

## Lichttechnischer Prüfbefund

**Familie**  
**ARKTIKA-P DUO**



**Bestell-Nr.: 5MB252DL60830**  
**EAN: 4052899488830**

**LP-Nummer**  
**57553\_17**

**Ausführung** LED Design Pendelleuchte, direkt-/ indirekt strahlend, BAP65 ( $L \leq 1500 \text{ cd/m}^2$ ),  $\text{UGR} \leq 19$

**Bestückung** 1 x LED 3000K /  $\text{CRI} \geq 80$   
(unbekannt LED 3000K /  $\text{CRI} = 80$ )

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 8100 lm  
Systemleistung = 66.5 W  
Lichtausbeute = 121.8 lm/W

**Seriendokumentation**  
**09.03.2018**

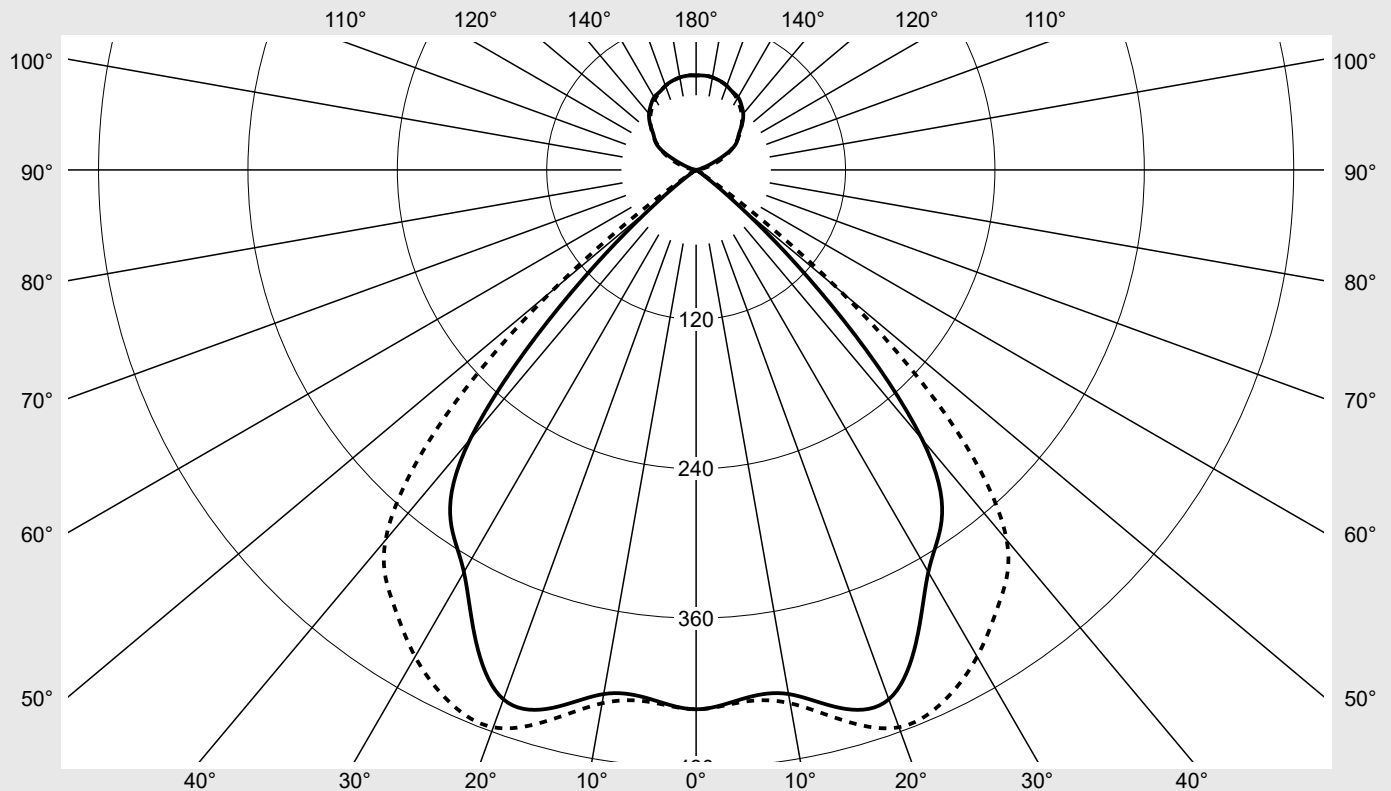
**sITeco**

**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

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<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 Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
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

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
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

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 2100 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°		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

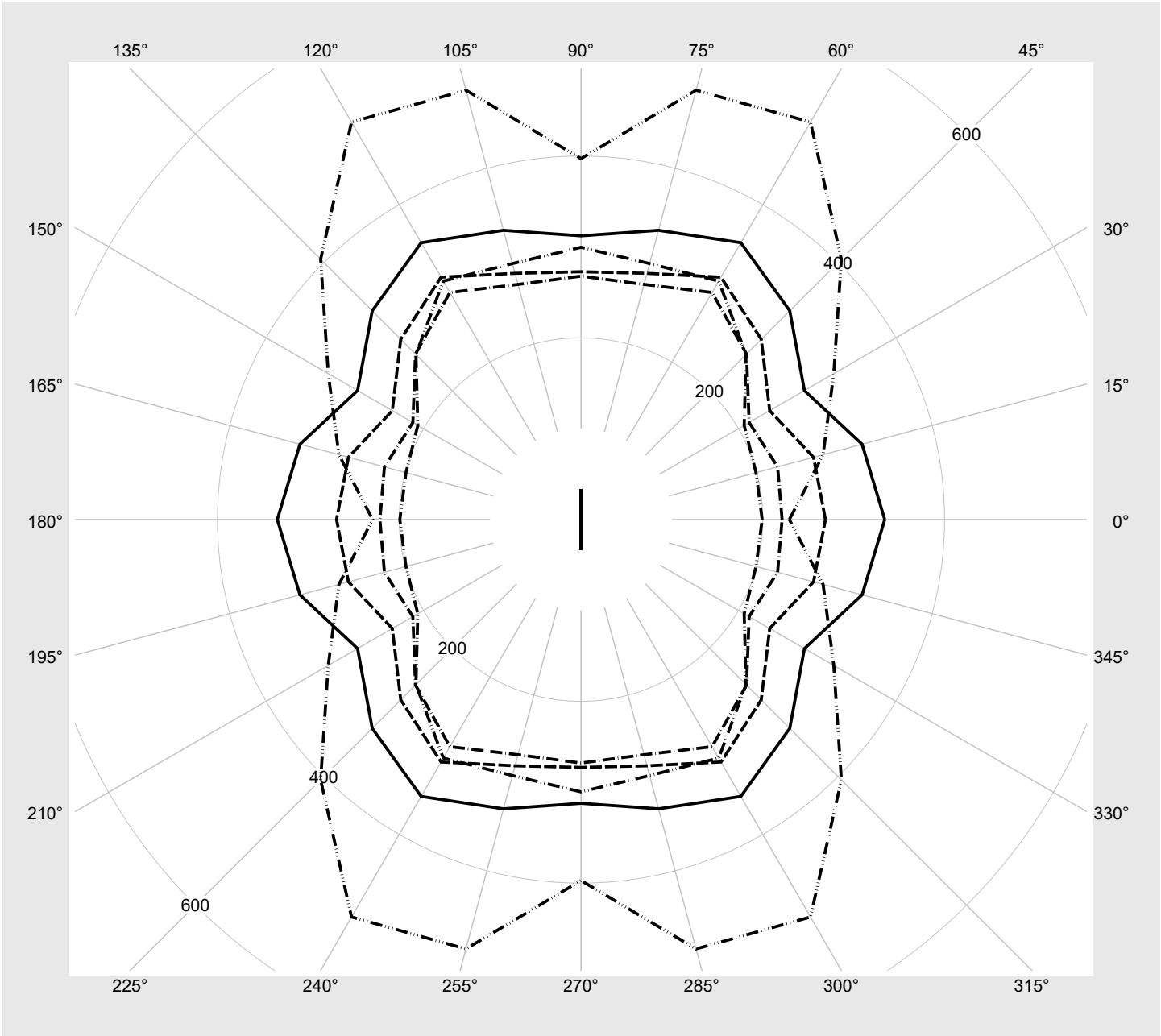
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**Leuchtdichten in cd/m<sup>2</sup>**

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



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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	8100	66.5
95	241	252	7692	63.1
90	228	250	7287	59.7
85	215	248	6882	56.4
80	202	246	6478	53.1
75	189	243	6073	49.7
70	177	241	5668	46.6
65	164	238	5263	43.4
60	152	235	4858	40.3
55	139	232	4453	37.1
50	127	228	4049	34.1
45	114	224	3644	31.2
40	102	220	3239	28.1
35	90	215	2834	25.2
30	78	210	2429	22.4
25	66	203	2024	19.4
20	53	195	1619	16.5
15	40	184	1215	14.0
10	27	169	810	11.0
5	13	144	405	7.7