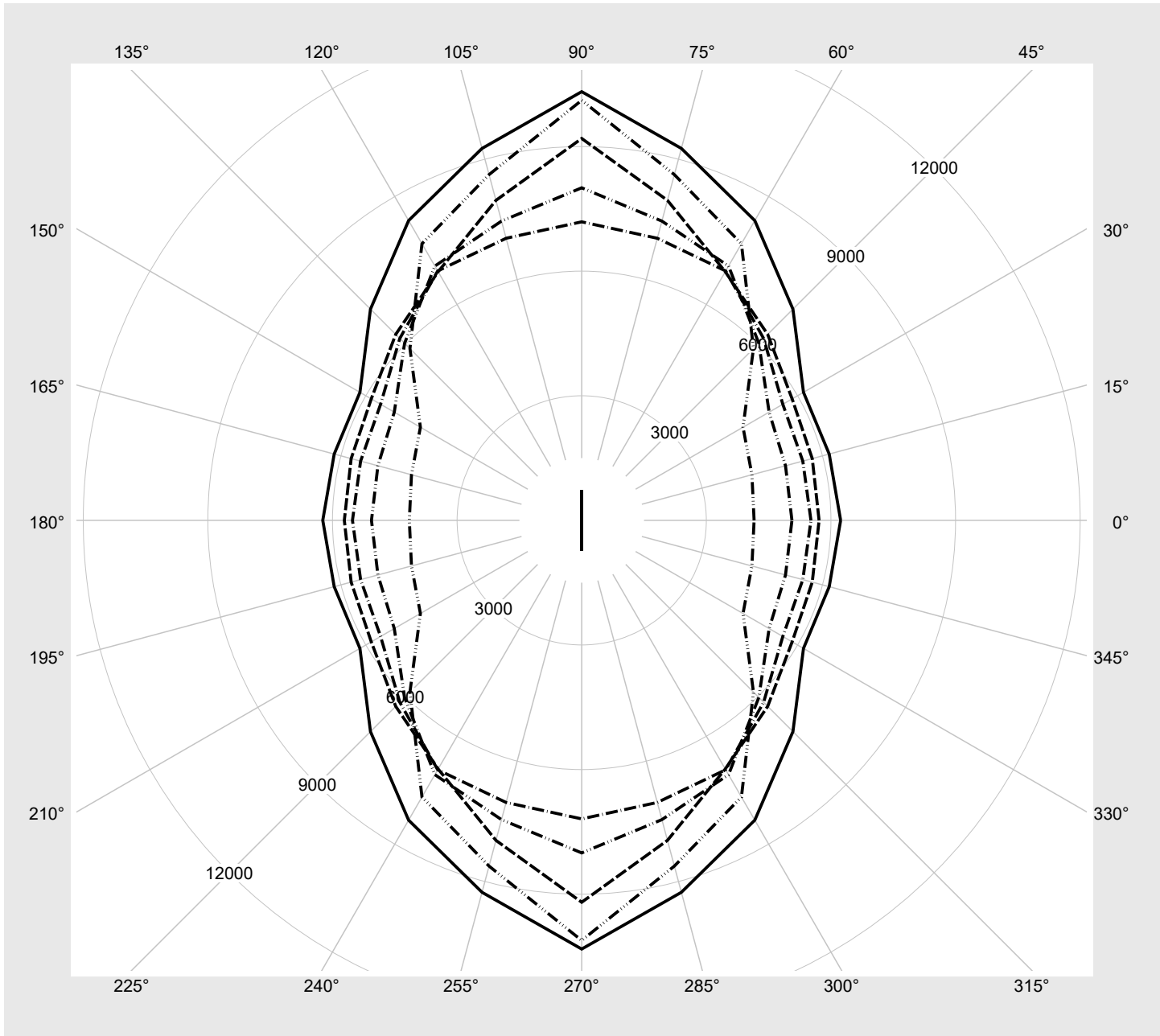
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433	H(C0) = 5	H(C180) = 5
			B = 61	H(C90) = 5	H(C270) = 5

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°		9067.1	8947.6	8872.7	9078.5	9325.9	9277.9	9243.4		
50°		7855.8	7795.5	7781.3	8199.3	8669.2	8787.9	8929.8		
55°		7163.4	7166.5	7220.3	7918.6	8687.7	9056.8	9468.8		
60°		6704.0	6669.8	6691.0	7713.2	8833.6	9461.1	10159.7		
65°		6233.7	6168.8	6165.2	7191.8	8334.3	9270.7	10321.0		
70°		5714.9	5746.2	5849.8	6332.2	6912.5	7976.3	9194.1		
75°		5518.9	5510.8	5590.7	6193.4	6933.4	7031.3	7187.5		
80°		5061.2	5079.6	5210.1	6029.9	7069.8	7459.5	8006.5		
85°		4150.1	4242.4	4484.5	5847.6	7690.8	8617.7	10114.1		

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