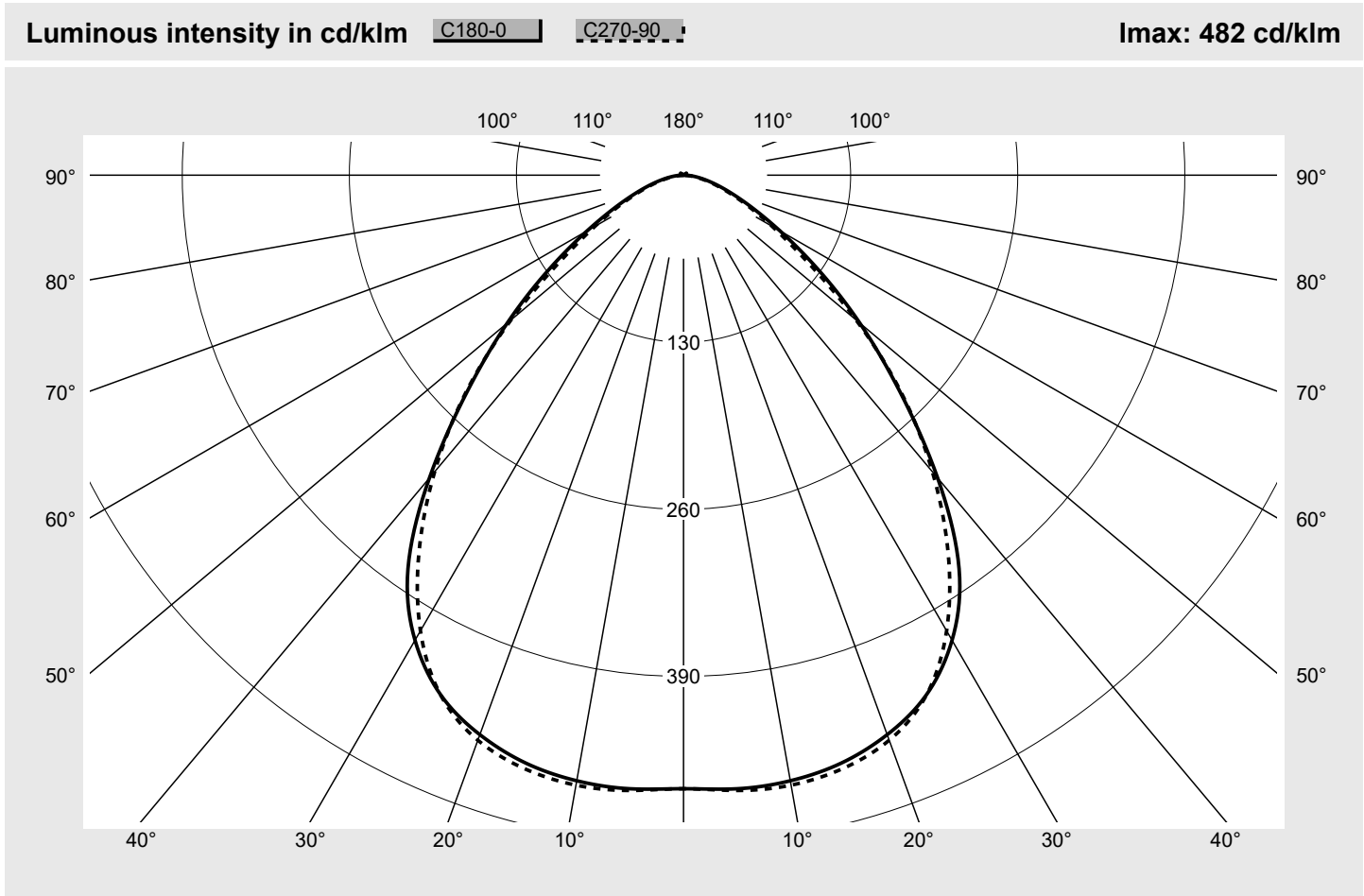


Photometric test report

Family Trunking Flex 31	Order number: 51RE12MB68B EAN: 4058352581919	LP number 59302_66
	Version	primary light control with lens, transparent, PMMA, wide distribution
	Lamps	LED 6500 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
		



Classifications		Luminaire light output ratios	
DIN 5040	A 5 2	η_{LB}	100.0%
CIE	N1=64 N2=91 N3=98	ϕ_u	99.1%
	N4=99 N5=100	ϕ_o	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Trunking Flex 31	Order number: 51RE12MB68B EAN: 4058352581919	LP number 59302_66
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	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

Photometric test report

Family Trunking Flex 31	Order number: 51RE12MB68B EAN: 4058352581919	LP number 59302_66
----------------------------	---	-----------------------

UGR-Table		Standard room									siteco	
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	22.0	23.5	22.4	23.8	24.1	22.1	23.6	22.4	23.9	24.2	
	3H	22.5	23.8	22.9	24.1	24.5	22.6	23.9	22.9	24.2	24.6	
	4H	22.6	23.9	23.0	24.2	24.6	22.7	24.0	23.1	24.3	24.7	
	6H	22.7	23.9	23.1	24.2	24.6	22.8	23.9	23.2	24.3	24.7	
	8H	22.8	23.8	23.2	24.2	24.6	22.9	23.9	23.3	24.3	24.7	
	12H	22.8	23.8	23.2	24.2	24.6	22.9	23.8	23.3	24.2	24.7	
4H	2H	22.3	23.5	22.7	23.9	24.2	22.3	23.6	22.7	23.9	24.3	
	3H	22.8	23.9	23.3	24.3	24.7	22.9	24.0	23.4	24.4	24.8	
	4H	23.1	24.0	23.5	24.4	24.8	23.2	24.1	23.6	24.5	24.9	
	6H	23.2	24.0	23.7	24.4	24.9	23.3	24.1	23.8	24.5	25.0	
	8H	23.3	24.0	23.7	24.4	24.9	23.4	24.1	23.8	24.5	25.0	
	12H	23.3	23.9	23.8	24.4	24.9	23.4	24.0	23.9	24.5	25.0	
8H	4H	23.1	23.9	23.6	24.3	24.8	23.2	23.9	23.7	24.4	24.9	
	6H	23.3	23.9	23.8	24.4	24.9	23.4	24.0	23.9	24.5	25.0	
	8H	23.4	23.9	23.9	24.4	24.9	23.5	24.0	24.0	24.5	25.0	
	12H	23.5	23.9	24.0	24.4	24.9	23.5	24.0	24.1	24.5	25.0	
12H	4H	23.1	23.8	23.6	24.2	24.7	23.2	23.9	23.7	24.3	24.8	
	6H	23.3	23.8	23.9	24.3	24.9	23.4	23.9	24.0	24.4	25.0	
	8H	23.4	23.9	23.9	24.4	24.9	23.5	23.9	24.0	24.4	25.0	

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
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
γ	Luminance in cd/m²							
45°	28466.6	27830.2	29099.5	27988.8	28810.9	28648.2	30943.5	
50°	23222.4	22798.6	22984.8	22873.5	23485.0	23660.3	24850.3	
55°	18229.9	18185.9	17329.4	18271.3	18527.0	19005.7	18701.5	
60°	13870.0	14038.3	13238.0	14151.8	14304.9	14871.3	14486.8	
65°	10574.4	10749.6	10234.5	10971.8	11077.3	11675.8	11439.0	
70°	8209.5	8299.2	8011.8	8593.1	8741.3	9209.5	9146.7	
75°	6425.7	6466.1	6356.6	6783.5	6956.5	7368.4	7444.0	
80°	4916.5	4893.7	4883.6	5171.5	5386.1	5675.5	5829.1	
85°	3495.7	3408.5	3404.8	3520.4	3644.2	3778.9	4003.8	

Photometric test report

Family
Trunking Flex 31

Order number: 51RE12MB68B
EAN: 4058352581919

LP number
59302_66

Luminance values in cd/m²

γ 65°

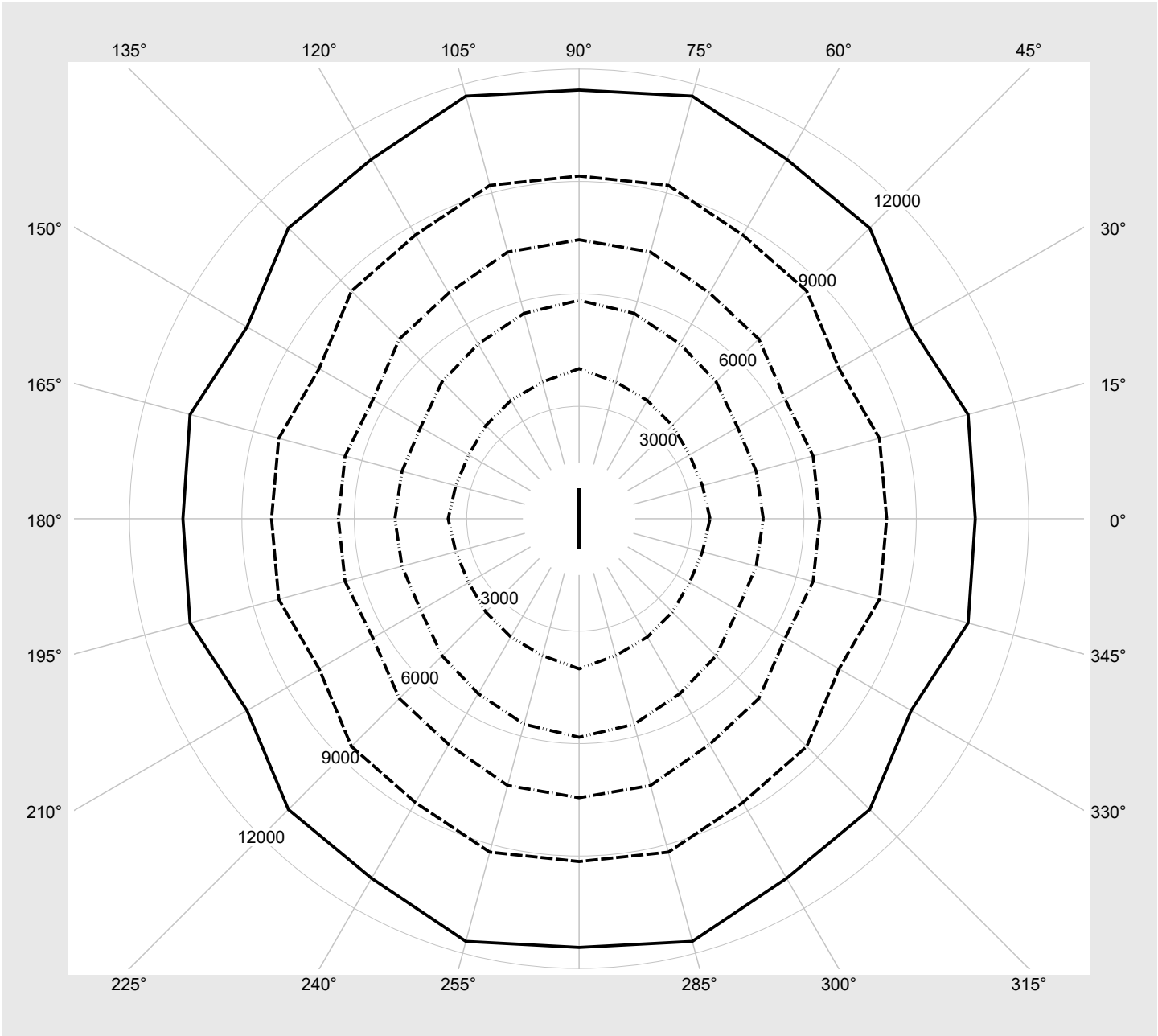
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Trunking Flex 31	Order number: 51RE12MB68B EAN: 4058352581919	LP number 59302_66
Multilumen Table	environmental temperature: 25°C	siteco

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