

Lichttechnischer Prüfbefund

Familie
Sport 31

Bestell-Nr.: 51HS12DD4JCA
EAN: 4058352501825

LP-Nummer
59187_5



Ausführung CDP Mikroprismenoptik, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 19720 lm
 Systemleistung = 146.2 W
 Lichtausbeute = 134.9 lm/W

Seriendokumentation
27.07.2021

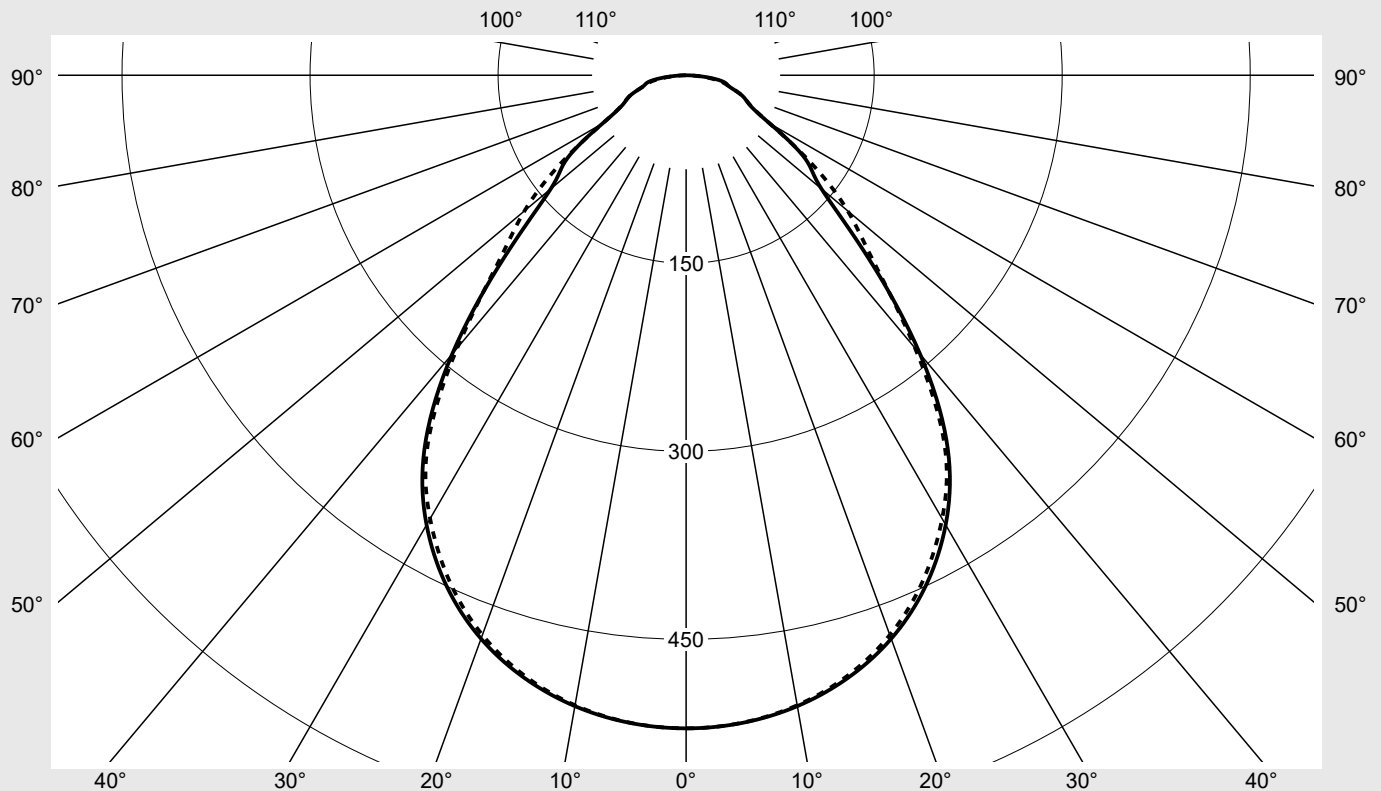
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 521 cd/klm



Klassifizierungen

DIN 5040 A 5 0
 CIE N1=65 N2=89 N3=97
 N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

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°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	3.1	3.1
5°	518.5	518.4	518.3	518.4	518.2	518.1	518.3	24.8	27.9
10°	511.0	510.9	510.6	510.5	510.1	510.0	510.3	48.6	76.5
15°	497.9	497.5	497.3	497.0	496.5	496.2	496.2	70.5	147.0
20°	478.3	478.1	477.4	476.3	475.5	474.9	475.1	89.3	236.3
25°	450.9	450.8	450.2	448.2	446.4	445.5	446.0	103.8	340.1
30°	414.1	414.8	414.4	411.1	407.7	407.5	408.5	112.7	452.8
35°	363.9	366.3	367.3	360.9	355.6	356.6	359.3	113.6	566.4
40°	290.4	294.7	297.0	285.4	277.5	279.3	284.1	101.1	667.5
45°	204.6	218.3	229.0	208.7	190.3	198.4	212.8	81.0	748.5
50°	140.9	171.9	185.1	159.3	127.2	151.6	168.3	66.5	814.9
55°	115.9	135.6	132.9	125.3	102.7	120.0	121.1	55.0	869.9
60°	77.1	78.0	77.1	78.0	77.1	78.0	77.0	36.8	906.8
65°	55.9	56.5	55.9	56.4	55.9	56.2	56.5	27.9	934.7
70°	47.6	46.5	47.6	46.8	47.6	46.8	47.6	24.3	959.0
75°	36.1	35.1	36.1	35.1	36.1	35.1	36.1	18.8	977.8
80°	30.3	26.7	28.2	25.7	27.9	26.3	27.7	14.7	992.5
85°	15.0	15.5	14.5	13.2	12.4	12.6	12.4	7.5	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,0	20,5	19,4	20,8	21,2	18,6	20,1	18,9	20,4	20,7
	3H	19,8	21,1	20,1	21,4	21,8	19,4	20,8	19,8	21,1	21,5
	4H	20,2	21,5	20,6	21,8	22,2	19,9	21,2	20,3	21,5	21,9
	6H	20,7	21,9	21,1	22,3	22,7	20,4	21,6	20,9	22,0	22,4
	8H	21,1	22,1	21,5	22,5	22,9	20,7	21,8	21,2	22,2	22,6
	12H	21,3	22,3	21,7	22,7	23,1	20,9	21,9	21,3	22,3	22,7
4H	2H	19,3	20,6	19,7	20,9	21,3	19,0	20,2	19,4	20,6	20,9
	3H	20,3	21,3	20,7	21,7	22,1	20,0	21,1	20,5	21,5	21,9
	4H	20,9	21,8	21,3	22,2	22,7	20,7	21,6	21,1	22,0	22,5
	6H	21,6	22,4	22,0	22,8	23,3	21,4	22,2	21,8	22,6	23,1
	8H	21,9	22,7	22,4	23,1	23,6	21,7	22,4	22,2	22,9	23,4
	12H	22,3	22,9	22,7	23,4	23,9	21,9	22,6	22,4	23,0	23,5
8H	4H	21,1	21,9	21,6	22,3	22,8	21,0	21,7	21,4	22,2	22,6
	6H	22,0	22,7	22,5	23,1	23,6	21,9	22,5	22,4	22,9	23,5
	8H	22,5	23,1	23,0	23,5	24,1	22,3	22,8	22,8	23,3	23,8
	12H	22,9	23,4	23,4	23,9	24,4	22,6	23,1	23,1	23,6	24,1
12H	4H	21,2	21,9	21,7	22,3	22,8	21,0	21,7	21,5	22,1	22,6
	6H	22,2	22,7	22,7	23,2	23,7	22,0	22,5	22,5	23,0	23,5
	8H	22,7	23,1	23,2	23,6	24,2	22,4	22,9	23,0	23,4	23,9

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1470 B = 345
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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°		11251.5	12002.3	12592.3	11475.1	10466.0	10910.5	11701.5	
50°		8524.5	10398.2	11199.9	9638.8	7694.9	9168.0	10178.2	
55°		7859.3	9193.8	9012.5	8497.1	6963.6	8132.3	8210.4	
60°		5994.7	6068.0	5997.9	6068.0	5999.4	6068.0	5988.5	
65°		5144.9	5194.6	5144.9	5186.4	5144.9	5167.9	5195.6	
70°		5413.1	5291.3	5413.1	5316.3	5413.1	5318.6	5413.1	
75°		5425.5	5271.9	5425.5	5271.9	5425.5	5271.9	5425.5	
80°		6792.3	5978.1	6314.4	5744.8	6242.8	5888.3	6209.2	
85°		6677.0	6922.8	6480.2	5894.9	5528.6	5631.2	5546.5	

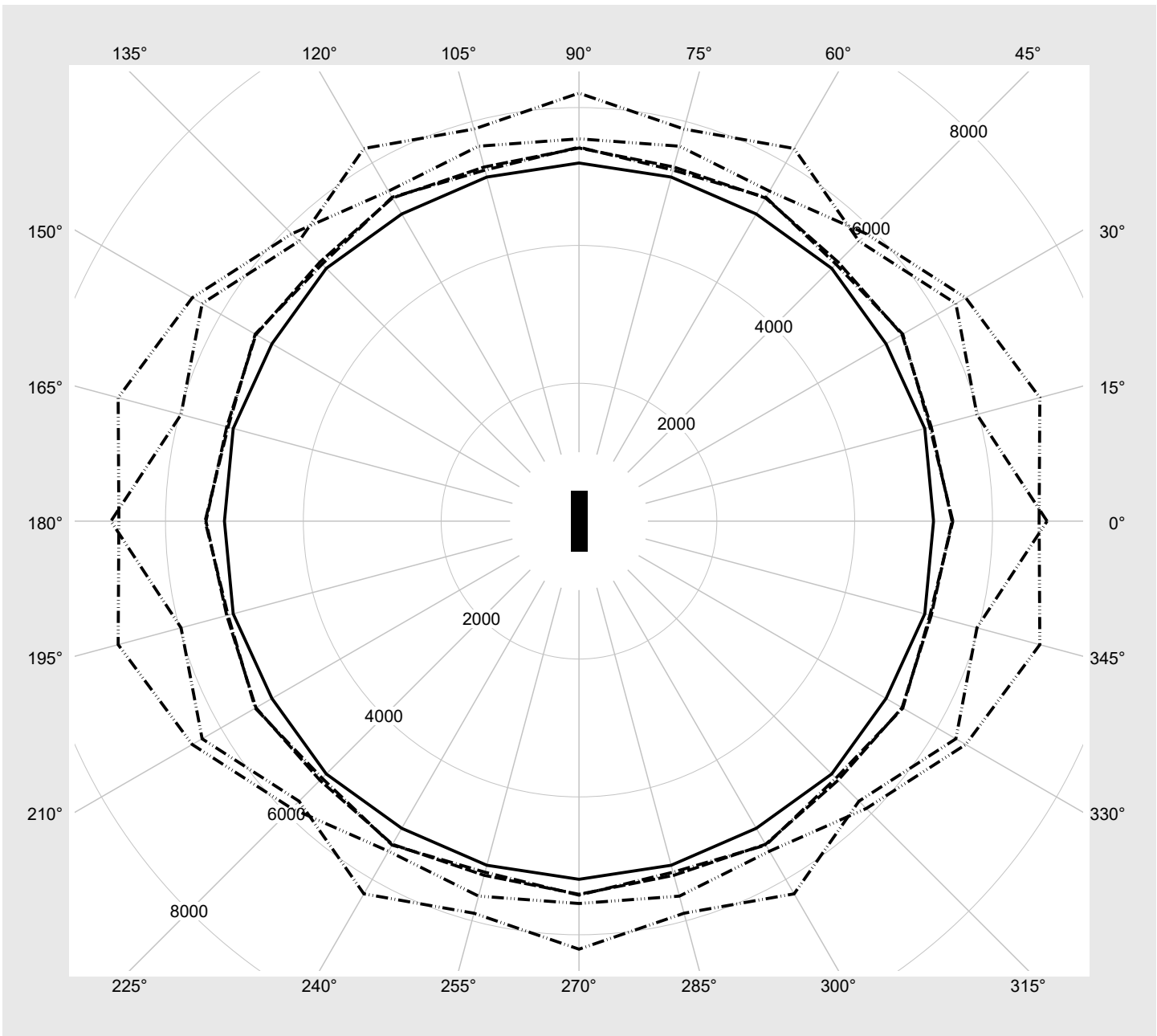
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	19720	146.2
95	238	252	18715	138.0
90	223	249	17739	129.9
85	211	247	16765	122.2
80	198	245	15780	114.5
75	184	242	14808	107.0
70	170	239	13827	99.4
65	158	237	12854	92.0
60	145	233	11862	84.6
55	130	229	10836	77.0
50	118	226	9876	70.1
45	107	222	8903	63.2
40	95	218	7892	56.1
35	82	213	6877	49.1
30	70	207	5906	42.5
25	59	201	4970	36.2
20	47	192	3960	29.4
15	35	181	2982	23.0
10	23	166	1994	16.1
6	13	145	1127	9.2