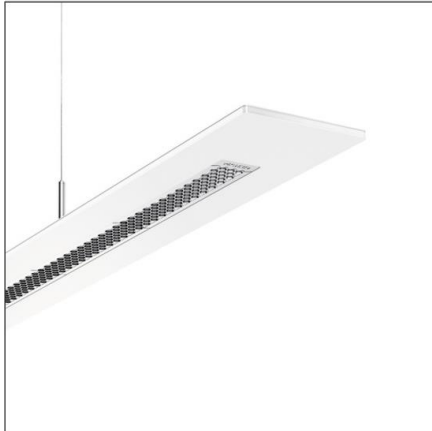


Lichttechnischer Prüfbefund

Familie
ARKTIKA-P LED

Bestell-Nr.: 5MB2512L30840
EAN: 4052899488809

LP-Nummer
57553_12



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

Bestückung LED 4000K / CRI ≥ 80

Betriebsgerät EVG

Bemessungswerte Nettolichtstrom = 4000 lm
Systemleistung = 30.7 W
Lichtausbeute = 130.3 lm/W

Seriendokumentation
09.03.2018

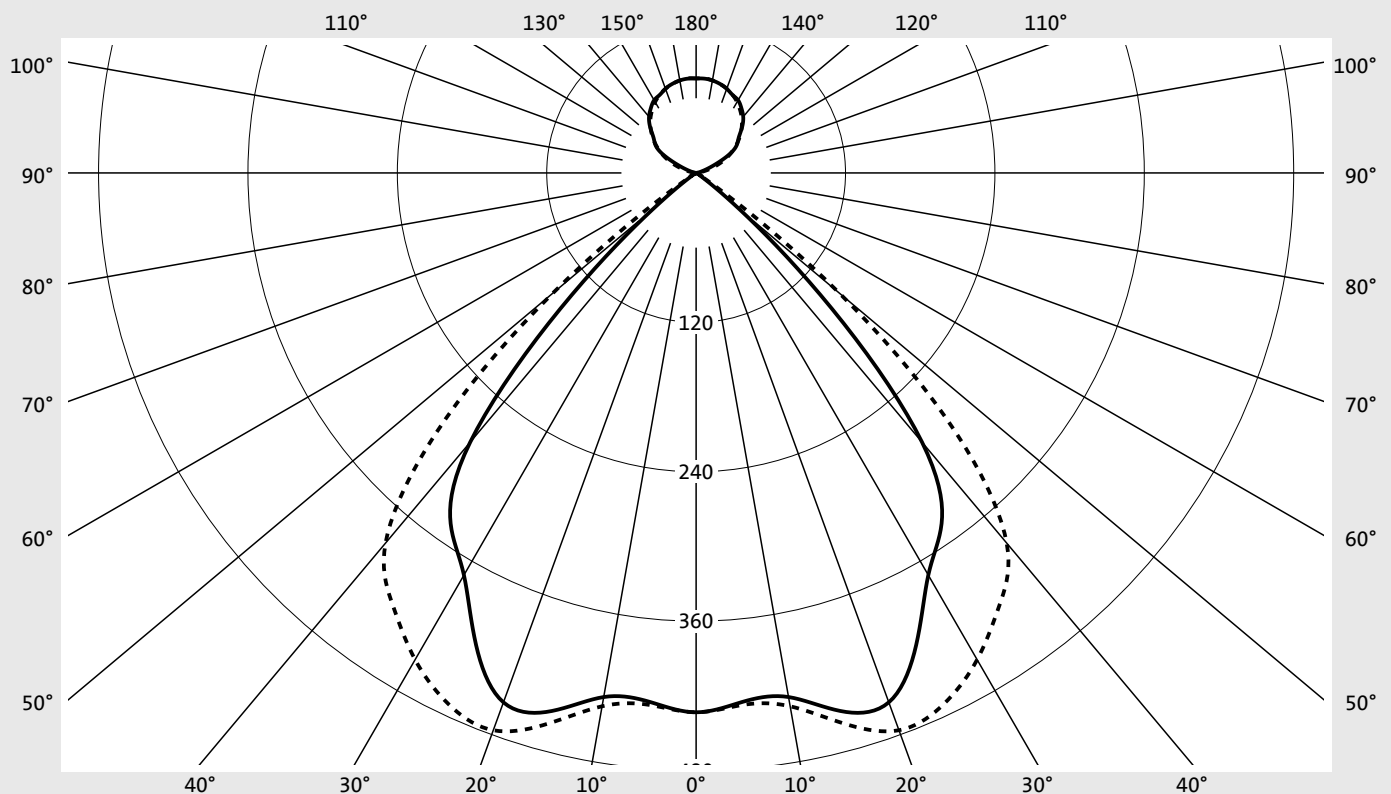
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Lichtstärke in cd/klm

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

η_{LB} 100,0%
 ϕ_u 79,5%
 ϕ_o 20,5%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie ARKTIKA-P LED	Bestell-Nr.: 5MB2512L30840 EAN: 4052899488809	LP-Nummer 57553_12
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°			
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

Familie ARKTIKA-P LED	Bestell-Nr.: 5MB2512L30840 EAN: 4052899488809	LP-Nummer 57553_12
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	18,9	20,0	19,6	20,6	21,4	19,5	20,5	20,1	21,2	21,9
	3H	18,7	19,6	19,4	20,3	21,1	19,3	20,2	19,9	20,8	21,6
	4H	18,6	19,5	19,3	20,2	21,0	19,2	20,0	19,9	20,7	21,5
	6H	18,5	19,3	19,3	20,0	20,8	19,1	19,9	19,8	20,6	21,4
	8H	18,5	19,2	19,2	19,9	20,7	19,0	19,7	19,8	20,4	21,3
	12H	18,4	19,1	19,2	19,8	20,7	19,0	19,6	19,7	20,3	21,2
4H	2H	18,6	19,5	19,3	20,2	21,0	19,2	20,0	19,9	20,7	21,5
	3H	18,4	19,1	19,2	19,9	20,7	19,0	19,7	19,7	20,4	21,2
	4H	18,3	19,0	19,1	19,7	20,5	18,9	19,5	19,6	20,2	21,1
	6H	18,2	18,8	19,0	19,5	20,4	18,8	19,3	19,5	20,1	20,9
	8H	18,1	18,6	18,9	19,4	20,3	18,7	19,2	19,5	19,9	20,8
	12H	18,1	18,5	18,9	19,3	20,2	18,7	19,1	19,5	19,8	20,8
8H	4H	18,2	18,6	18,9	19,4	20,3	18,7	19,2	19,5	19,9	20,8
	6H	18,0	18,4	18,8	19,2	20,1	18,6	19,0	19,3	19,7	20,7
	8H	18,0	18,3	18,8	19,1	20,0	18,5	18,9	19,3	19,7	20,6
	12H	17,9	18,2	18,7	19,0	20,0	18,5	18,8	19,3	19,6	20,5
12H	4H	18,1	18,5	18,9	19,3	20,2	18,7	19,1	19,4	19,9	20,8
	6H	18,0	18,3	18,8	19,1	20,1	18,6	18,9	19,4	19,7	20,6
	8H	17,9	18,2	18,7	19,0	20,0	18,5	18,8	19,3	19,6	20,5

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1050
			B = 39

C- Ebenen	γ	Leuchtdichte 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°		21317.2	24152.4	33797.3	30329.2	24751.7	30567.5	40806.2
50°		6989.4	9408.0	17075.2	12681.5	8375.8	13538.6	22833.7
55°		989.1	1258.9	3545.6	2375.3	1279.5	2060.8	3713.2
60°		1021.5	530.4	526.5	584.5	1175.5	588.4	537.0
65°		330.1	316.2	280.4	320.8	347.4	325.4	308.3
70°		265.6	261.6	236.8	277.0	304.2	277.0	269.3
75°		218.5	221.2	211.0	254.4	284.9	264.6	264.6
80°		196.9	196.9	204.8	253.7	299.3	288.0	295.9
85°		226.4	272.3	317.2	400.1	498.7	483.0	392.3

Lichttechnischer Prüfbefund

Familie ARCTIKA-P LED	Bestell-Nr.: 5MB2512L30840 EAN: 4052899488809	LP-Nummer 57553_12
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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