
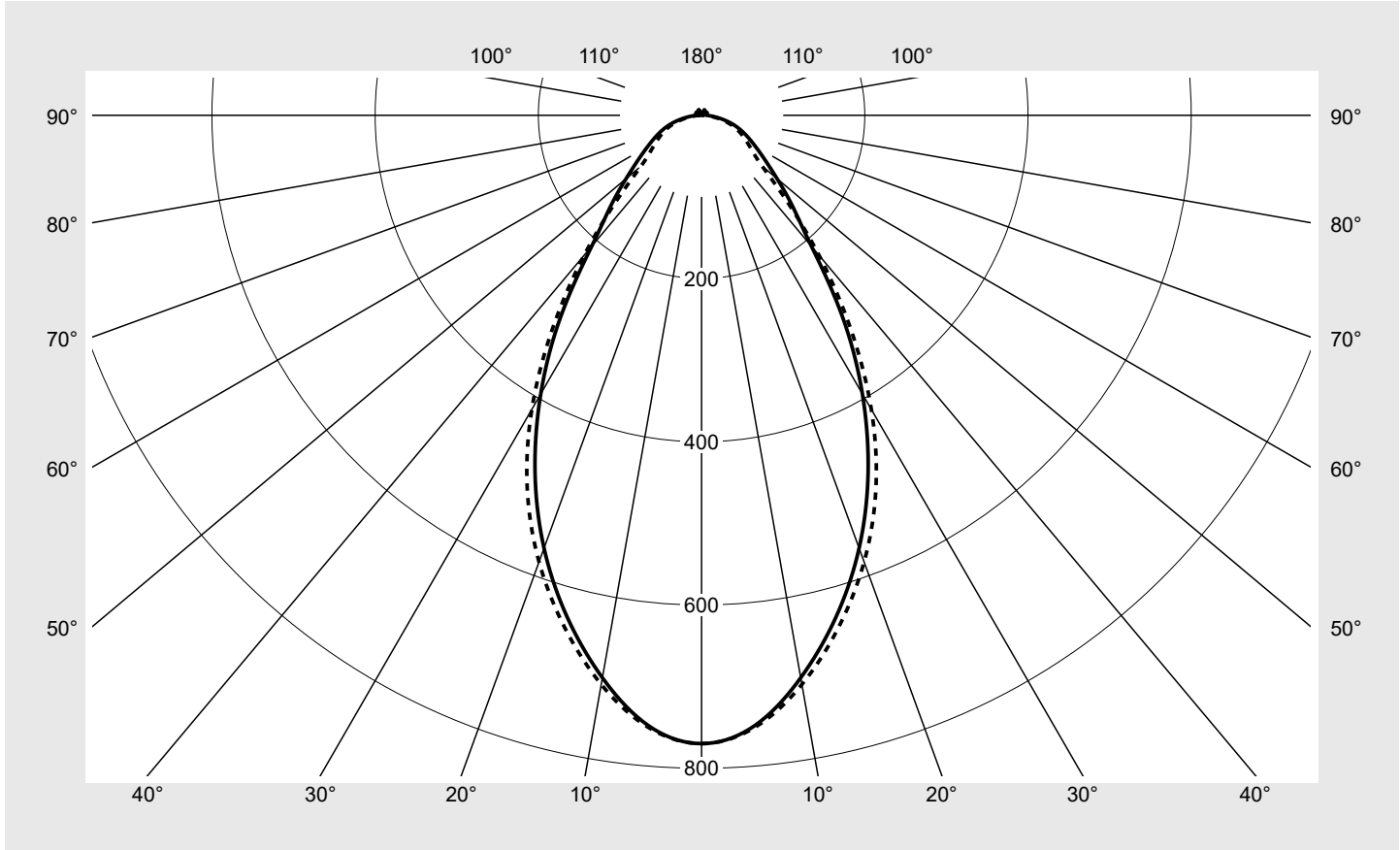


Photometric test report

Family Trunking Flex 31	Order number: 51RF18DB4B5G5 EAN: 4069025516138	LP number 59334_41
	Version primary light control with lens, transparent, PMMA, medium distribution	serial documentation 12.06.2025
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 11500 lm Power consumption = 64.5 W Luminous efficacy = 178.3 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 770 cd/klm**



Classifications	
DIN 5040	A 5 2
CIE	N1=71 N2=89 N3=97 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

Measurement conditions
 DIN EN 13032 and DIN 5032

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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°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	4.6	4.6
5°	750.5	750.8	751.0	751.1	751.5	752.0	752.6	35.9	40.5
10°	699.8	700.6	701.6	702.7	704.7	706.5	708.1	66.9	107.4
15°	636.4	638.3	639.3	639.4	641.6	644.9	649.2	90.9	198.4
20°	564.4	568.9	570.3	568.4	569.0	573.7	582.3	107.0	305.4
25°	482.9	489.3	491.0	488.2	487.1	492.8	505.4	113.6	419.0
30°	394.1	398.1	399.5	398.3	397.9	403.8	416.0	109.8	528.7
35°	300.6	301.5	301.8	301.7	304.2	309.6	317.7	95.8	624.5
40°	209.5	209.2	209.1	209.3	214.0	218.8	223.9	75.0	699.5
45°	157.8	146.3	142.8	147.3	155.5	155.1	146.2	58.1	757.6
50°	120.7	109.0	105.6	110.3	116.9	112.5	96.9	46.4	804.0
55°	94.5	85.7	83.1	86.7	91.1	87.4	75.9	38.9	842.8
60°	76.1	70.2	68.5	71.0	73.3	70.8	63.5	33.5	876.4
65°	62.1	58.4	57.3	58.8	59.8	58.0	53.5	29.0	905.3
70°	49.8	47.5	46.7	47.4	47.4	46.0	43.1	24.2	929.5
75°	37.3	35.8	35.2	35.3	34.8	33.6	31.6	18.5	948.0
80°	24.2	23.4	23.0	22.8	22.2	21.1	19.5	12.1	960.0
85°	13.1	12.7	12.2	11.7	10.8	9.8	8.5	6.2	966.2
90°	6.4	6.3	6.0	5.6	4.9	4.1	3.2	2.9	969.1
95°	5.8	5.7	5.4	4.9	4.2	3.5	3.0	2.6	971.7
100°	5.9	5.7	5.6	5.5	4.4	3.6	3.0	2.6	974.3
105°	7.0	6.6	6.2	5.8	4.5	3.7	3.3	2.8	977.1
110°	6.9	7.0	6.6	5.6	4.5	3.8	3.6	2.8	980.0
115°	7.4	6.5	5.9	5.4	4.6	4.2	3.9	2.7	982.6
120°	7.2	6.5	5.8	5.4	4.8	4.4	4.3	2.6	985.2
125°	6.6	6.4	6.1	5.6	5.0	4.7	4.7	2.5	987.7
130°	6.6	6.5	6.2	5.8	5.3	5.1	5.1	2.4	990.2
135°	6.7	6.6	6.3	6.0	5.6	5.4	5.4	2.3	992.5
140°	6.9	6.8	6.5	6.1	5.9	5.8	5.8	2.2	994.7
145°	7.0	6.9	6.6	6.2	6.1	6.1	6.1	2.0	996.7
150°	6.9	6.7	6.5	6.4	6.3	6.3	6.3	1.8	998.5
155°	6.7	6.6	6.6	6.6	6.5	6.5	6.5	1.5	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	21.3	22.7	21.6	23.0	23.3	21.5	22.9	21.8	23.2	23.5
	3H	22.5	23.8	22.9	24.1	24.5	22.6	23.9	23.0	24.3	24.6
	4H	23.1	24.3	23.5	24.6	25.0	23.2	24.4	23.6	24.7	25.1
	6H	23.5	24.6	24.0	25.0	25.4	23.6	24.7	24.0	25.1	25.5
	8H	23.8	24.8	24.2	25.1	25.5	23.8	24.8	24.3	25.2	25.6
	12H	23.9	24.8	24.3	25.2	25.6	23.9	24.8	24.4	25.2	25.7
4H	2H	21.8	23.0	22.2	23.3	23.7	21.9	23.1	22.3	23.5	23.9
	3H	23.2	24.2	23.6	24.6	25.0	23.4	24.4	23.8	24.8	25.2
	4H	23.9	24.8	24.4	25.2	25.7	24.1	25.0	24.5	25.4	25.8
	6H	24.5	25.3	25.0	25.7	26.2	24.6	25.4	25.1	25.8	26.3
	8H	24.7	25.4	25.2	25.9	26.4	24.8	25.5	25.3	26.0	26.5
	12H	24.9	25.5	25.4	26.0	26.5	25.0	25.6	25.5	26.0	26.5
8H	4H	24.2	24.9	24.7	25.4	25.9	24.3	25.1	24.8	25.5	26.0
	6H	24.9	25.5	25.4	26.0	26.5	25.0	25.6	25.5	26.1	26.6
	8H	25.2	25.7	25.7	26.2	26.7	25.3	25.8	25.8	26.3	26.8
	12H	25.5	25.9	26.0	26.4	26.9	25.5	25.9	26.0	26.4	27.0
12H	4H	24.3	24.9	24.8	25.3	25.8	24.4	25.0	24.9	25.5	26.0
	6H	25.0	25.5	25.5	26.0	26.5	25.1	25.6	25.6	26.1	26.6
	8H	25.3	25.8	25.9	26.3	26.8	25.4	25.8	25.9	26.3	26.9

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
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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/m ²						
45°	27133.1	25198.2	24766.7	25851.1	27704.5	28158.2	27099.7
50°	22507.1	20373.7	19886.6	21065.7	22740.3	22360.4	19748.0
55°	19410.5	17636.6	17264.6	18315.6	19650.3	19375.8	17322.2
60°	17525.7	16226.4	16017.0	16916.7	17926.8	17874.8	16615.8
65°	16439.6	15519.3	15439.4	16217.0	16997.4	17141.2	16525.7
70°	15624.1	14963.5	14965.5	15646.5	16279.7	16577.8	16435.6
75°	14508.8	14019.7	14058.6	14641.4	15202.5	15634.0	15844.5
80°	12508.9	12205.7	12319.0	12868.9	13446.1	14003.7	14458.7
85°	10243.5	10013.1	10072.4	10432.6	10867.7	11513.7	12387.8

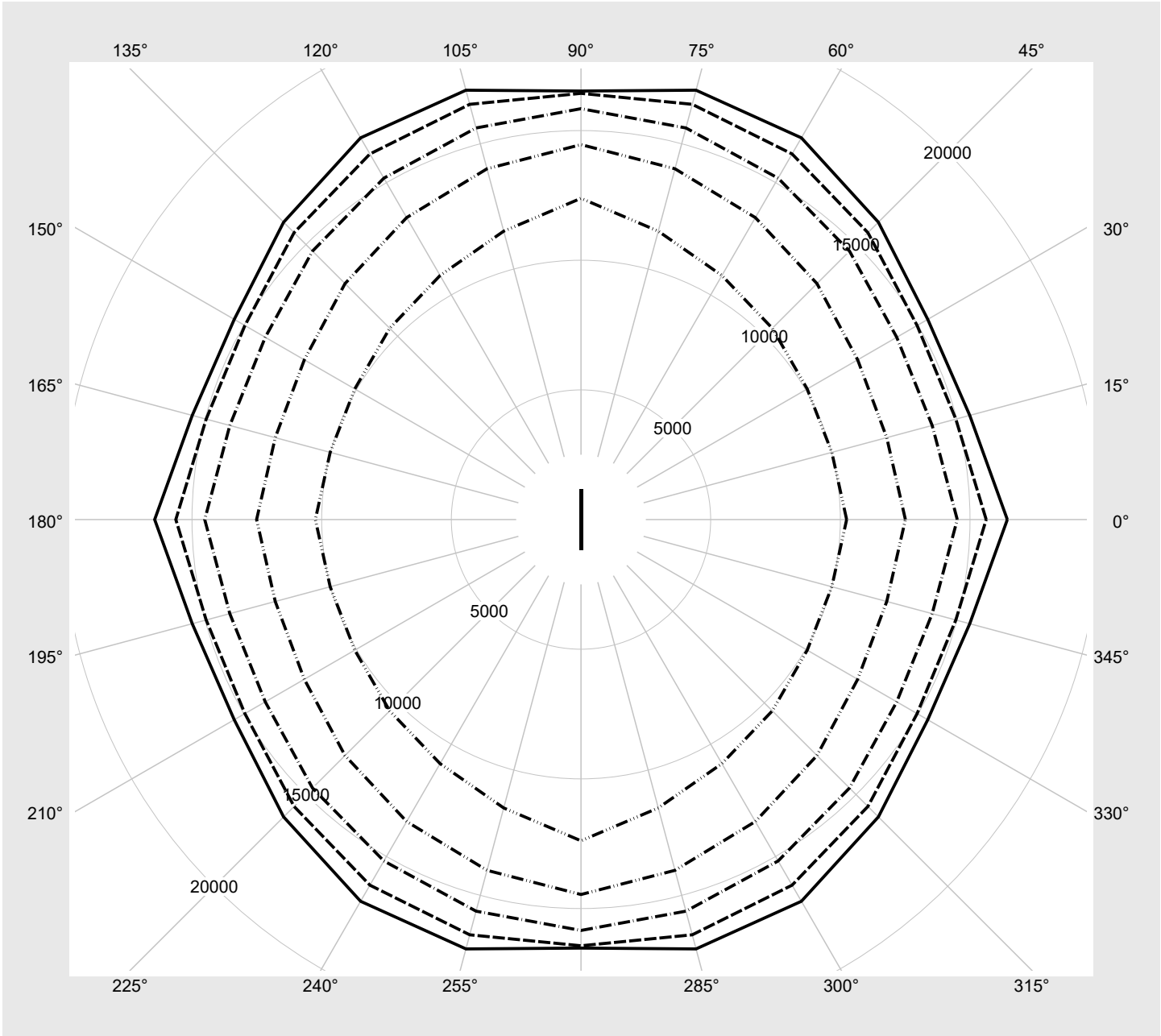
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	64.5
95	240	252	10913	61.0
90	227	250	10358	57.7
85	213	248	9759	54.1
80	200	245	9198	50.9
75	187	243	8632	47.7
70	174	240	8062	44.4
65	161	237	7486	41.2
60	148	234	6907	38.0
55	135	231	6320	34.8
50	122	227	5731	31.7
45	110	223	5181	28.8
40	97	219	4584	25.6
35	85	214	4026	22.8
30	73	208	3464	19.9
25	60	201	2854	16.8
20	48	193	2285	13.8
15	36	182	1716	11.0
10	24	168	1140	8.2
5	12	142	564	5.3
2	5	110	226	3.8