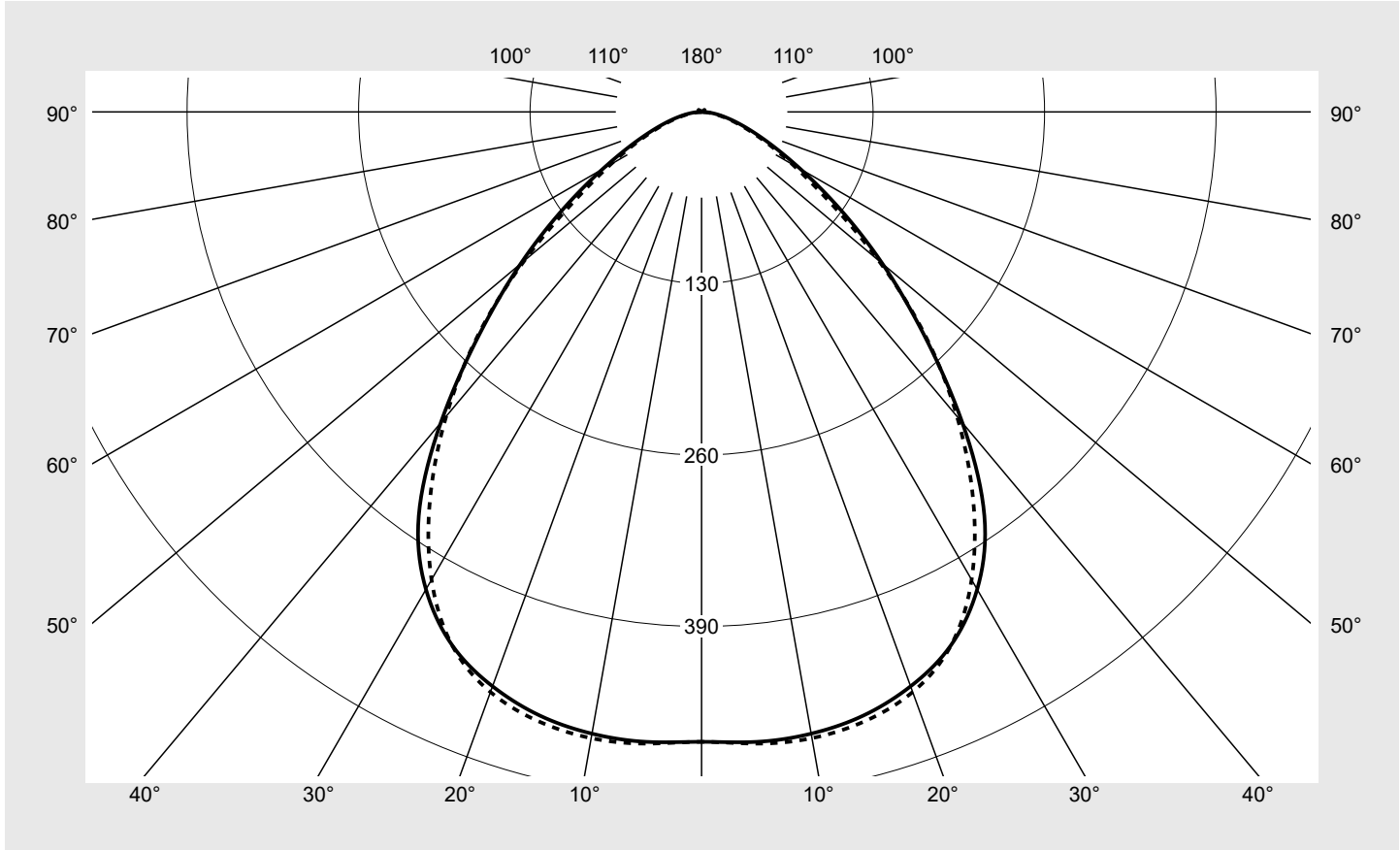


Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB4B5G5 EAN: 4069025516077	LP number 59302_103
	Version primary light control with lens, transparent, PMMA, wide distribution	serial documentation 12.06.2025
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 11500 lm Power consumption = 63.9 W Luminous efficacy = 180 lm/W	
		

Luminous intensity in cd/klm C180-0 C270-90 Imax: 482 cd/klm



Classifications	
DIN 5040	A 5 2
CIE	N1=64 N2=91 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB4B5G5 EAN: 4069025516077	LP number 59302_103
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°	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: 51RF12DB4B5G5 EAN: 4069025516077	LP number 59302_103
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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	23.3	24.8	23.6	25.1	25.4	23.3	24.8	23.7	25.1	25.5
	3H	23.7	25.1	24.1	25.4	25.8	23.8	25.2	24.2	25.5	25.8
	4H	23.9	25.1	24.3	25.5	25.9	24.0	25.2	24.4	25.6	25.9
	6H	24.0	25.1	24.4	25.5	25.9	24.1	25.2	24.5	25.6	26.0
	8H	24.1	25.1	24.5	25.5	25.9	24.1	25.2	24.6	25.6	26.0
	12H	24.1	25.0	24.5	25.4	25.8	24.1	25.1	24.6	25.5	25.9
4H	2H	23.5	24.8	23.9	25.1	25.5	23.6	24.8	24.0	25.2	25.6
	3H	24.1	25.1	24.5	25.5	25.9	24.2	25.2	24.6	25.6	26.0
	4H	24.3	25.2	24.8	25.7	26.1	24.4	25.4	24.9	25.8	26.2
	6H	24.5	25.3	24.9	25.7	26.2	24.6	25.4	25.0	25.8	26.3
	8H	24.5	25.2	25.0	25.7	26.2	24.6	25.3	25.1	25.8	26.3
	12H	24.6	25.2	25.1	25.7	26.1	24.7	25.3	25.1	25.7	26.2
8H	4H	24.4	25.1	24.9	25.6	26.0	24.5	25.2	25.0	25.7	26.1
	6H	24.6	25.2	25.1	25.7	26.2	24.7	25.3	25.2	25.8	26.3
	8H	24.7	25.2	25.2	25.7	26.2	24.7	25.3	25.2	25.8	26.3
	12H	24.7	25.1	25.2	25.6	26.2	24.8	25.2	25.3	25.7	26.3
12H	4H	24.4	25.0	24.9	25.5	26.0	24.5	25.1	25.0	25.6	26.1
	6H	24.6	25.1	25.1	25.6	26.1	24.7	25.2	25.2	25.7	26.2
	8H	24.7	25.1	25.2	25.6	26.2	24.8	25.2	25.3	25.7	26.2

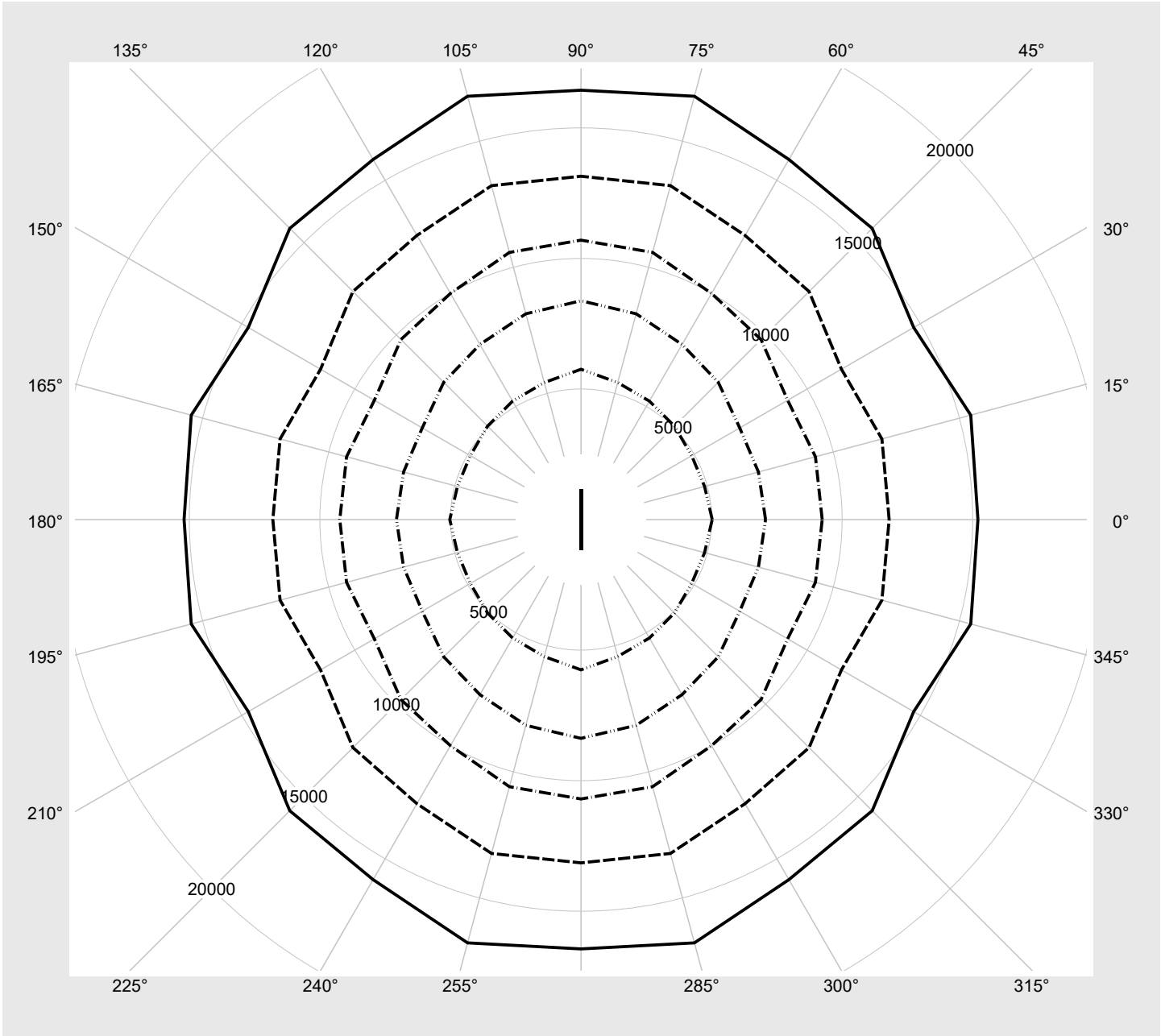
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433	H(C0) = 5	H(C180) = 5
			B = 61	H(C90) = 5	H(C270) = 5

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°		40920.7	40006.0	41830.5	40233.9	41415.7	41181.8	44481.3	
50°		33382.2	32773.0	33040.6	32880.6	33759.6	34011.7	35722.3	
55°		26205.5	26142.2	24911.1	26265.0	26632.6	27320.7	26883.4	
60°		19938.1	20180.0	19029.6	20343.3	20563.3	21377.4	20824.7	
65°		15200.8	15452.6	14712.1	15772.0	15923.6	16784.0	16443.5	
70°		11801.1	11930.2	11516.9	12352.6	12565.6	13238.7	13148.4	
75°		9237.0	9295.0	9137.6	9751.2	10000.0	10592.1	10700.8	
80°		7067.5	7034.7	7020.1	7434.0	7742.5	8158.5	8379.4	
85°		5025.1	4899.7	4894.5	5060.5	5238.5	5432.2	5755.5	

Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB4B5G5 EAN: 4069025516077	LP number 59302_103
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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: 51RF12DB4B5G5 EAN: 4069025516077	LP number 59302_103
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	11500	63.9
95	240	252	10911	60.4
90	227	250	10358	57.2
85	213	248	9758	53.7
80	200	245	9196	50.5
75	187	243	8632	47.3
70	174	240	8059	44.1
65	161	237	7483	40.9
60	148	234	6904	37.7
55	135	231	6318	34.5
50	122	227	5729	31.4
45	110	223	5179	28.5
40	97	219	4582	25.4
35	85	214	4024	22.6
30	73	208	3462	19.8
25	60	201	2852	16.7
20	48	193	2284	13.7
15	36	182	1715	10.9
10	24	168	1139	8.1
5	12	142	564	5.3
2	5	110	225	3.7