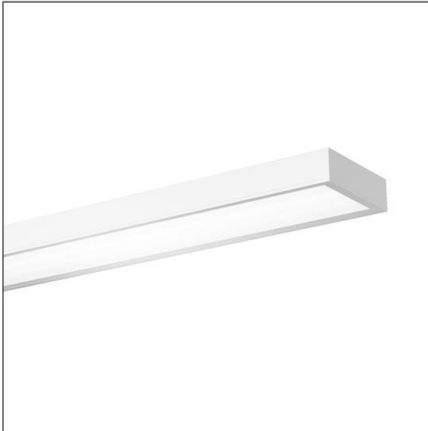


## Lichttechnischer Prüfbefund

**Familie**  
**Sport 31**

**Bestell-Nr.: 51HS12DC3DCA**  
**EAN: 4058352501788**

**LP-Nummer**  
**59187\_1**



**Ausführung** CDP Mikroprismenoptik, breit strahlend  
**Bestückung** LED 3000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 7500 lm  
 Systemleistung = 55.4 W  
 Lichtausbeute = 135.4 lm/W

**Seriendokumentation**  
27.07.2021

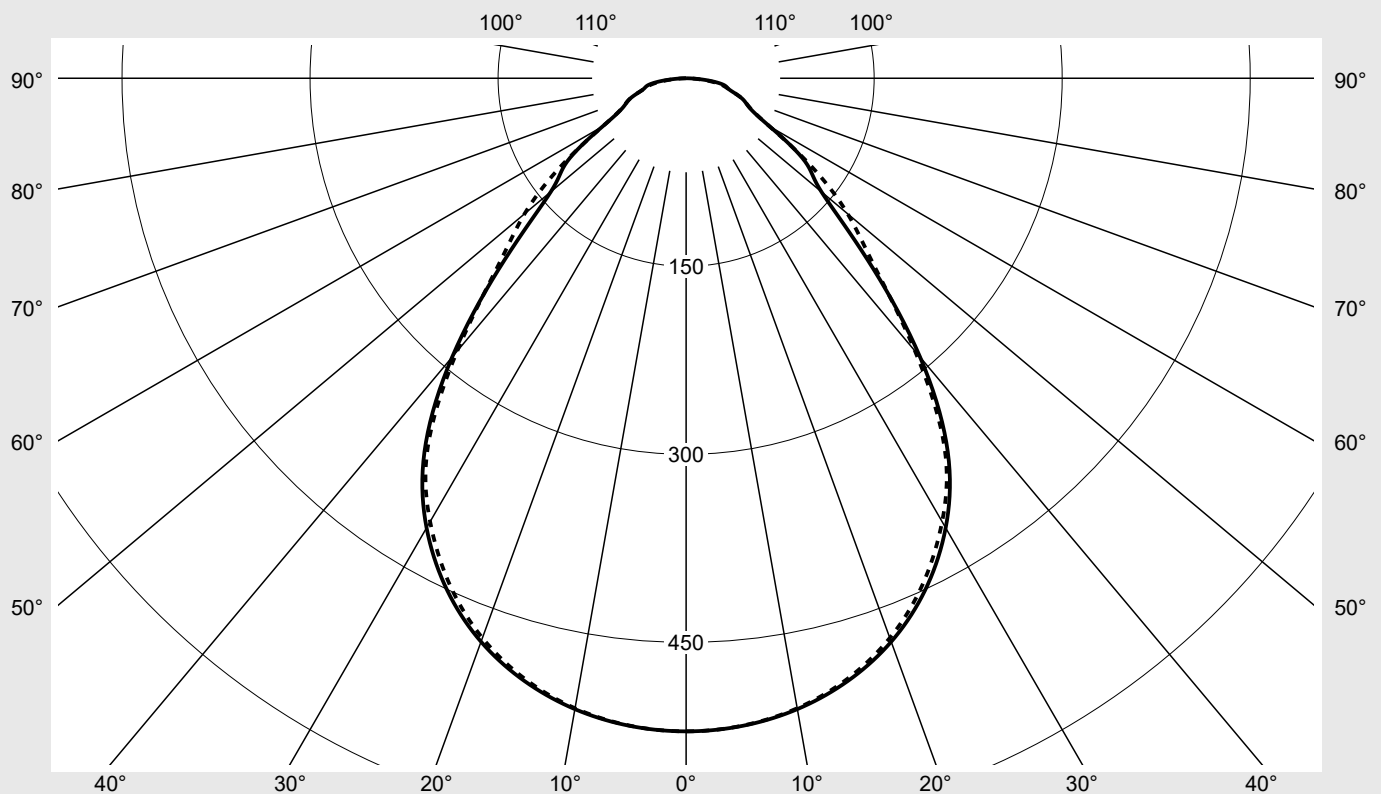
**siteco**

**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**

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

**Messbedingungen**

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Sport 31</b>	<b>Bestell-Nr.: 51HS12DC3DCA</b> <b>EAN: 4058352501788</b>	<b>LP-Nummer</b> <b>59187_1</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 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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Sport 31</b>	<b>Bestell-Nr.: 51HS12DC3DCA</b> <b>EAN: 4058352501788</b>	<b>LP-Nummer</b> <b>59187_1</b>
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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>siteco</b>
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Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
Raumabmessungen	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)					
x	y										
2H	2H	16,9	18,4	17,2	18,7	19,0	16,4	17,9	16,8	18,2	18,6
	3H	17,6	18,9	18,0	19,3	19,6	17,3	18,6	17,6	18,9	19,3
	4H	18,0	19,3	18,4	19,6	20,0	17,7	19,0	18,1	19,4	19,7
	6H	18,6	19,7	19,0	20,1	20,5	18,3	19,4	18,7	19,8	20,2
	8H	18,9	20,0	19,3	20,3	20,7	18,6	19,6	19,0	20,0	20,4
	12H	19,1	20,1	19,5	20,5	20,9	18,7	19,7	19,2	20,1	20,5
4H	2H	17,1	18,4	17,5	18,7	19,1	16,8	18,0	17,2	18,4	18,8
	3H	18,1	19,2	18,5	19,6	20,0	17,9	18,9	18,3	19,3	19,7
	4H	18,7	19,6	19,1	20,1	20,5	18,5	19,5	18,9	19,9	20,3
	6H	19,4	20,2	19,9	20,7	21,1	19,2	20,0	19,7	20,5	20,9
	8H	19,8	20,5	20,2	21,0	21,4	19,5	20,3	20,0	20,7	21,2
	12H	20,1	20,7	20,6	21,2	21,7	19,8	20,4	20,3	20,9	21,4
8H	4H	19,0	19,7	19,4	20,2	20,6	18,8	19,5	19,3	20,0	20,5
	6H	19,9	20,5	20,4	21,0	21,5	19,7	20,3	20,2	20,8	21,3
	8H	20,3	20,9	20,8	21,4	21,9	20,1	20,7	20,6	21,1	21,7
	12H	20,8	21,2	21,3	21,7	22,3	20,4	20,9	20,9	21,4	21,9
12H	4H	19,0	19,7	19,5	20,1	20,6	18,9	19,5	19,4	20,0	20,5
	6H	20,0	20,5	20,5	21,0	21,5	19,8	20,3	20,3	20,8	21,3
	8H	20,5	20,9	21,0	21,4	22,0	20,3	20,7	20,8	21,2	21,8

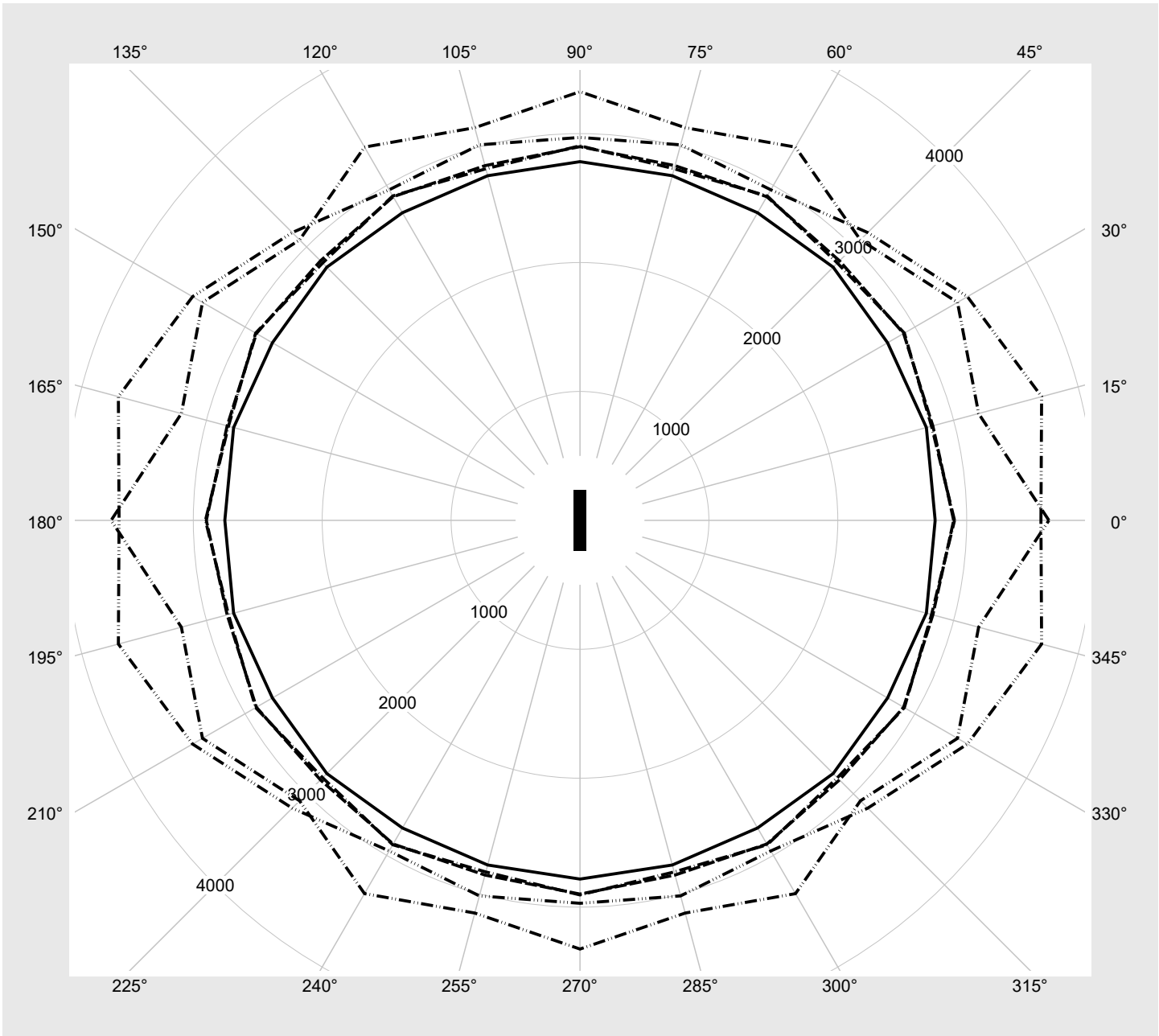
<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 1470</b> <b>B = 245</b>
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C- Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		6025.8	6427.9	6743.9	6145.6	5605.1	5843.2	6266.9
50°		4565.3	5568.8	5998.2	5162.2	4121.0	4910.0	5451.0
55°		4209.1	4923.8	4826.7	4550.7	3729.4	4355.3	4397.2
60°		3210.5	3249.8	3212.2	3249.8	3213.0	3249.8	3207.2
65°		2755.4	2782.0	2755.4	2777.6	2755.4	2767.7	2782.5
70°		2899.0	2833.8	2899.0	2847.2	2899.0	2848.4	2899.0
75°		2905.7	2823.4	2905.7	2823.4	2905.7	2823.4	2905.7
80°		3637.7	3201.6	3381.7	3076.7	3343.4	3153.5	3325.4
85°		3575.9	3707.6	3470.5	3157.1	2960.9	3015.9	2970.5

**Lichttechnischer Prüfbefund**

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Sport 31</b>	<b>Bestell-Nr.: 51HS12DC3DCA</b> <b>EAN: 4058352501788</b>	<b>LP-Nummer</b> <b>59187_1</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	7500	55.4
95	243	252	7112	52.5
90	233	251	6756	49.9
85	218	248	6378	49.2
80	199	245	5996	50.5
75	182	242	5624	49.7
70	170	239	5241	41.5
65	159	237	4867	35.7
60	149	234	4489	33.3
55	138	232	4115	30.8
50	123	227	3751	27.8
45	108	223	3378	25.0
40	99	219	3015	22.8
35	89	216	2611	20.3
30	76	210	2259	17.9
25	60	201	1867	15.2
20	46	191	1497	12.7
15	33	179	1135	10.3
10	20	161	757	7.6
6	11	139	416	4.2