

Lichttechnischer Prüfbefund

Familie
Sport 31



Bestell-Nr.: 51HS12DD4GCA
EAN: 4058352501818

LP-Nummer
59187_4

Ausführung CDP Mikroprismenoptik, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 15290 lm
 Systemleistung = 113.0 W
 Lichtausbeute = 135.3 lm/W

Seriendokumentation
30.07.2021

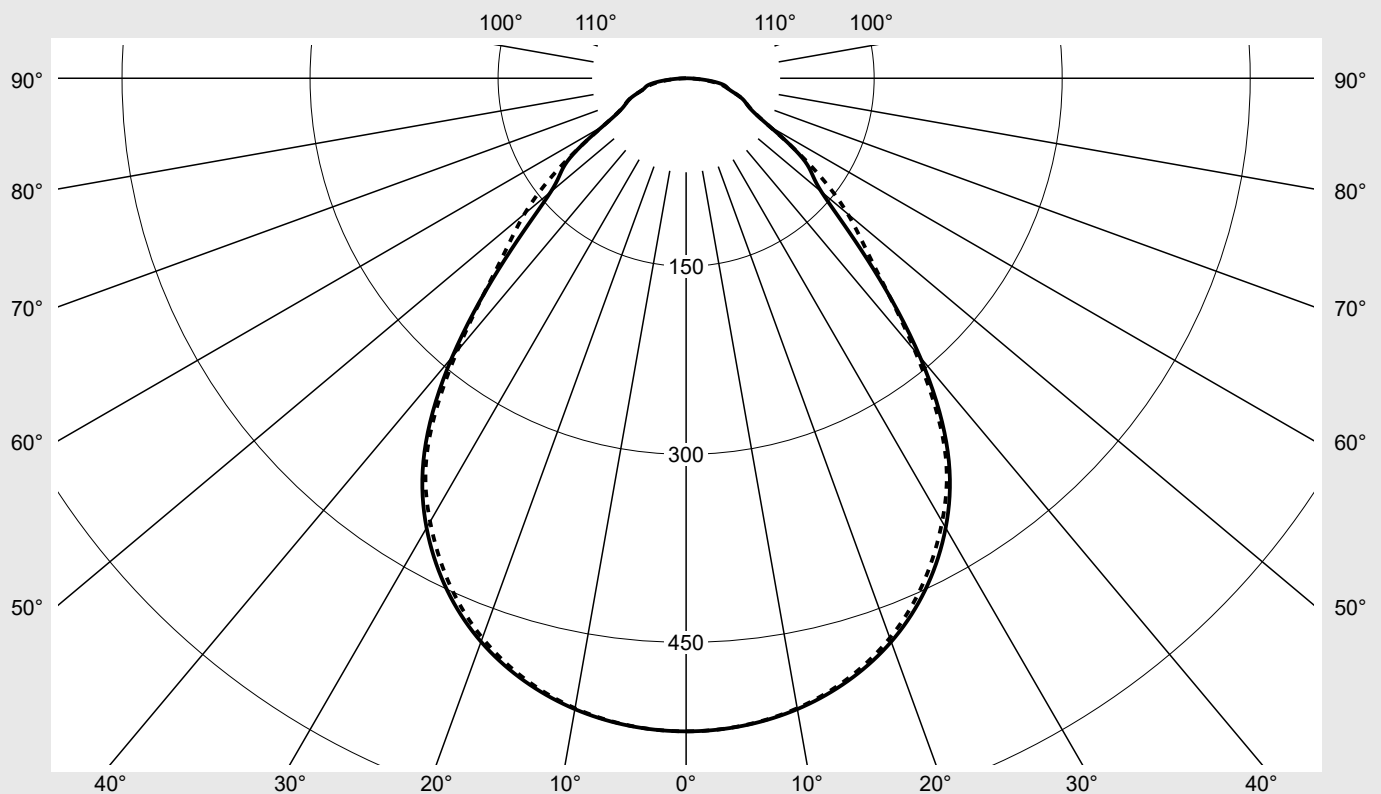
sITeco

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

Lichttechnischer Prüfbefund

Familie Sport 31	Bestell-Nr.: 51HS12DD4GCA EAN: 4058352501818	LP-Nummer 59187_4
-----------------------------------	---	------------------------------------

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°			
Lichtstärke in cd/klm									
γ								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

Lichttechnischer Prüfbefund

Familie Sport 31	Bestell-Nr.: 51HS12DD4GCA EAN: 4058352501818	LP-Nummer 59187_4
-----------------------------------	---	------------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	18,1	19,7	18,5	20,0	20,3	17,7	19,2	18,1	19,5	19,8
	3H	18,9	20,2	19,3	20,6	20,9	18,5	19,9	18,9	20,2	20,6
	4H	19,3	20,6	19,7	20,9	21,3	19,0	20,3	19,4	20,6	21,0
	6H	19,9	21,0	20,3	21,4	21,8	19,6	20,7	20,0	21,1	21,5
	8H	20,2	21,2	20,6	21,6	22,0	19,9	20,9	20,3	21,3	21,7
	12H	20,4	21,4	20,8	21,8	22,2	20,0	21,0	20,4	21,4	21,8
4H	2H	18,4	19,7	18,8	20,0	20,4	18,1	19,3	18,5	19,7	20,1
	3H	19,4	20,5	19,8	20,8	21,3	19,2	20,2	19,6	20,6	21,0
	4H	20,0	20,9	20,4	21,3	21,8	19,8	20,7	20,2	21,1	21,6
	6H	20,7	21,5	21,1	21,9	22,4	20,5	21,3	20,9	21,7	22,2
	8H	21,1	21,8	21,5	22,2	22,7	20,8	21,6	21,3	22,0	22,5
	12H	21,4	22,0	21,9	22,5	23,0	21,1	21,7	21,5	22,2	22,7
8H	4H	20,3	21,0	20,7	21,4	21,9	20,1	20,8	20,5	21,3	21,7
	6H	21,2	21,8	21,6	22,2	22,7	21,0	21,6	21,5	22,1	22,6
	8H	21,6	22,2	22,1	22,7	23,2	21,4	21,9	21,9	22,4	22,9
	12H	22,0	22,5	22,6	23,0	23,5	21,7	22,2	22,2	22,7	23,2
12H	4H	20,3	21,0	20,8	21,4	21,9	20,2	20,8	20,6	21,3	21,8
	6H	21,3	21,8	21,8	22,3	22,8	21,1	21,6	21,6	22,1	22,6
	8H	21,8	22,2	22,3	22,7	23,3	21,6	22,0	22,1	22,5	23,0

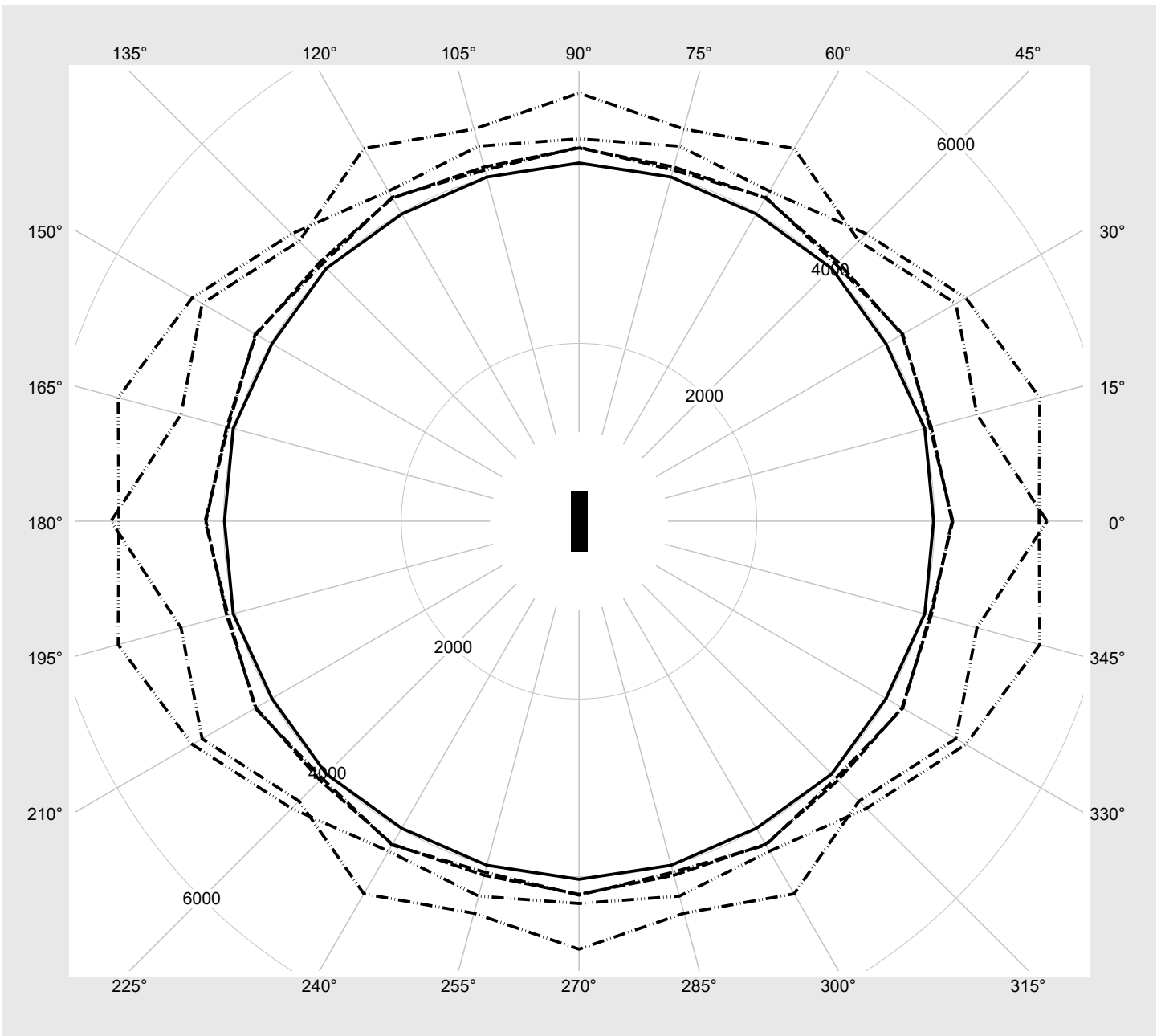
Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1470 B = 345
------------------------------	---------------------------------	------------------------------------	---------------------

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°		8723.9	9306.0	9763.5	8897.3	8114.8	8459.5	9072.8	
50°		6609.5	8062.3	8683.9	7473.5	5966.2	7108.5	7891.7	
55°		6093.8	7128.5	6987.9	6588.2	5399.3	6305.5	6366.0	
60°		4648.1	4704.9	4650.5	4704.9	4651.7	4704.9	4643.2	
65°		3989.1	4027.7	3989.1	4021.3	3989.1	4006.9	4028.4	
70°		4197.1	4102.6	4197.1	4122.0	4197.1	4123.8	4197.1	
75°		4206.7	4087.6	4206.7	4087.6	4206.7	4087.6	4206.7	
80°		5266.4	4635.1	4895.9	4454.2	4840.4	4565.5	4814.3	
85°		5177.0	5367.6	5024.5	4570.6	4286.6	4366.2	4300.5	

Lichttechnischer Prüfbefund

Familie Sport 31	Bestell-Nr.: 51HS12DD4GCA EAN: 4058352501818	LP-Nummer 59187_4
----------------------------	---	-----------------------------

Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie Sport 31	Bestell-Nr.: 51HS12DD4GCA EAN: 4058352501818	LP-Nummer 59187_4
-----------------------------------	---	------------------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	15290	113.0
95	238	252	14545	106.6
90	225	250	13750	100.2
85	213	248	13007	94.4
80	197	245	12212	88.1
75	182	242	11466	82.1
70	169	239	10732	76.6
65	156	236	9951	70.9
60	144	233	9186	65.4
55	132	230	8416	59.8
50	120	227	7663	54.3
45	108	223	6910	48.9
40	95	218	6118	43.6
35	82	213	5334	38.4
30	70	207	4609	33.3
25	57	199	3822	27.7
20	44	190	3031	22.4
15	32	178	2297	17.6
10	20	161	1522	12.2
6	12	142	913	7.4