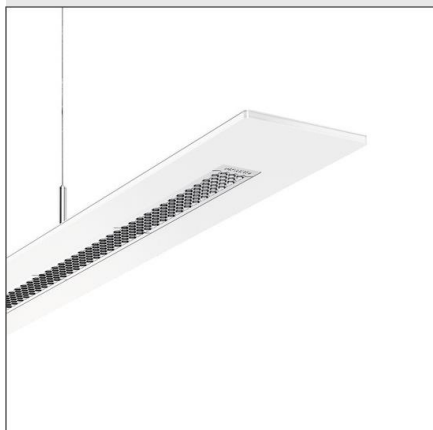


## Lichttechnischer Prüfbefund

Familie  
ARCTIKA-P LED

Bestell-Nr.: 5MB251DL30840  
EAN: 4052899488823

LP-Nummer  
57553\_15



**Ausführung** LED Design Pendelleuchte, direkt-/ indirekt strahlend, UGR≤19 (L65≤1500cd/m<sup>2</sup>)

**Bestückung** 1 x LED 4000K / CRI ≥ 80  
(unbekannt LED 4000K / CRI = 80)

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 4400 lm  
Systemleistung = 33.7 W  
Lichtausbeute = 130.6 lm/W

Seriendokumentation  
09.03.2018

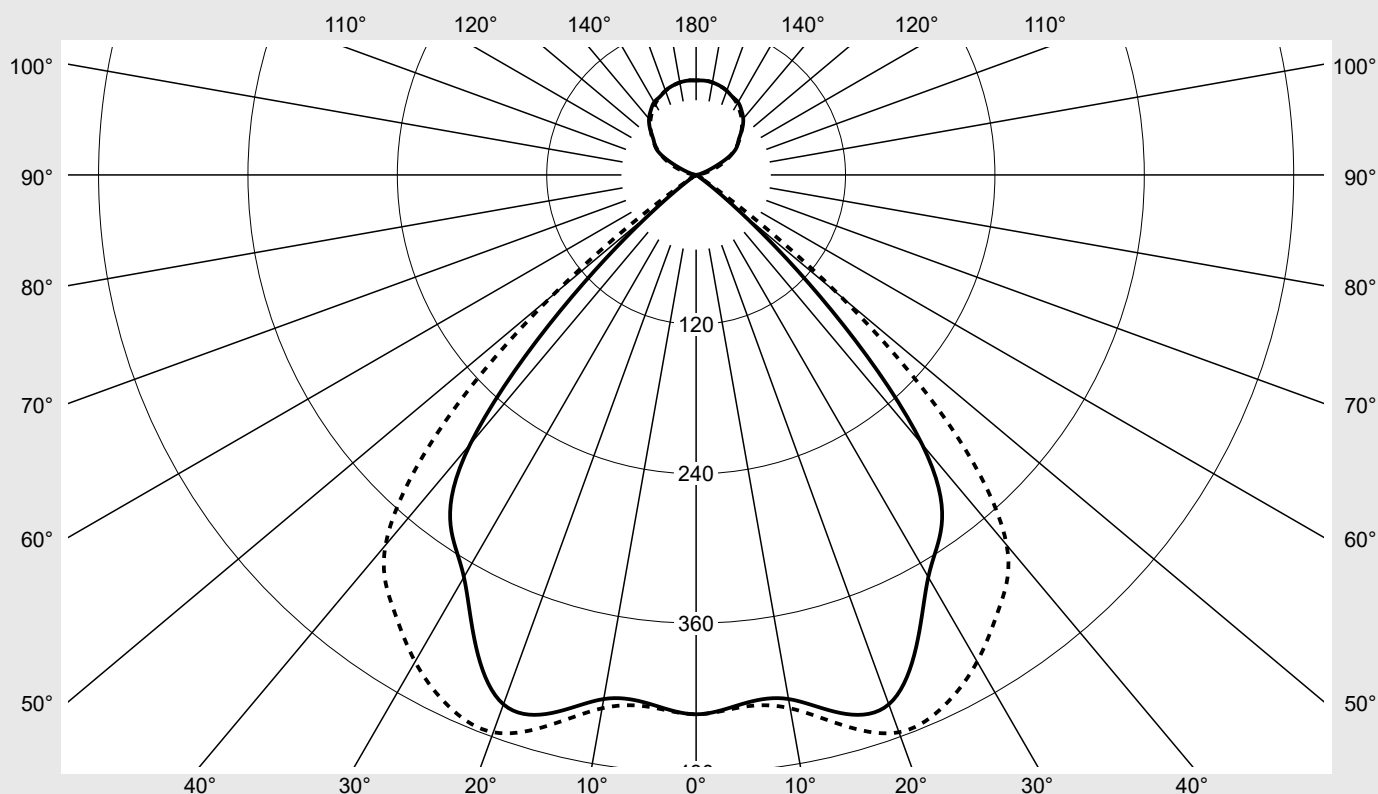
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 476 cd/klm



## Klassifizierungen

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

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  79,5%  
 $\phi_o$  20,5%

## Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>ARKTIKA-P LED</b>	<b>Bestell-Nr.: 5MB251DL30840</b> <b>EAN: 4052899488823</b>	<b>LP-Nummer</b> <b>57553_15</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm										
Lichtstrom 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	

## Lichttechnischer Prüfbefund

<b>Familie</b> ARKTIKA-P LED	<b>Bestell-Nr.: 5MB251DL30840</b> <b>EAN: 4052899488823</b>	<b>LP-Nummer</b> 57553_15
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
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>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1050 B = 39
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C- Ebenen	$\gamma$	Leuchtdichte 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

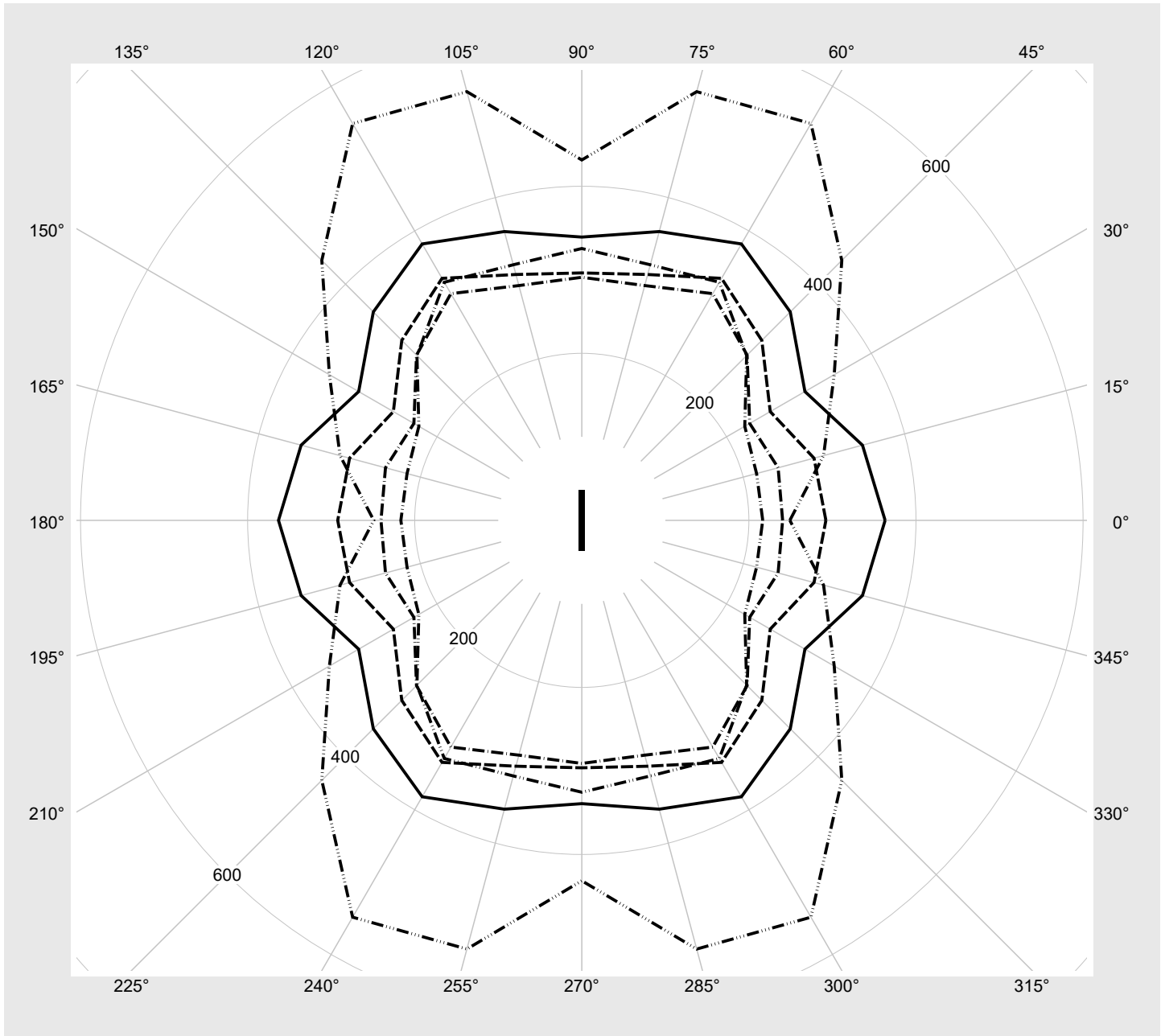
**Lichttechnischer Prüfbefund**

<b>Familie</b> ARCTIKA-P LED	<b>Bestell-Nr.:</b> 5MB251DL30840 <b>EAN:</b> 4052899488823	<b>LP-Nummer</b> 57553_15
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**Leuchtdichten in cd/m<sup>2</sup>**

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



## Lichttechnischer Prüfbefund

<b>Familie</b> <b>ARCTIKA-P LED</b>	<b>Bestell-Nr.: 5MB251DL30840</b> <b>EAN: 4052899488823</b>	<b>LP-Nummer</b> <b>57553_15</b>
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [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