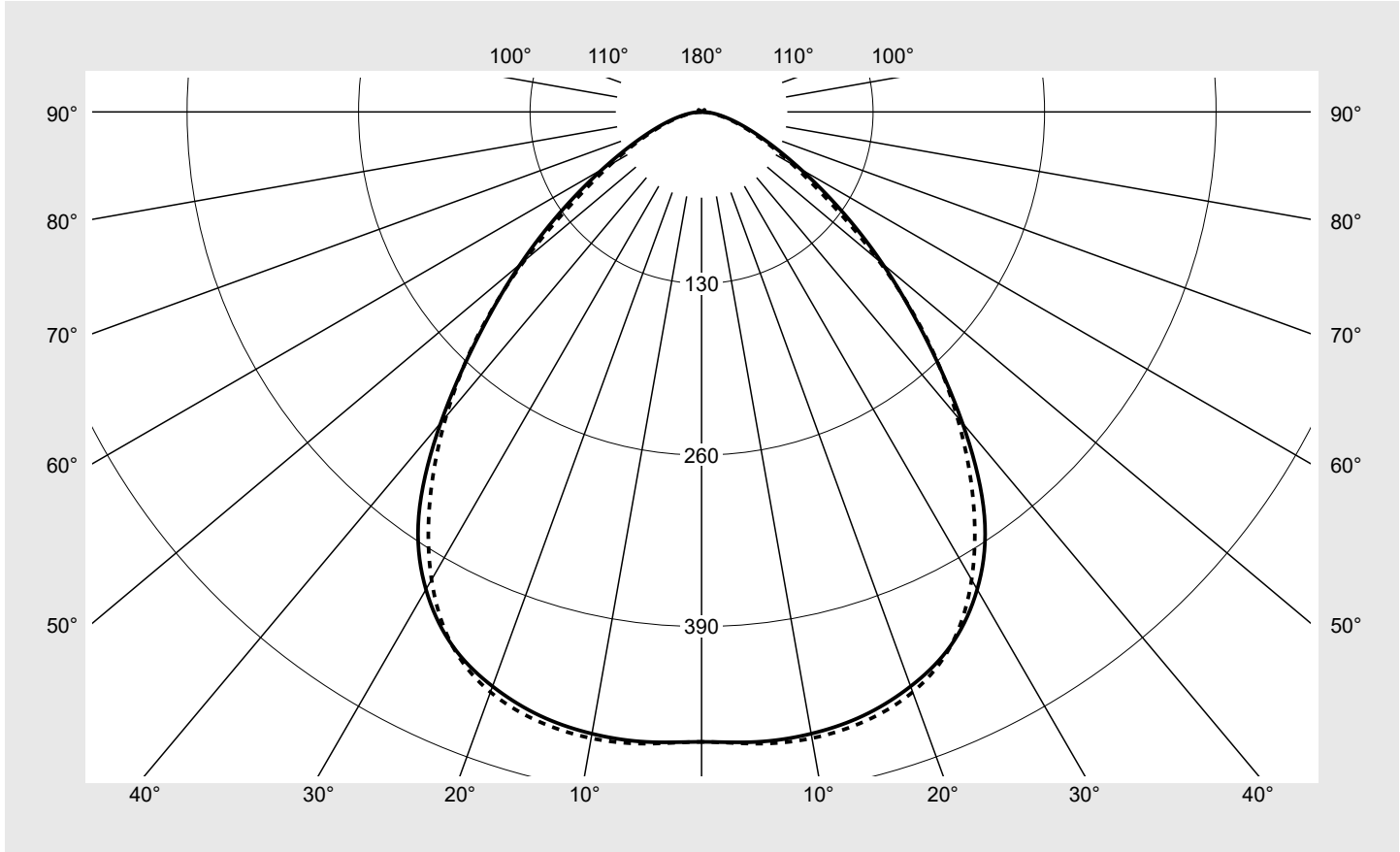


Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB49XG52S EAN: 4069025603050	LP number 59302_341
Version	primary light control with lens, transparent, PMMA, wide distribution	serial documentation 09.10.2025
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Setting	AC-mode	
Rated values	Net luminous flux = 9000 lm Power consumption = 52.1 W Luminous efficacy = 172.7 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: 51RF12DB49XG52S EAN: 4069025603050	LP number 59302_341
-----------------------------------	---	-------------------------------



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°	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: 51RF12DB49XG52S EAN: 4069025603050	LP number 59302_341
----------------------------	---	------------------------

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	22.4	23.9	22.8	24.2	24.5	22.5	24.0	22.8	24.3	24.6
	3H	22.9	24.2	23.3	24.6	24.9	23.0	24.3	23.3	24.6	25.0
	4H	23.0	24.3	23.4	24.6	25.0	23.1	24.4	23.5	24.7	25.1
	6H	23.1	24.3	23.5	24.6	25.0	23.2	24.4	23.6	24.7	25.1
	8H	23.2	24.2	23.6	24.6	25.0	23.3	24.3	23.7	24.7	25.1
	12H	23.2	24.2	23.6	24.6	25.0	23.3	24.3	23.7	24.6	25.1
4H	2H	22.7	23.9	23.1	24.3	24.6	22.7	24.0	23.1	24.3	24.7
	3H	23.3	24.3	23.7	24.7	25.1	23.3	24.4	23.8	24.8	25.2
	4H	23.5	24.4	23.9	24.8	25.2	23.6	24.5	24.0	24.9	25.3
	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	24.1	24.8	25.3	23.8	24.5	24.2	24.9	25.4
	12H	23.7	24.3	24.2	24.8	25.3	23.8	24.4	24.3	24.9	25.4
8H	4H	23.5	24.3	24.0	24.7	25.2	23.6	24.4	24.1	24.8	25.3
	6H	23.7	24.3	24.2	24.8	25.3	23.8	24.4	24.3	24.9	25.4
	8H	23.8	24.3	24.3	24.8	25.3	23.9	24.4	24.4	24.9	25.4
	12H	23.9	24.3	24.4	24.8	25.3	23.9	24.4	24.5	24.9	25.4
12H	4H	23.6	24.2	24.0	24.6	25.1	23.6	24.3	24.1	24.7	25.2
	6H	23.8	24.3	24.3	24.7	25.3	23.9	24.4	24.4	24.8	25.4
	8H	23.8	24.3	24.3	24.8	25.3	23.9	24.4	24.4	24.9	25.4

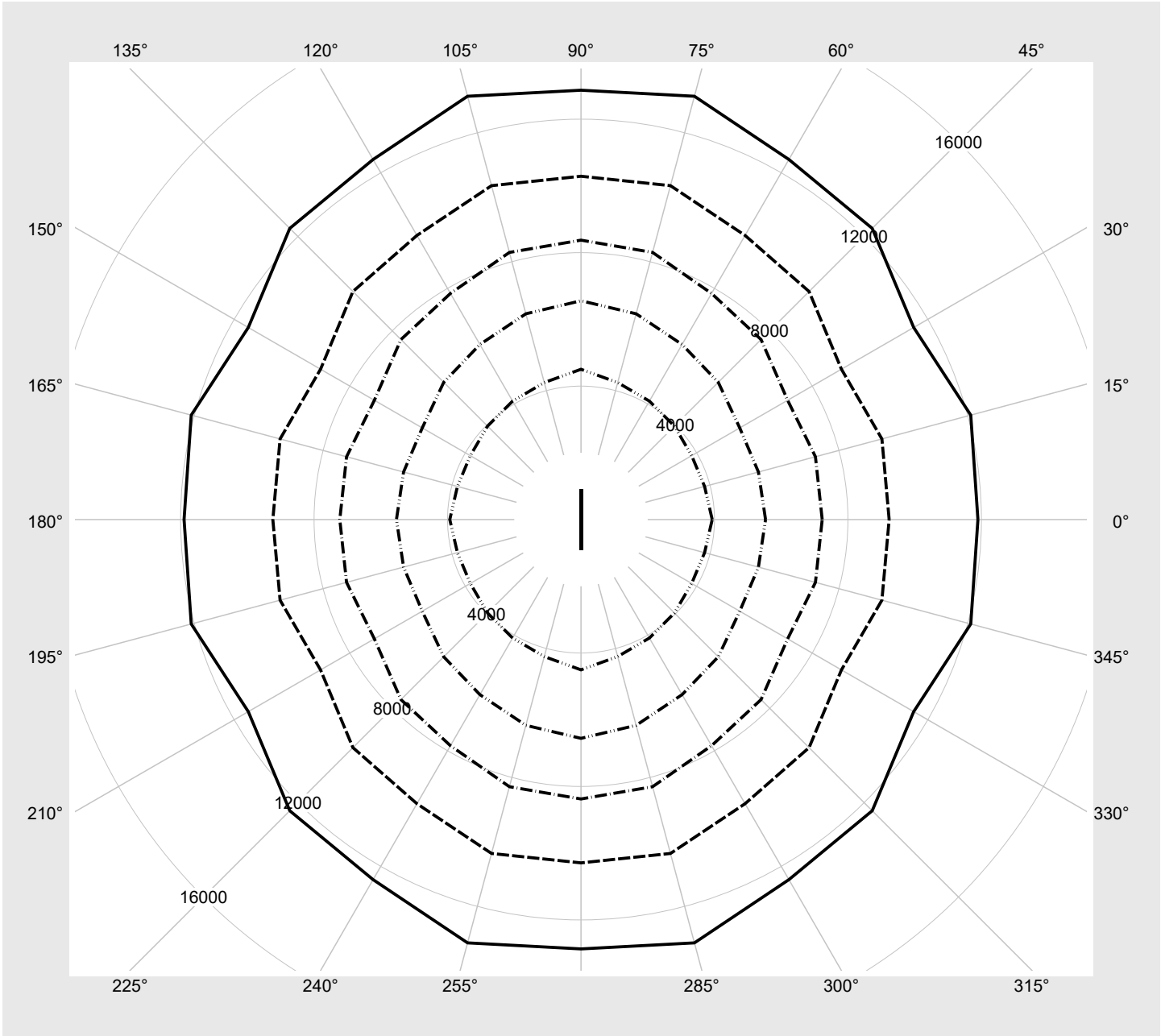
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1433 B = 61	H(C0) = 5 H(C90) = 5	H(C180) = 5 H(C270) = 5
-----------------	---------------------------------	-------------------------------	--------------------	-------------------------	----------------------------

C-planes	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°		32024.9	31309.0	32736.9	31487.4	32412.3	32229.2	34811.5
50°		26125.2	25648.4	25857.9	25732.7	26420.6	26617.8	27956.6
55°		20508.7	20459.1	19495.6	20555.2	20842.9	21381.5	21039.2
60°		15603.7	15793.1	14892.7	15920.8	16093.0	16730.2	16297.6
65°		11896.3	12093.3	11513.8	12343.3	12462.0	13135.3	12868.8
70°		9235.7	9336.6	9013.3	9667.2	9834.0	10360.7	10290.0
75°		7228.9	7274.3	7151.2	7631.4	7826.1	8289.5	8374.5
80°		5531.1	5505.4	5494.0	5817.9	6059.4	6384.9	6557.8
85°		3932.7	3834.6	3830.4	3960.4	4099.7	4251.3	4504.3

Photometric test report

Family Trunking Flex 31	Order number: 51RF12DB49XG52S EAN: 4069025603050	LP number 59302_341
-----------------------------------	---	-------------------------------

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: 51RF12DB49XG52S EAN: 4069025603050	LP number 59302_341
-----------------------------------	---	-------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9000	52.1
95	241	252	8566	49.6
90	227	250	8091	47.0
85	214	248	7649	44.5
80	201	245	7205	42.1
75	188	243	6756	39.6
70	175	240	6304	37.1
65	162	238	5852	34.8
60	149	234	5394	32.5
55	136	231	4933	30.2
50	124	228	4509	28.0
45	111	224	4044	25.5
40	99	219	3612	23.2
35	86	214	3144	20.8
30	74	209	2708	18.5
25	61	202	2234	15.9
20	49	194	1797	13.6
15	37	183	1355	11.2
10	25	169	911	9.0
5	13	145	467	6.8
3	7	122	244	5.8