
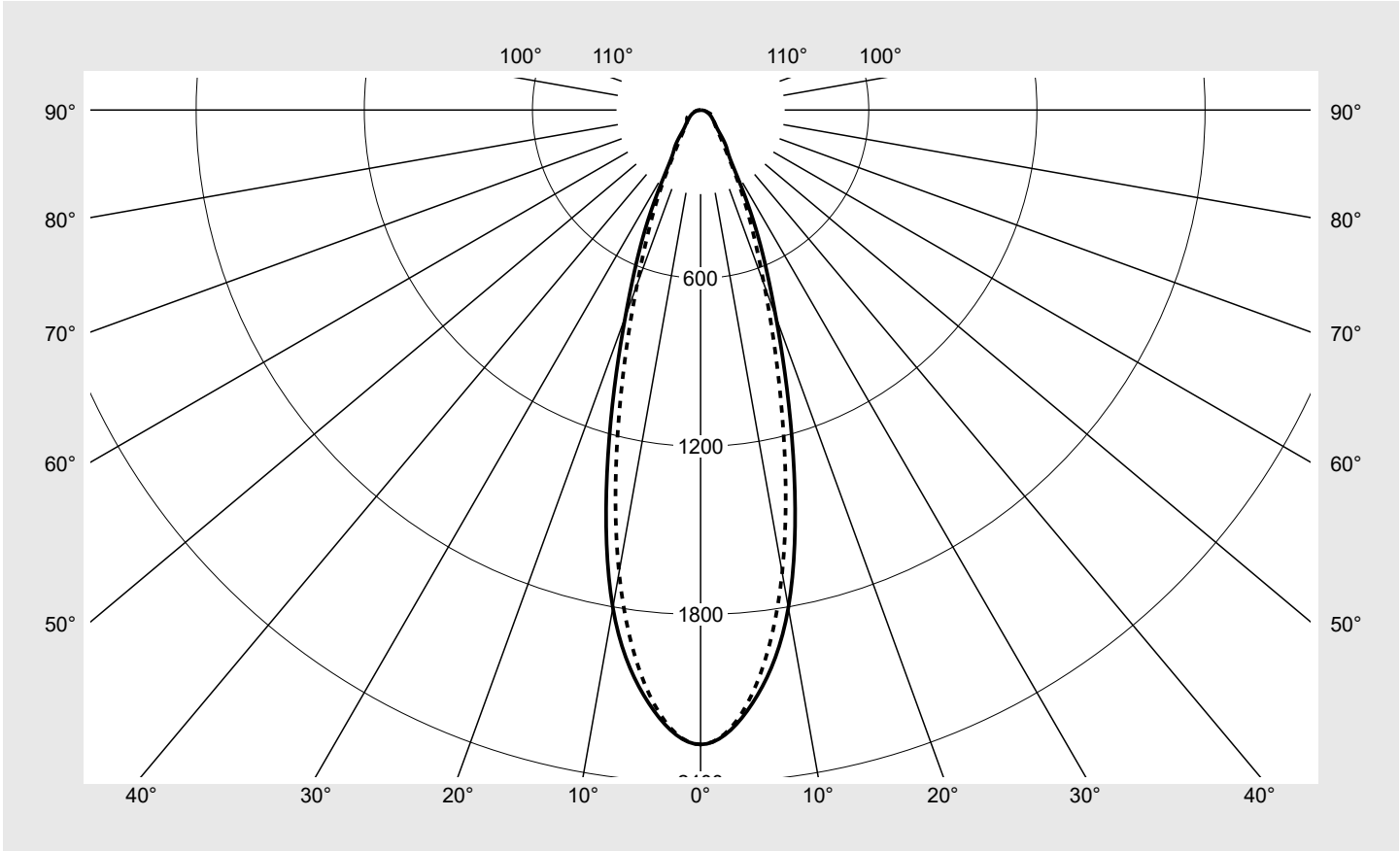


Photometric test report

Family Trunking Flex 31	Order number: 51RE11DB49B EAN: 4058352794586	LP number 59298_6
	Version primary light control with lens, transparent, PMMA, narrow distribution	serial documentation 27.03.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG-DALI	
Rated values	Net luminous flux = 8900 lm Power consumption = 56.0 W Luminous efficacy = 158.9 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 Imax: 2264 cd/klm



Classifications	
DIN 5040	A 7 1
CIE	N1=83 N2=93 N3=98 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.6%
ϕ_o	0.4%

Measurement conditions
DIN EN 13032 and DIN 5032

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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°	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	2264.0	13.5	13.5
5°	2124.6	2117.3	2110.0	2106.4	2102.8	2098.6	2094.4	100.7	114.2
10°	1803.1	1798.4	1793.7	1758.4	1723.0	1699.6	1676.2	166.8	281.0
15°	1276.6	1263.1	1249.6	1218.9	1188.2	1155.9	1123.7	172.0	453.0
20°	785.2	773.2	761.2	738.3	715.4	689.4	663.4	137.5	590.6
25°	464.9	459.0	453.1	430.5	408.0	399.6	391.2	99.5	690.1
30°	231.5	245.6	259.7	243.1	226.4	219.0	211.5	64.6	754.8
35°	159.7	155.6	151.5	146.8	142.0	136.2	130.5	46.0	800.7
40°	102.9	101.3	99.7	98.2	96.6	94.1	91.5	34.5	835.2
45°	75.8	74.7	73.5	74.4	75.2	73.4	71.7	28.7	863.9
50°	60.6	60.0	59.4	61.7	64.1	63.5	63.0	25.9	889.9
55°	50.2	50.1	50.0	53.9	57.9	58.8	59.6	24.4	914.2
60°	41.8	41.5	41.2	46.6	51.9	53.9	55.8	22.5	936.7
65°	33.8	33.4	32.9	37.5	42.1	45.1	48.0	19.2	955.9
70°	26.2	26.2	26.2	27.6	29.0	31.8	34.7	14.7	970.6
75°	20.4	20.2	20.1	21.5	22.8	21.7	20.6	11.2	981.8
80°	14.1	14.0	14.0	15.4	16.8	16.1	15.5	8.2	990.0
85°	7.7	7.7	7.8	9.4	11.0	10.5	10.0	5.0	995.0
90°	1.9	1.9	1.9	3.7	5.5	4.9	4.4	1.9	996.9
95°	0.0	0.0	0.0	1.4	2.7	3.0	3.2	0.8	997.7
100°	0.0	0.0	0.0	1.0	2.1	2.5	2.9	0.6	998.3
105°	0.0	0.0	0.0	1.0	1.9	2.2	2.5	0.6	998.9
110°	0.0	0.0	0.0	0.8	1.6	1.9	2.2	0.5	999.4
115°	0.0	0.0	0.0	0.7	1.3	1.5	1.8	0.4	999.7
120°	0.0	0.0	0.0	0.5	1.1	1.2	1.4	0.3	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	16.4	17.6	16.7	17.9	18.2	17.5	18.7	17.9	19.0	19.4
	3H	17.6	18.7	18.0	19.0	19.4	19.2	20.2	19.5	20.6	20.9
	4H	18.2	19.2	18.6	19.5	19.9	19.7	20.7	20.1	21.0	21.4
	6H	18.7	19.6	19.1	19.9	20.3	20.2	21.1	20.6	21.5	21.8
	8H	19.0	19.7	19.4	20.1	20.5	20.5	21.3	21.0	21.7	22.1
	12H	19.1	19.8	19.5	20.2	20.6	20.8	21.5	21.2	21.9	22.3
4H	2H	17.1	18.0	17.5	18.4	18.8	18.0	19.0	18.4	19.3	19.7
	3H	18.4	19.2	18.8	19.6	20.1	19.7	20.6	20.2	21.0	21.4
	4H	19.1	19.8	19.5	20.3	20.7	20.4	21.2	20.9	21.6	22.0
	6H	19.7	20.4	20.2	20.8	21.3	21.1	21.7	21.5	22.1	22.6
	8H	20.0	20.5	20.5	21.0	21.5	21.4	22.0	21.9	22.4	22.9
	12H	20.2	20.6	20.7	21.1	21.6	21.8	22.2	22.3	22.7	23.2
8H	4H	19.5	20.0	19.9	20.5	21.0	20.6	21.2	21.1	21.6	22.1
	6H	20.2	20.7	20.7	21.1	21.7	21.5	21.9	22.0	22.4	22.9
	8H	20.5	20.9	21.0	21.4	21.9	21.9	22.3	22.4	22.8	23.3
	12H	20.8	21.1	21.3	21.6	22.2	22.4	22.7	22.9	23.2	23.8
12H	4H	19.6	20.0	20.0	20.5	21.0	20.7	21.1	21.2	21.6	22.1
	6H	20.3	20.7	20.9	21.2	21.7	21.5	21.9	22.1	22.4	22.9
	8H	20.7	21.0	21.2	21.5	22.1	22.0	22.4	22.6	22.9	23.4

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°		10087.1	9954.3	9870.9	10099.9	10375.0	10321.7	10283.2	
50°		8739.6	8672.5	8656.7	9121.7	9644.4	9776.5	9934.4	
55°		7969.2	7972.8	8032.6	8809.5	9665.1	10075.7	10534.0	
60°		7458.2	7420.1	7443.7	8580.9	9827.4	10525.5	11302.7	
65°		6935.0	6862.8	6858.8	8000.9	9271.9	10313.6	11482.1	
70°		6357.8	6392.7	6507.9	7044.6	7690.1	8873.7	10228.5	
75°		6139.8	6130.7	6219.6	6890.2	7713.4	7822.3	7996.1	
80°		5630.5	5651.1	5796.2	6708.3	7865.2	8298.7	8907.2	
85°		4617.0	4719.7	4989.1	6505.4	8556.0	9587.2	11252.0	

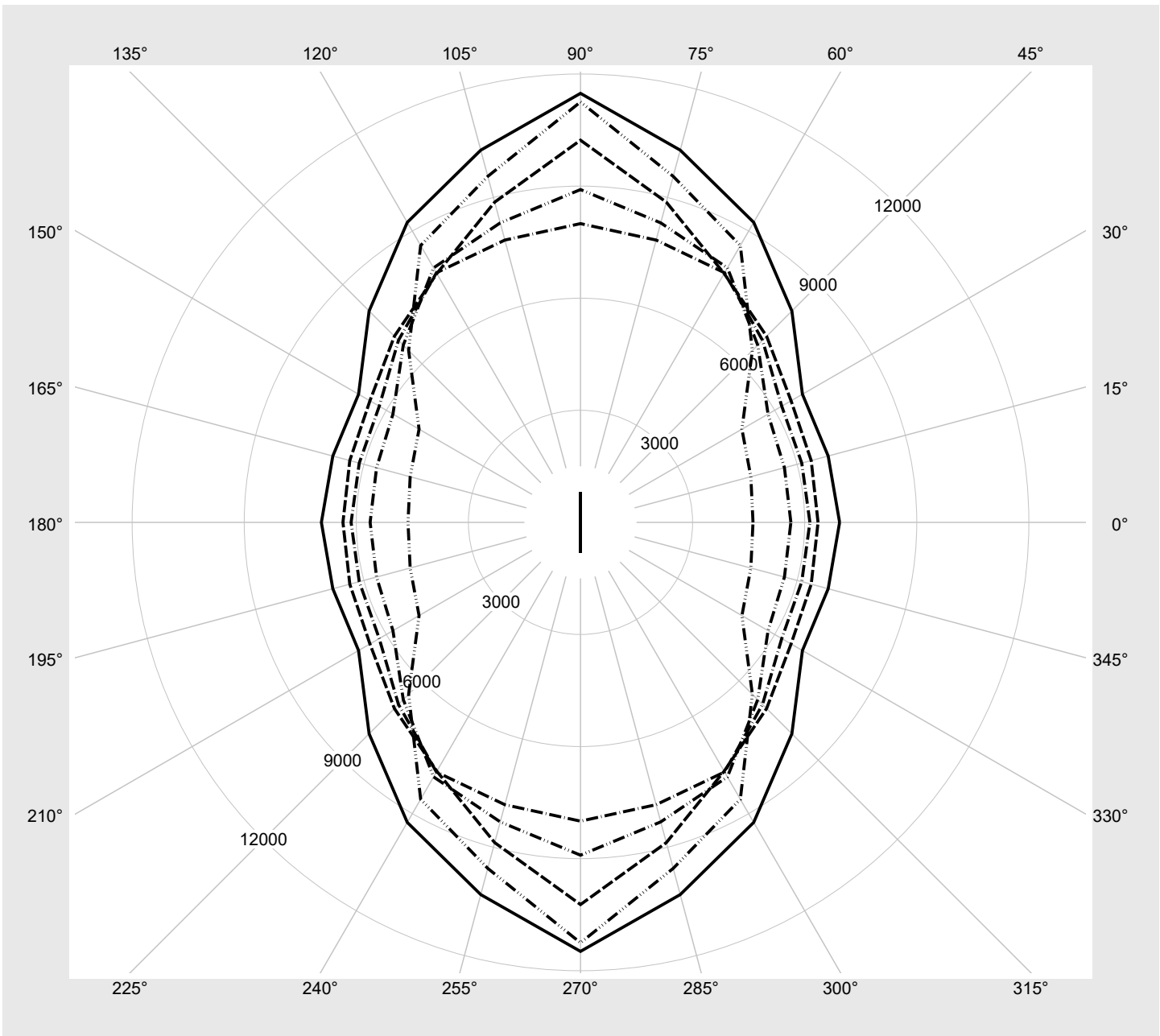
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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		
2	OFF	ON	OFF	OFF	8900	56.0
3	ON	ON	OFF	OFF	8500	54.0
4	OFF	OFF	ON	OFF	8200	52.0
5	ON	OFF	ON	OFF	8000	50.0
6	OFF	ON	ON	OFF	7700	48.0
7	ON	ON	ON	OFF	7400	46.0
8	OFF	OFF	OFF	ON	7100	44.0
9	ON	OFF	OFF	ON	6800	42.0
10	OFF	ON	OFF	ON	6500	40.0
11	ON	ON	OFF	ON	6100	38.0
12	OFF	OFF	ON	ON	5800	36.0
13	ON	OFF	ON	ON	5500	34.0
14	OFF	ON	ON	ON	5200	32.0
15	ON	ON	ON	ON	4900	30.0