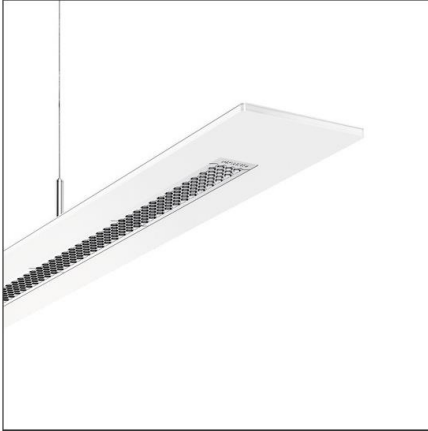


## Photometric test report

Family  
**ARKTIKA-P LED**

Order number: **5MB251DL30840**  
EAN: **4052899488823**

LP number  
**57553\_15**



**Version** LED suspended design luminaire, direct-/ indirect distribution,  $UGR \leq 19$  ( $L65 \leq 1500 \text{cd/m}^2$ )

**Lamps** 1 x LED 4000K / CRI  $\geq 80$   
(unbekannt LED 4000K / CRI = 80)

**Controlgear** ECG-DALI

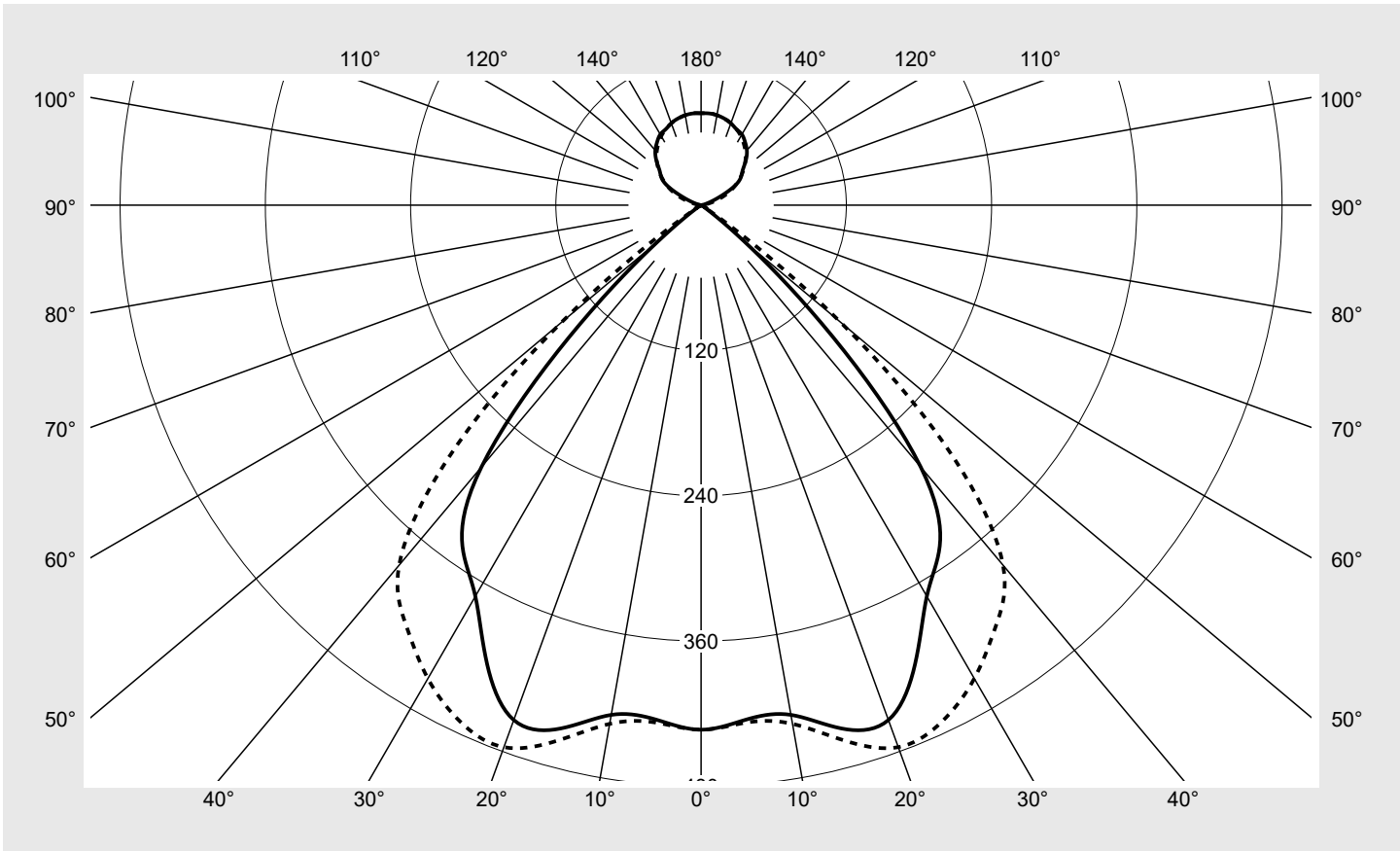
**Rated values** Net luminous flux = 4400 lm  
Power consumption = 33.7 W  
Luminous efficacy = 130.6 lm/W

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

$\eta_{LB}$  100.0%  
 $\phi_u$  79.5%  
 $\phi_o$  20.5%

### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> <b>ARKTIKA-P LED</b>	<b>Order number: 5MB251DL30840</b> <b>EAN: 4052899488823</b>	<b>LP number</b> <b>57553_15</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes $\gamma$	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

<b>Family</b> ARKTIKA-P LED	<b>Order number: 5MB251DL30840</b> <b>EAN: 4052899488823</b>	<b>LP number</b> 57553_15
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	19.3	20.3	19.9	21.0	21.7	19.8	20.9	20.5	21.5	22.2
	3H	19.0	20.0	19.7	20.6	21.4	19.6	20.5	20.3	21.2	22.0
	4H	19.0	19.8	19.7	20.5	21.3	19.5	20.4	20.2	21.0	21.8
	6H	18.9	19.7	19.6	20.3	21.2	19.4	20.2	20.1	20.9	21.7
	8H	18.8	19.5	19.5	20.2	21.1	19.4	20.0	20.1	20.7	21.6
	12H	18.8	19.4	19.5	20.1	21.0	19.3	20.0	20.0	20.7	21.5
4H	2H	19.0	19.8	19.7	20.5	21.3	19.5	20.4	20.2	21.1	21.9
	3H	18.8	19.5	19.5	20.2	21.0	19.3	20.0	20.0	20.7	21.6
	4H	18.7	19.3	19.4	20.0	20.9	19.2	19.8	20.0	20.6	21.4
	6H	18.6	19.1	19.3	19.9	20.7	19.1	19.7	19.9	20.4	21.3
	8H	18.5	19.0	19.2	19.7	20.6	19.0	19.5	19.8	20.3	21.2
	12H	18.5	18.9	19.2	19.6	20.5	19.0	19.4	19.8	20.2	21.1
8H	4H	18.5	19.0	19.3	19.7	20.6	19.0	19.5	19.8	20.3	21.2
	6H	18.3	18.7	19.1	19.5	20.4	18.9	19.3	19.7	20.1	21.0
	8H	18.3	18.7	19.1	19.4	20.4	18.9	19.2	19.7	20.0	20.9
	12H	18.3	18.6	19.1	19.4	20.3	18.8	19.1	19.6	19.9	20.9
12H	4H	18.5	18.9	19.2	19.6	20.5	19.0	19.4	19.8	20.2	21.1
	6H	18.3	18.7	19.1	19.4	20.4	18.9	19.2	19.7	20.0	20.9
	8H	18.3	18.6	19.1	19.4	20.3	18.8	19.1	19.6	19.9	20.9

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1050</b>
			<b>B = 39</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		23448.9	26567.6	37177.1	33362.1	27226.9	33624.2	44886.8	
50°		7688.3	10348.8	18782.7	13949.6	9213.3	14892.4	25117.1	
55°		1088.0	1384.7	3900.2	2612.9	1407.4	2266.9	4084.5	
60°		1123.7	583.4	579.1	643.0	1293.0	647.3	590.7	
65°		363.1	347.8	308.4	352.9	382.1	358.0	339.2	
70°		292.2	287.8	260.4	304.7	334.6	304.7	296.3	
75°		240.4	243.3	232.1	279.8	313.4	291.0	291.0	
80°		216.6	216.6	225.2	279.1	329.2	316.8	325.5	
85°		249.0	299.6	348.9	440.1	548.6	531.3	431.5	

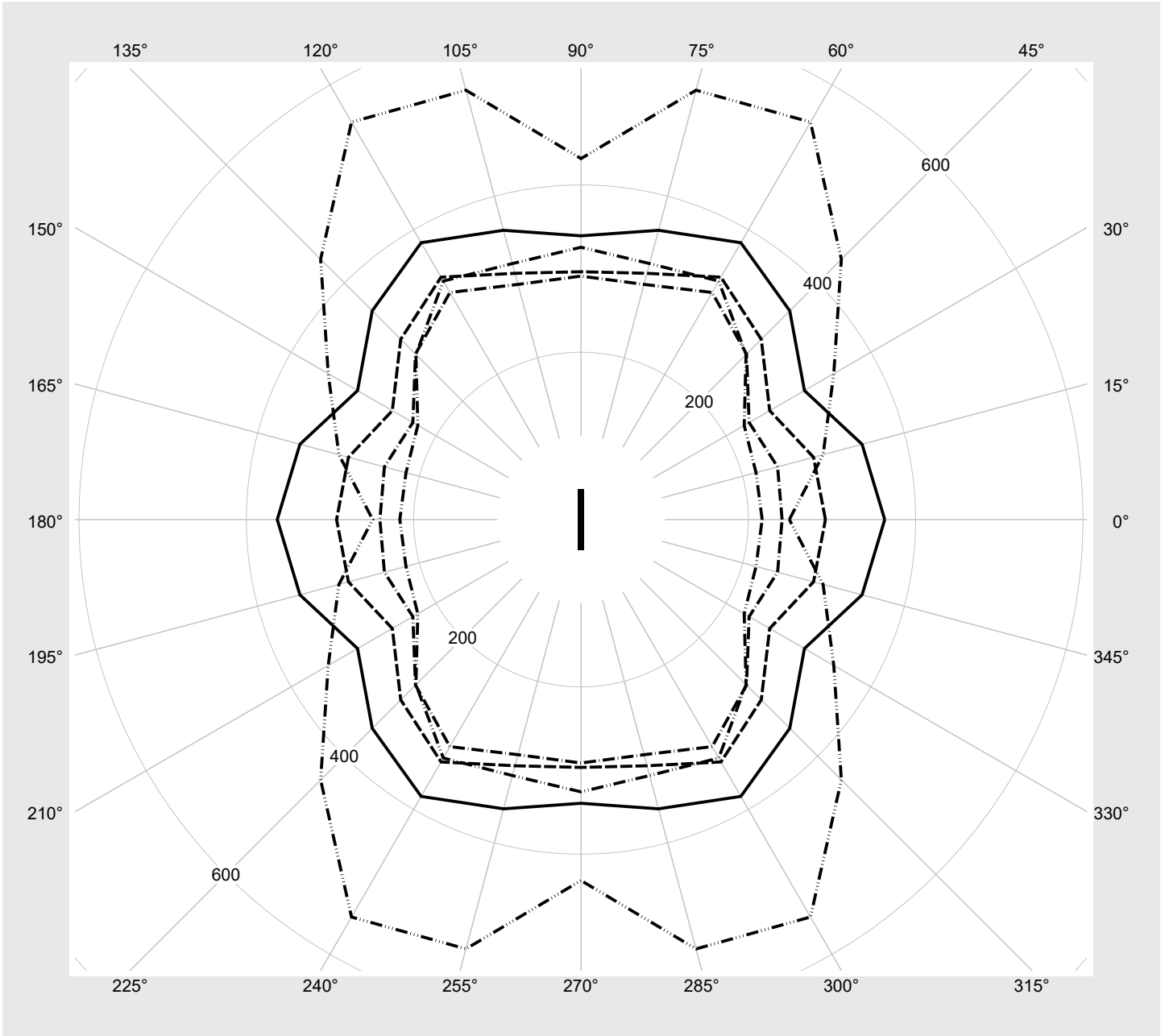
**Photometric test report**

<b>Family</b> <b>ARKTIKA-P LED</b>	<b>Order number: 5MB251DL30840</b> <b>EAN: 4052899488823</b>	<b>LP number</b> <b>57553_15</b>
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°



## Photometric test report

Family <b>ARKTIKA-P LED</b>	Order number: <b>5MB251DL30840</b> EAN: <b>4052899488823</b>	LP number <b>57553_15</b>
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4400	33.7
95	241	252	4179	31.9
90	228	250	3959	30.2
85	215	248	3739	28.5
80	202	246	3519	26.9
75	189	243	3299	25.2
70	177	241	3079	23.6
65	164	238	2859	22.0
60	152	235	2639	20.4
55	139	232	2419	18.8
50	127	228	2200	17.3
45	114	224	1980	15.8
40	102	220	1760	14.2
35	90	215	1540	12.8
30	78	210	1320	11.3
25	66	203	1100	9.8
20	53	195	880	8.3
15	40	184	660	7.1
10	27	169	440	5.6
5	13	144	220	3.9