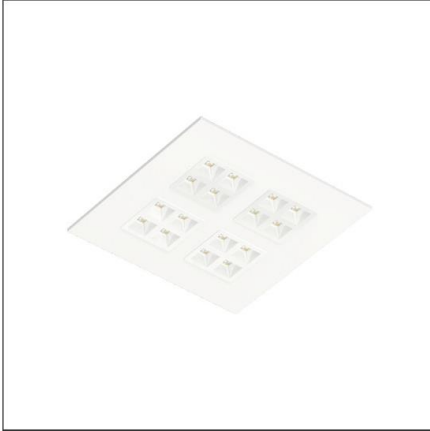


## Lichttechnischer Prüfbefund

Familie  
Silica® 31

Bestell-Nr.: 51MY6NDU34WA  
EAN: 4069025073471

LP-Nummer  
59651\_4



**Ausführung** Einbauleuchte für Einlegemontage, weiß, quadratisch M625, Reflektor, weiß, breit strahlend, UGR≤19 (L65≤3000cd/m<sup>2</sup>)

**Bestückung** LED 3000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** Werkseinstellung: DIP-Stufe=10

**Bemessungswerte** Nettolichtstrom = 4540 lm  
Systemleistung = 28.0 W  
Lichtausbeute = 162.1 lm/W

Seriendokumentation  
28.06.2024

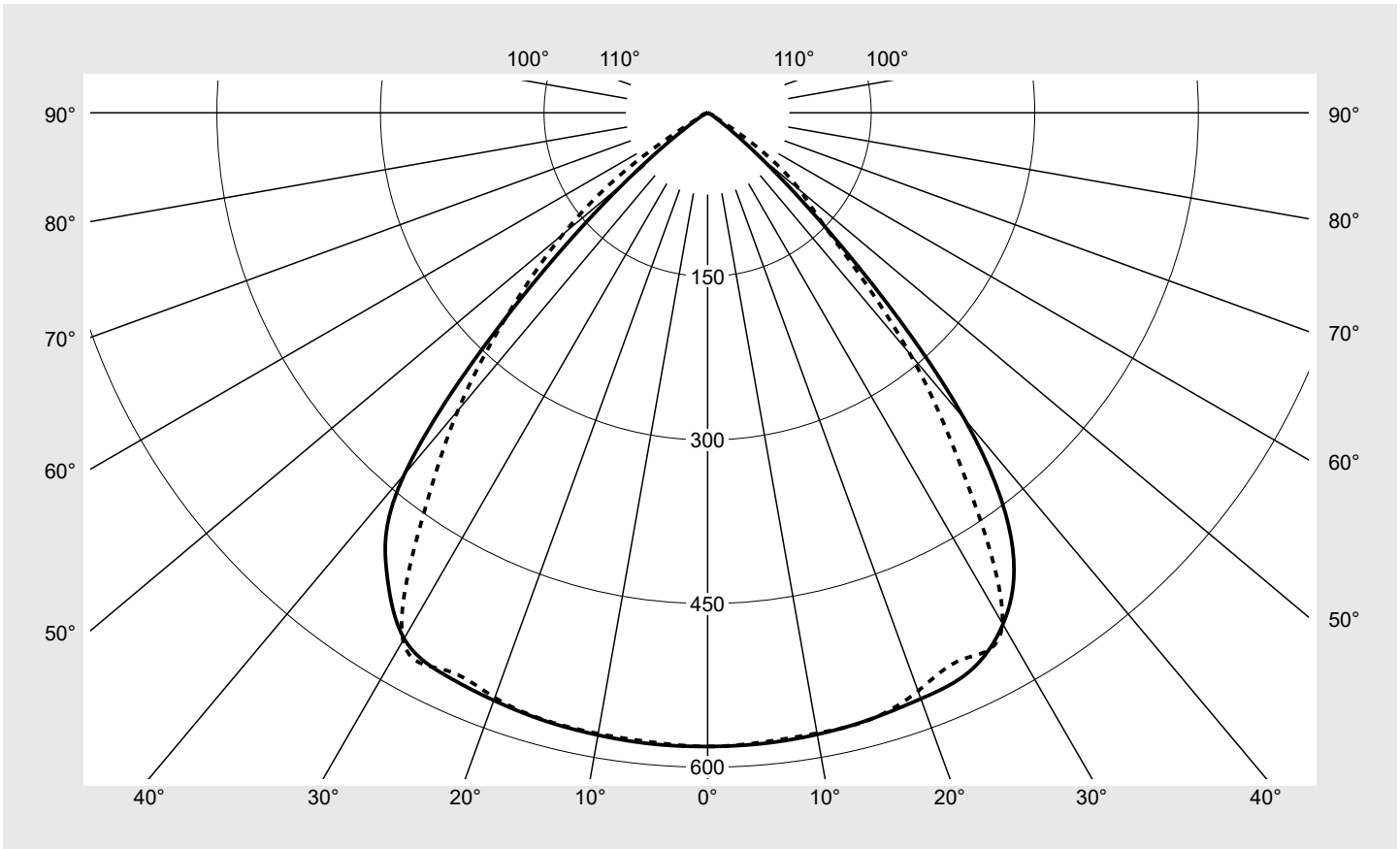
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 581 cd/klm



## Klassifizierungen

DIN 5040 A 6 0  
CIE N1=81 N2=99 N3=100  
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>Silica® 31</b>	<b>Bestell-Nr.: 51MY6NDU34WA</b> <b>EAN: 4069025073471</b>	<b>LP-Nummer</b> <b>59651_4</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°	165°	180°
$\gamma$	Lichtstärke in cd/klm												
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
5°	580.5	580.1	579.7	579.4	579.4	579.4	579.2	579.0	579.2	579.6	580.0	580.5	580.9
10°	578.7	578.5	578.4	578.3	578.0	577.7	577.6	577.5	578.2	578.7	578.6	578.8	579.3
15°	575.7	576.4	576.8	577.2	576.7	576.4	575.9	576.2	577.1	577.5	576.7	576.6	577.1
20°	571.7	572.8	573.6	576.1	569.0	564.9	564.1	566.2	570.5	575.8	575.1	572.8	573.3
25°	566.0	566.0	569.7	558.0	553.5	552.0	552.9	555.0	555.9	560.9	570.4	567.8	569.0
30°	541.6	540.0	546.9	525.4	533.0	536.9	540.7	543.2	535.9	528.0	550.7	551.3	556.7
35°	487.7	474.2	457.4	466.6	474.3	428.4	415.5	433.8	482.1	473.9	481.9	504.4	513.2
40°	366.3	361.1	338.8	353.2	337.9	294.5	289.0	304.8	337.6	388.1	355.1	393.3	432.6
45°	177.0	197.8	189.9	224.7	192.0	162.4	163.7	169.6	200.0	223.2	205.3	207.1	247.5
50°	59.6	73.0	68.9	101.0	76.5	96.8	110.7	105.6	75.4	118.3	93.8	83.2	99.3
55°	15.4	19.6	34.5	33.2	43.5	54.3	58.4	57.4	47.2	34.2	37.6	30.2	25.8
60°	6.2	7.6	11.7	17.6	20.1	12.5	5.7	12.8	19.7	20.8	16.2	8.0	8.2
65°	3.9	4.0	4.5	8.0	4.3	4.4	4.3	4.4	4.4	8.4	4.7	4.4	4.5
70°	2.5	2.7	2.8	2.8	3.1	3.0	2.9	3.0	3.1	2.9	2.9	2.7	3.0
75°	1.6	1.7	1.7	1.8	1.8	1.7	1.5	1.6	1.8	1.9	1.8	1.7	1.9
80°	0.9	1.0	1.0	0.9	0.4	0.1	0.0	0.1	0.4	0.8	1.0	1.0	1.2
85°	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6NDU34WA</b> <b>EAN: 4069025073471</b>	<b>LP-Nummer</b> <b>59651_4</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	195°	210°	225°	240°	255°	270°	285°	300°	315°	330°	345°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	3.5	3.5
5°	580.6	580.2	579.9	579.4	579.2	579.3	579.6	579.6	579.6	579.9	580.2	27.7	31.2
10°	578.7	578.5	579.0	578.9	578.0	578.0	578.3	578.9	579.0	578.8	578.6	55.1	86.2
15°	576.8	576.9	577.2	577.4	577.4	576.4	577.2	578.0	577.5	577.0	576.5	81.8	168.1
20°	573.4	575.5	576.5	572.6	571.3	570.6	571.8	573.3	576.3	573.9	572.8	107.3	275.4
25°	568.6	571.7	567.0	563.8	563.3	564.4	565.2	564.3	564.4	569.1	566.4	130.6	405.9
30°	556.7	557.9	546.1	551.7	555.8	558.7	557.7	551.5	541.1	552.6	542.8	149.6	555.5
35°	512.6	507.6	507.3	509.7	467.7	457.5	468.2	504.9	500.8	479.1	486.3	150.6	706.1
40°	418.8	394.7	438.8	381.7	362.9	356.1	354.7	376.9	409.9	373.1	383.3	129.2	835.4
45°	231.5	245.7	274.1	252.0	248.3	255.5	243.3	232.7	270.2	228.4	219.8	85.0	920.3
50°	100.9	114.3	152.3	123.7	166.7	172.8	157.5	112.9	125.8	91.5	77.8	44.8	965.1
55°	35.6	44.5	45.1	77.3	90.7	91.0	88.1	63.5	43.5	44.4	20.3	21.2	986.3
60°	9.0	19.9	27.4	32.0	20.3	8.7	20.2	30.1	23.2	14.3	8.1	7.5	993.9
65°	4.7	6.0	11.5	7.6	6.8	6.4	6.8	7.5	11.0	5.2	4.2	2.9	996.8
70°	2.9	3.3	4.3	5.1	4.5	4.2	4.5	5.1	3.8	3.1	2.9	1.7	998.5
75°	1.9	2.0	2.5	2.7	2.2	2.0	2.2	2.6	2.2	1.9	1.8	1.0	999.6
80°	1.1	1.2	1.0	0.5	0.1	0.0	0.1	0.5	1.0	1.1	1.1	0.4	999.9
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	1000.0
90°	0.0	0.0	0.0	0.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> Silica® 31	<b>Bestell-Nr.: 51MY6NDU34WA</b> <b>EAN: 4069025073471</b>	<b>LP-Nummer</b> 59651_4
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,7	21,1	20,1	21,4	21,7	19,5	20,9	19,9	21,2	21,5
	3H	19,6	20,8	20,0	21,1	21,5	19,4	20,6	19,8	20,9	21,3
	4H	19,5	20,6	19,9	21,0	21,3	19,3	20,4	19,7	20,8	21,1
	6H	19,5	20,5	19,9	20,8	21,2	19,3	20,2	19,7	20,6	21,0
	8H	19,4	20,4	19,9	20,7	21,2	19,2	20,2	19,7	20,5	21,0
	12H	19,5	20,3	19,9	20,7	21,1	19,3	20,1	19,7	20,5	20,9
4H	2H	19,6	20,7	20,0	21,0	21,4	19,3	20,4	19,7	20,8	21,2
	3H	19,4	20,3	19,9	20,7	21,1	19,2	20,1	19,6	20,5	20,9
	4H	19,4	20,2	19,8	20,6	21,0	19,1	19,9	19,6	20,3	20,8
	6H	19,3	20,0	19,7	20,4	20,9	19,1	19,7	19,5	20,2	20,6
	8H	19,2	19,9	19,7	20,3	20,8	19,0	19,6	19,5	20,1	20,6
	12H	19,2	19,7	19,7	20,2	20,7	19,0	19,5	19,5	20,0	20,5
8H	4H	19,3	19,9	19,7	20,3	20,8	19,0	19,6	19,5	20,1	20,6
	6H	19,2	19,6	19,7	20,1	20,6	18,9	19,4	19,4	19,9	20,4
	8H	19,1	19,5	19,6	20,0	20,6	18,9	19,3	19,4	19,8	20,3
	12H	19,1	19,4	19,6	19,9	20,5	18,8	19,2	19,4	19,7	20,2
12H	4H	19,2	19,7	19,7	20,2	20,7	19,0	19,5	19,5	20,0	20,5
	6H	19,1	19,5	19,6	20,0	20,6	18,9	19,3	19,4	19,8	20,3
	8H	19,1	19,4	19,6	19,9	20,5	18,8	19,2	19,4	19,7	20,2

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 240 B = 240											
C-Ebenen		0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
γ		Leuchtdichte in cd/m²											
45°	19732.7	21169.1	21403.0	18251.5	22293.8	22884.1	27583.4	27382.9	28084.5	28485.3	25935.1	25456.4	
50°	7310.8	8453.8	9376.2	13573.1	9243.9	11499.1	12175.3	14014.1	15165.6	21192.6	13842.6	11214.9	
55°	2119.7	4744.5	5971.9	8022.8	6481.2	5170.1	3547.3	6109.2	10624.3	12502.2	8732.5	6099.6	
60°	969.5	1837.8	3163.8	896.8	3102.3	2560.7	1295.6	3137.0	5039.4	1366.9	4738.6	2258.3	
65°	721.0	831.4	807.6	802.1	828.8	869.3	842.8	1119.0	1421.3	1202.0	1401.8	976.9	
70°	585.1	649.0	709.8	670.8	712.6	660.2	691.8	752.9	1175.5	972.3	1169.8	719.9	
75°	484.8	521.4	557.3	463.5	552.7	544.2	593.5	624.0	811.0	605.7	799.1	580.7	
80°	401.3	466.6	187.0	0.0	178.8	473.9	529.7	561.5	232.4	0.0	233.8	520.6	
85°	265.0	0.0	0.0	0.0	0.0	0.0	516.4	0.0	0.0	0.0	0.0	0.0	

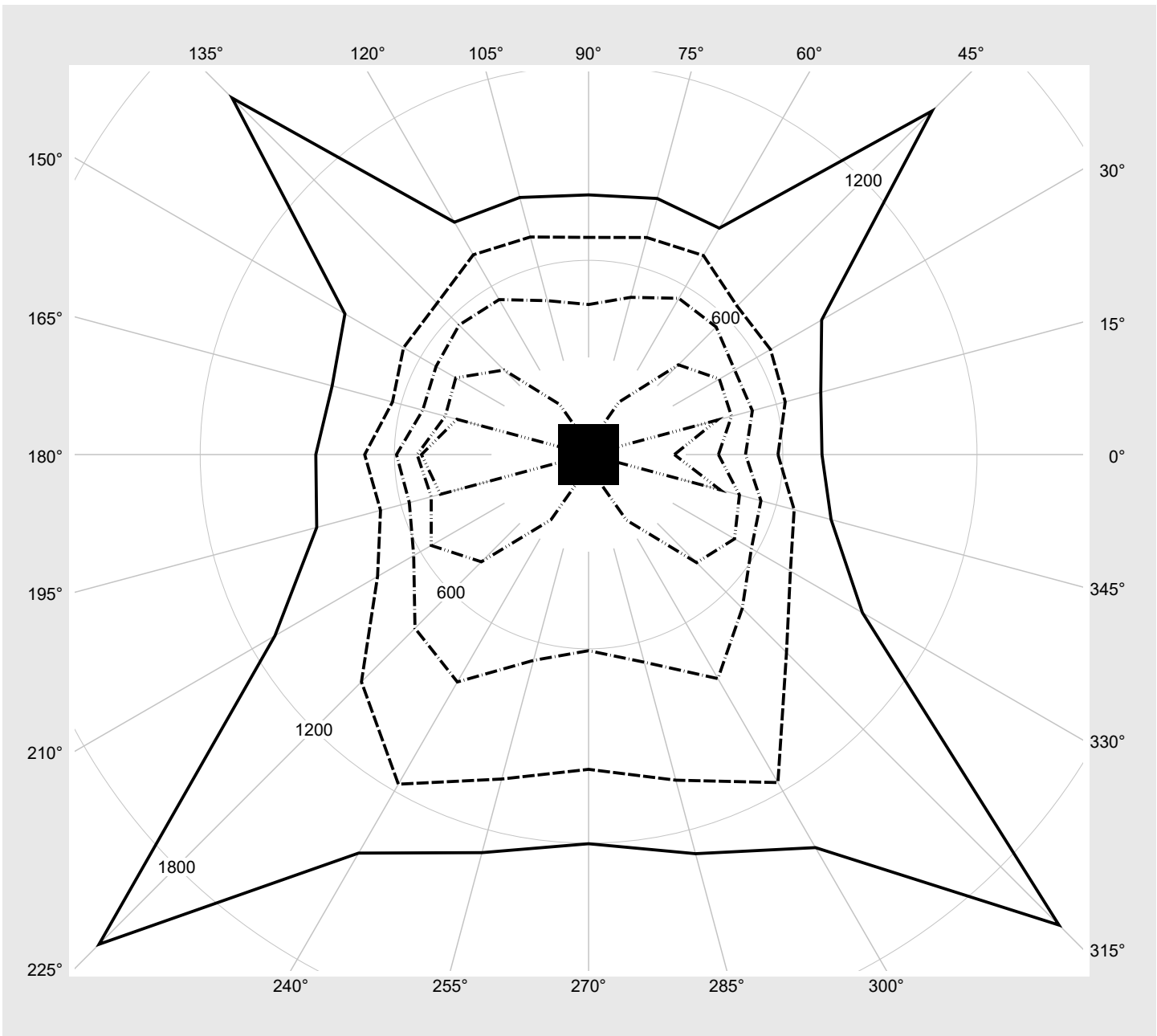
**Lichttechnischer Prüfbefund**

<b>Familie</b> <b>Silica® 31</b>	<b>Bestell-Nr.: 51MY6NDU34WA</b> <b>EAN: 4069025073471</b>	<b>LP-Nummer</b> <b>59651_4</b>
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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**



## Lichttechnischer Prüfbefund

<b>Familie</b> Silica® 31	<b>Bestell-Nr.: 51MY6NDU34WA</b> <b>EAN: 4069025073471</b>	<b>LP-Nummer</b> <b>59651_4</b>
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<b>Multilumen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
0	OFF	OFF	OFF	OFF	6230	38.5
1	ON	OFF	OFF	OFF	5960	37.0
2	OFF	ON	OFF	OFF	5680	35.0
4	OFF	OFF	ON	OFF	5400	33.0
7	ON	ON	ON	OFF	5130	31.0
8	OFF	OFF	OFF	ON	4820	29.5
10	OFF	ON	OFF	ON	4540	28.0
12	OFF	OFF	ON	ON	4330	26.0
13	ON	OFF	ON	ON	3960	24.0
14	OFF	ON	ON	ON	3670	22.5