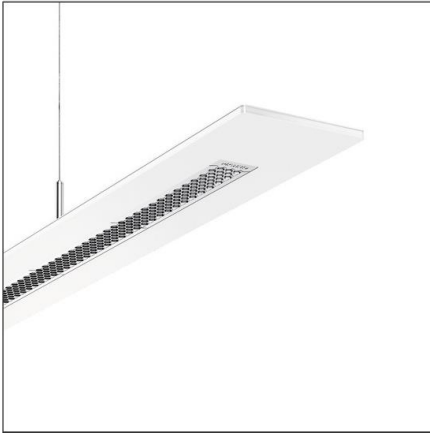


Photometric test report

Family
ARKTIKA-P LED

Order number: **5MB251DL30830**
EAN: **4052899488816**

LP number
57553_13



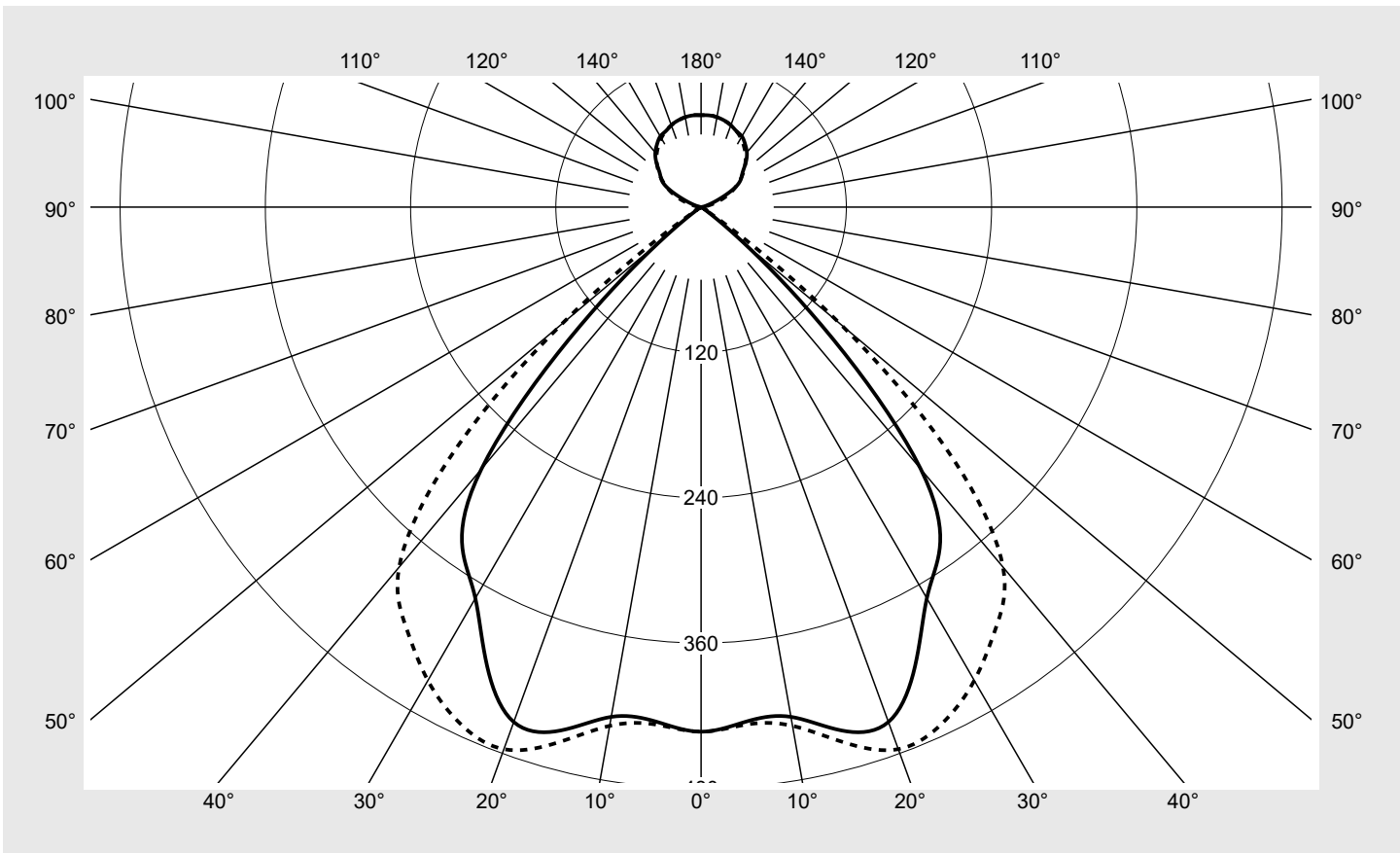
Version	LED suspended design luminaire, direct-/indirect distribution, CAT2 ($L \leq 1500 \text{cd/m}^2$), $UGR \leq 19$
Lamps	1 x LED 3000K / CRI ≥ 80 (unbekannt LED 3000K / CRI = 80)
Controlgear	ECG-DALI
Rated values	Net luminous flux = 4050 lm Power consumption = 33.7 W Luminous efficacy = 120.2 lm/W

serial
documentation
09.03.2018

siteco

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

Imax: **476 cd/klm**



Classifications

DIN 5040 B 6 3
CIE N1=81 N2=100 N3=100
N4=79 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 79.5%
 ϕ_o 20.5%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family ARKTIKA-P LED	Order number: 5MB251DL30830 EAN: 4052899488816	LP number 57553_13
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°	433.2	433.2	433.2	433.2	433.2	433.2	433.2	2.6	2.6
5°	426.5	426.5	425.6	424.9	426.0	427.6	428.9	20.4	23.0
10°	427.5	430.0	429.8	426.0	426.2	431.8	435.0	40.8	63.8
15°	447.4	451.3	453.4	445.5	441.3	450.6	457.8	63.7	127.5
20°	452.5	460.9	467.2	454.3	449.2	462.2	476.4	86.2	213.7
25°	418.3	437.4	458.1	443.9	433.1	453.2	470.7	103.1	316.8
30°	373.0	397.8	433.1	420.3	405.2	426.2	451.4	114.0	430.8
35°	343.8	363.2	401.3	393.2	375.2	394.5	424.5	121.1	551.9
40°	282.3	305.4	358.1	342.0	310.9	340.1	388.1	117.0	668.8
45°	154.3	174.8	244.7	219.6	179.2	221.3	295.4	81.7	750.5
50°	46.0	61.9	112.4	83.5	55.1	89.1	150.3	35.0	785.5
55°	5.8	7.4	20.8	13.9	7.5	12.1	21.8	5.7	791.2
60°	5.2	2.7	2.7	3.0	6.0	3.0	2.7	1.7	792.9
65°	1.4	1.4	1.2	1.4	1.5	1.4	1.3	0.7	793.5
70°	0.9	0.9	0.8	1.0	1.1	1.0	0.9	0.5	794.0
75°	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.3	794.4
80°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.2	794.6
85°	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.2	794.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	794.8
95°	0.6	0.6	0.7	1.0	1.3	1.4	1.2	0.5	795.3
100°	1.7	1.8	2.3	3.2	4.2	4.4	4.1	1.7	797.0
105°	4.0	4.5	5.6	7.7	9.2	9.9	9.9	3.9	800.9
110°	9.4	9.9	12.4	15.0	16.3	17.3	17.3	7.2	808.1
115°	19.2	20.5	22.7	23.6	24.4	25.0	25.3	11.5	819.6
120°	32.5	32.4	32.1	30.8	32.6	32.1	32.7	15.2	834.8
125°	40.2	39.3	37.8	38.7	39.3	39.0	39.6	17.5	852.3
130°	44.9	44.7	45.1	46.2	45.5	45.6	45.9	19.1	871.4
135°	52.3	52.1	52.4	51.7	51.4	51.3	51.8	20.1	891.5
140°	58.9	58.2	57.5	57.0	56.6	56.5	57.1	20.2	911.7
145°	63.4	62.9	62.2	61.6	60.9	61.1	61.6	19.4	931.1
150°	67.4	66.7	65.6	64.6	65.1	65.4	65.8	18.0	949.1
155°	69.2	68.5	68.0	68.2	68.6	68.9	69.2	15.9	965.0
160°	72.0	71.4	71.0	71.1	71.3	71.7	71.9	13.4	978.4
165°	74.0	73.5	73.1	73.2	73.4	73.8	74.0	10.4	988.8
170°	75.4	74.8	74.4	74.6	74.9	75.2	75.4	7.1	995.9
175°	76.0	75.6	75.2	75.4	75.7	76.1	76.3	3.6	999.5
180°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	0.5	1000.0

Photometric test report

Family ARKTIKA-P LED	Order number: 5MB251DL30830 EAN: 4052899488816	LP number 57553_13
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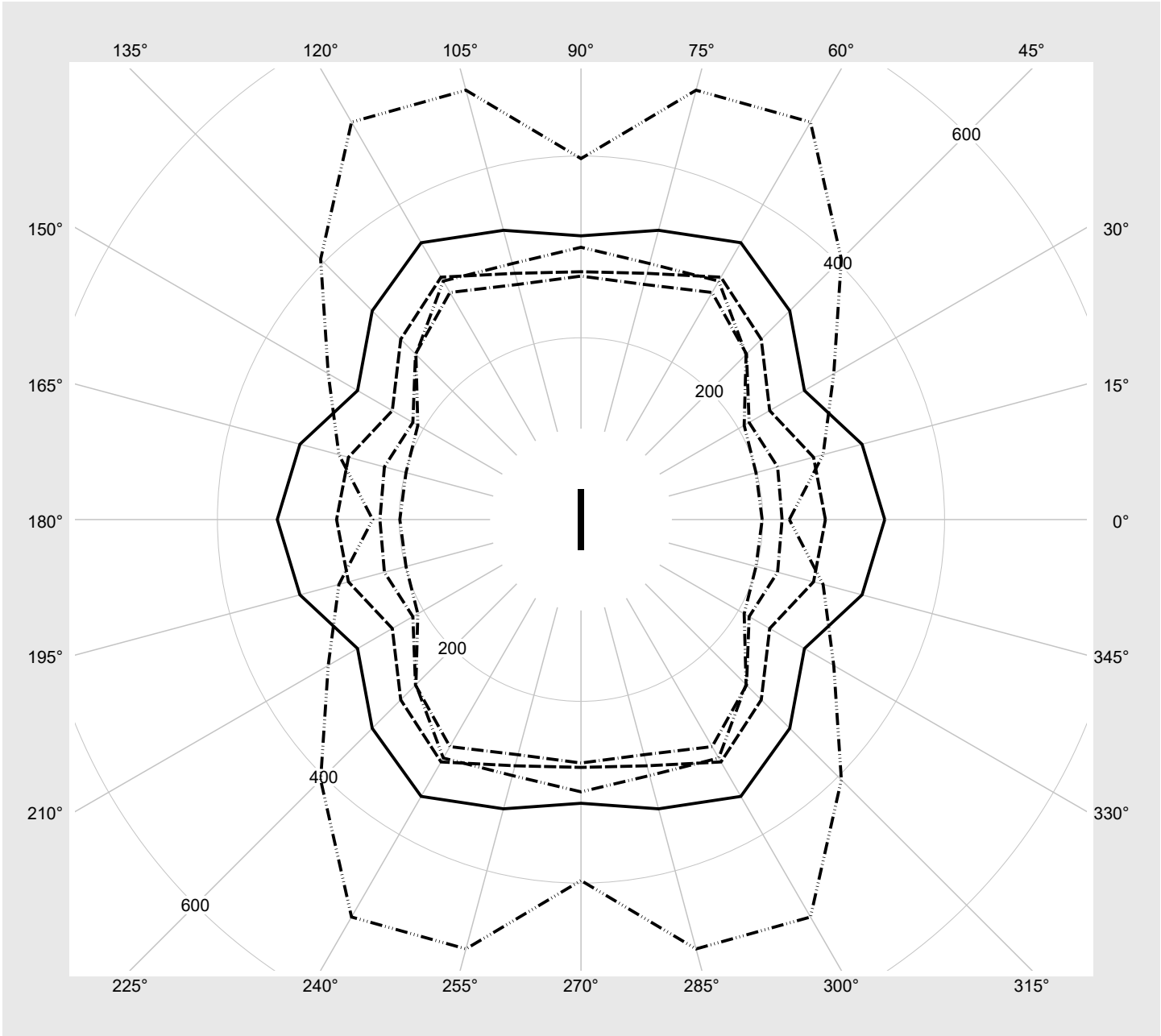
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	19.0	20.0	19.6	20.7	21.4	19.5	20.6	20.2	21.2	22.0
	3H	18.8	19.7	19.4	20.3	21.1	19.3	20.2	20.0	20.9	21.7
	4H	18.7	19.5	19.4	20.2	21.0	19.2	20.1	19.9	20.8	21.5
	6H	18.6	19.4	19.3	20.1	20.9	19.1	19.9	19.8	20.6	21.4
	8H	18.5	19.2	19.3	19.9	20.8	19.1	19.7	19.8	20.5	21.3
	12H	18.5	19.1	19.2	19.9	20.7	19.0	19.7	19.8	20.4	21.2
4H	2H	18.7	19.5	19.4	20.2	21.0	19.2	20.1	19.9	20.8	21.6
	3H	18.5	19.2	19.2	19.9	20.7	19.0	19.7	19.8	20.4	21.3
	4H	18.4	19.0	19.1	19.7	20.6	18.9	19.6	19.7	20.3	21.1
	6H	18.3	18.8	19.0	19.6	20.4	18.8	19.4	19.6	20.1	21.0
	8H	18.2	18.7	19.0	19.4	20.3	18.7	19.2	19.5	20.0	20.9
	12H	18.2	18.6	18.9	19.3	20.3	18.7	19.1	19.5	19.9	20.8
8H	4H	18.2	18.7	19.0	19.4	20.3	18.7	19.2	19.5	20.0	20.9
	6H	18.1	18.4	18.9	19.2	20.2	18.6	19.0	19.4	19.8	20.7
	8H	18.0	18.4	18.8	19.1	20.1	18.6	18.9	19.4	19.7	20.6
	12H	18.0	18.3	18.8	19.1	20.0	18.5	18.8	19.3	19.6	20.6
12H	4H	18.2	18.6	18.9	19.3	20.3	18.7	19.1	19.5	19.9	20.8
	6H	18.1	18.4	18.8	19.2	20.1	18.6	18.9	19.4	19.7	20.6
	8H	18.0	18.3	18.8	19.1	20.0	18.5	18.8	19.3	19.6	20.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1050		B = 39	
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°		21583.6	24454.3	34219.8	30708.3	25061.1	30949.6	41316.2	
50°		7076.8	9525.6	17288.6	12840.0	8480.5	13707.8	23119.1	
55°		1001.5	1274.6	3590.0	2405.0	1295.5	2086.6	3759.6	
60°		1034.3	537.0	533.1	591.8	1190.2	595.8	543.8	
65°		334.2	320.1	283.9	324.8	351.7	329.5	312.2	
70°		268.9	264.9	239.7	280.5	308.0	280.5	272.7	
75°		221.3	223.9	213.6	257.6	288.5	267.9	267.9	
80°		199.3	199.3	207.3	256.9	303.0	291.6	299.6	
85°		229.2	275.7	321.1	405.1	505.0	489.1	397.2	

Photometric test report

Family ARCTIKA-P LED	Order number: 5MB251DL30830 EAN: 4052899488816	LP number 57553_13
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family ARKTIKA-P LED	Order number: 5MB251DL30830 EAN: 4052899488816	LP number 57553_13
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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	4050	33.7
95	241	252	3844	31.9
90	228	250	3641	30.2
85	215	248	3439	28.5
80	202	246	3237	26.9
75	189	243	3035	25.2
70	177	241	2832	23.6
65	164	238	2630	22.0
60	152	235	2428	20.4
55	139	232	2225	18.8
50	127	228	2023	17.3
45	114	224	1821	15.8
40	102	220	1618	14.2
35	90	215	1416	12.8
30	78	210	1214	11.3
25	66	203	1012	9.8
20	53	195	809	8.3
15	40	184	607	7.1
10	27	169	405	5.6
5	13	144	202	3.9