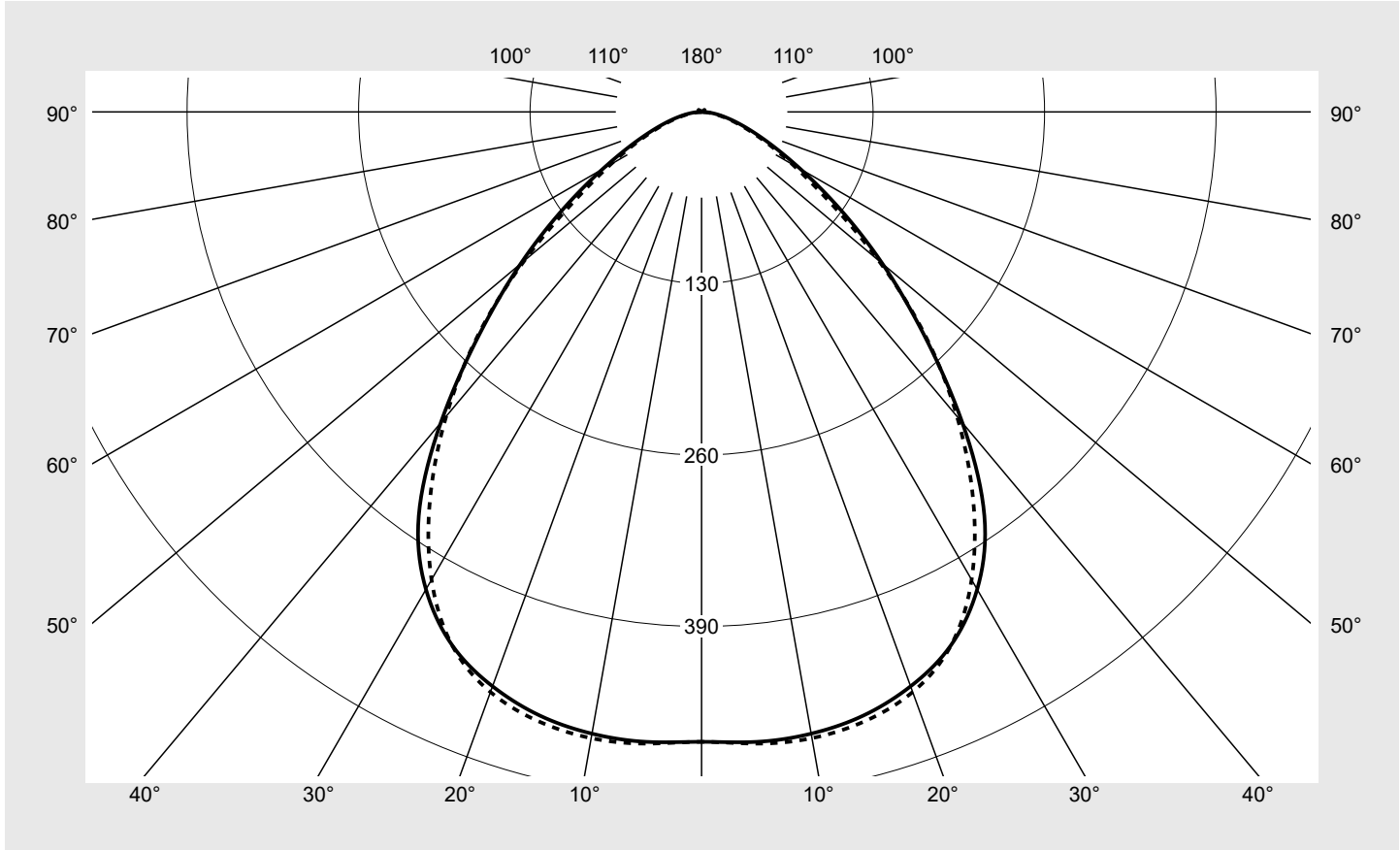


Photometric test report

Family Trunking Flex 31	Order number: 51RF12MA47XG4 EAN: 4069025499912	LP number 59302_242
	Version primary light control with lens, transparent, PMMA, wide distribution	serial documentation 01.08.2025
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 7260 lm Power consumption = 41.1 W Luminous efficacy = 176.6 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: 51RF12MA47XG4 EAN: 4069025499912	LP number 59302_242
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: 51RF12MA47XG4 EAN: 4069025499912	LP number 59302_242
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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	22.4	23.9	22.8	24.2	24.6	22.5	24.0	22.9	24.3	24.6
	3H	22.9	24.2	23.3	24.6	24.9	23.0	24.3	23.4	24.7	25.0
	4H	23.1	24.3	23.5	24.7	25.0	23.1	24.4	23.5	24.7	25.1
	6H	23.2	24.3	23.6	24.7	25.1	23.2	24.4	23.7	24.7	25.1
	8H	23.2	24.3	23.7	24.6	25.0	23.3	24.3	23.7	24.7	25.1
	12H	23.2	24.2	23.7	24.6	25.0	23.3	24.3	23.7	24.7	25.1
4H	2H	22.7	23.9	23.1	24.3	24.7	22.8	24.0	23.2	24.4	24.7
	3H	23.3	24.3	23.7	24.7	25.1	23.4	24.4	23.8	24.8	25.2
	4H	23.5	24.4	23.9	24.8	25.3	23.6	24.5	24.0	24.9	25.4
	6H	23.6	24.4	24.1	24.9	25.3	23.7	24.5	24.2	25.0	25.4
	8H	23.7	24.4	24.2	24.9	25.3	23.8	24.5	24.3	25.0	25.4
	12H	23.7	24.4	24.2	24.8	25.3	23.8	24.5	24.3	24.9	25.4
8H	4H	23.6	24.3	24.0	24.7	25.2	23.7	24.4	24.1	24.8	25.3
	6H	23.8	24.4	24.3	24.8	25.3	23.9	24.5	24.4	24.9	25.4
	8H	23.8	24.4	24.3	24.8	25.4	23.9	24.4	24.4	24.9	25.5
	12H	23.9	24.3	24.4	24.8	25.4	24.0	24.4	24.5	24.9	25.4
12H	4H	23.6	24.2	24.1	24.7	25.2	23.7	24.3	24.2	24.8	25.3
	6H	23.8	24.3	24.3	24.8	25.3	23.9	24.4	24.4	24.9	25.4
	8H	23.9	24.3	24.4	24.8	25.3	23.9	24.4	24.5	24.9	25.4

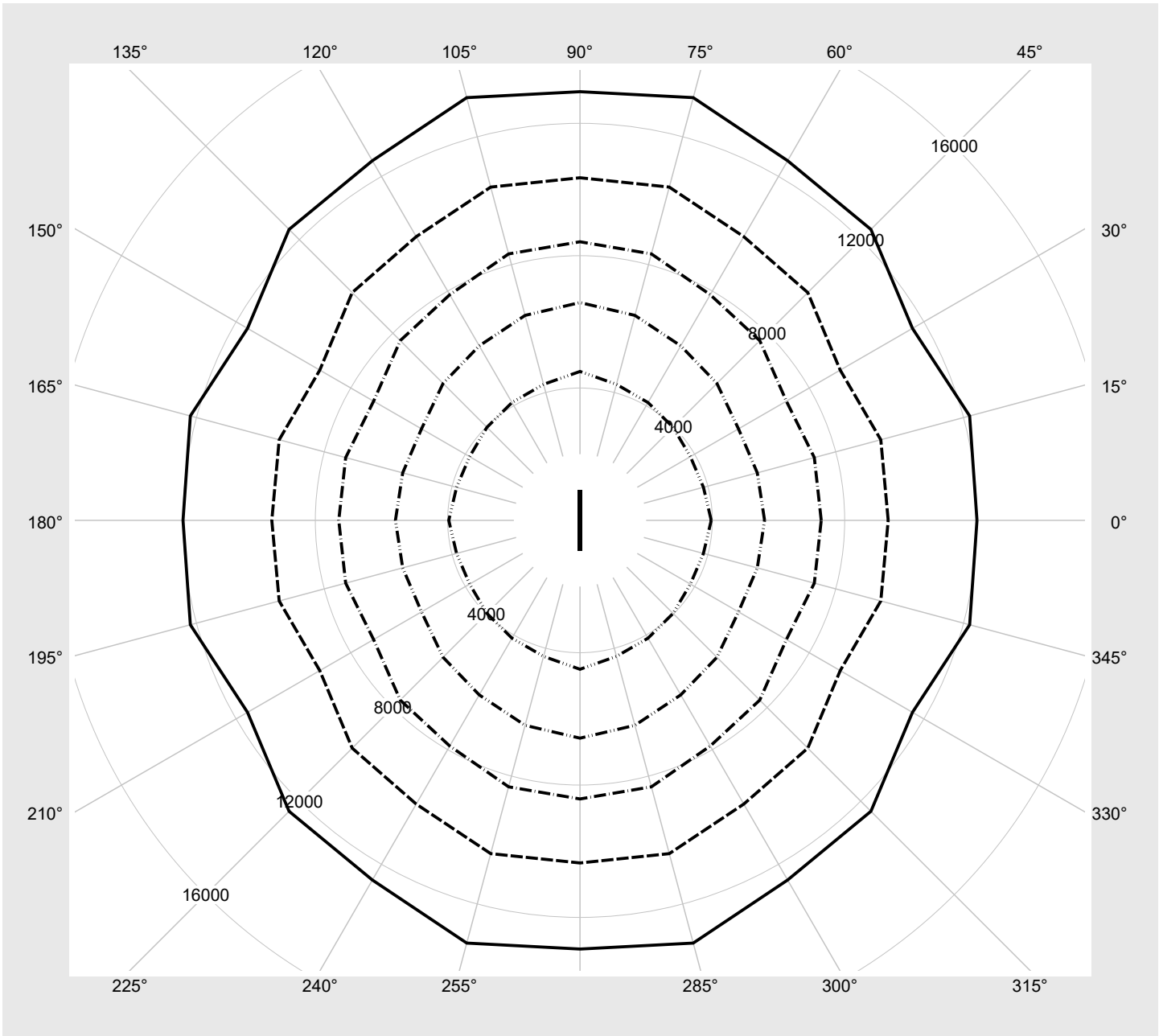
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1146 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	32303.0	31574.3	33007.8	31742.4	32670.1	32482.4	35083.3	
	50°	26352.1	25864.8	26070.0	25938.3	26627.2	26822.8	28170.2	
	55°	20686.8	20630.8	19653.8	20716.9	21002.6	21542.1	21195.6	
	60°	15739.2	15924.7	15012.0	16043.6	16213.1	16851.8	16414.5	
	65°	11999.6	12193.3	11604.4	12435.9	12551.6	13226.6	12956.5	
	70°	9315.9	9412.9	9082.5	9737.0	9901.0	10428.1	10354.8	
	75°	7291.7	7332.7	7204.0	7683.2	7874.9	8337.4	8420.2	
	80°	5579.1	5548.3	5532.0	5853.2	6091.1	6413.4	6582.7	
	85°	3966.9	3862.7	3853.2	3978.2	4111.7	4256.2	4500.2	

Photometric test report

Family Trunking Flex 31	Order number: 51RF12MA47XG4 EAN: 4069025499912	LP number 59302_242
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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: 51RF12MA47XG4 EAN: 4069025499912	LP number 59302_242
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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		
13	ON	ON	OFF	ON	7260	41.1
10	ON	OFF	ON	OFF	6050	34.7
8	ON	OFF	OFF	OFF	5330	30.5
6	OFF	ON	ON	OFF	4580	26.2
4	OFF	ON	OFF	OFF	3850	22.1
2	OFF	OFF	ON	OFF	3100	18.1