

Lichttechnischer Prüfbefund

Familie
Licross® 21 Silica

Bestell-Nr.: 51TS12DN4ZM00582XX
EAN: 4058352960011

LP-Nummer
59266_172



Ausführung Reflektor, schwarz, direkt strahlend, breit strahlend, UGR≤19 (L65≤1000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 6340 lm
Systemleistung = 39.0 W
Lichtausbeute = 162.6 lm/W

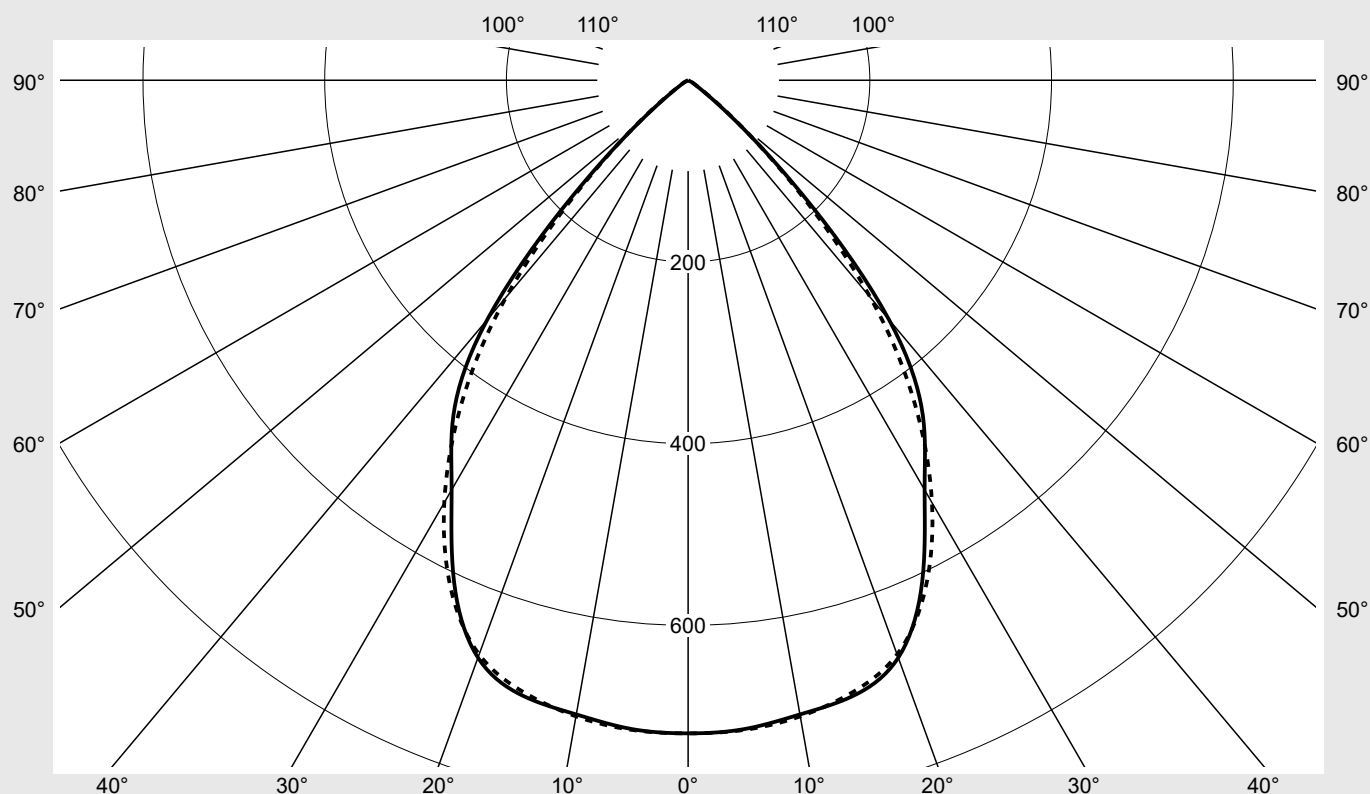
Seriendokumentation
23.08.2023

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Lichtstärke in cd/klm

C180-0 C270-90

Imax: 719 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=86 N2=100 N3=100
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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	718.8	718.8	718.8	718.8	718.8	718.8	718.8	4.3	4.3
5°	716.8	715.7	712.2	716.2	717.8	715.2	717.7	34.2	38.5
10°	708.8	709.0	703.3	708.6	709.9	707.6	710.9	67.4	105.9
15°	701.5	704.3	697.3	698.3	698.8	696.7	697.6	99.2	205.1
20°	676.3	682.5	681.1	681.0	677.6	673.2	672.5	127.2	332.2
25°	609.5	618.9	627.5	636.4	634.5	625.9	617.8	145.0	477.3
30°	520.6	528.9	533.1	542.9	550.7	541.7	536.8	147.4	624.6
35°	450.5	455.7	444.2	436.3	445.0	443.0	435.2	139.8	764.4
40°	343.9	350.9	343.2	332.9	329.4	321.5	312.0	117.8	882.2
45°	178.2	185.2	190.8	192.2	186.9	176.3	167.1	71.3	953.5
50°	59.7	64.4	73.8	78.7	75.2	68.1	63.7	29.5	983.0
55°	15.6	18.5	24.7	31.2	26.2	20.2	17.4	10.3	993.3
60°	6.1	6.8	9.1	12.2	9.8	7.7	7.0	4.1	997.4
65°	2.1	2.4	3.4	4.3	3.8	3.0	2.8	1.6	999.0
70°	1.4	1.4	1.0	1.0	1.2	1.5	1.5	0.7	999.7
75°	0.3	0.4	0.3	0.4	0.4	0.5	0.4	0.2	999.9
80°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	999.9
85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,6	20,9	20,0	21,2	21,5	19,4	20,7	19,8	21,0	21,3
	3H	19,5	20,6	19,8	20,9	21,3	19,3	20,4	19,7	20,8	21,1
	4H	19,4	20,4	19,8	20,8	21,2	19,2	20,3	19,6	20,6	21,0
	6H	19,3	20,3	19,7	20,6	21,0	19,2	20,1	19,6	20,5	20,9
	8H	19,4	20,2	19,8	20,6	21,0	19,2	20,0	19,6	20,4	20,8
	12H	19,3	20,1	19,8	20,5	20,9	19,2	19,9	19,6	20,3	20,7
4H	2H	19,4	20,4	19,8	20,8	21,2	19,2	20,3	19,6	20,6	21,0
	3H	19,3	20,1	19,7	20,5	20,9	19,1	19,9	19,5	20,3	20,7
	4H	19,2	19,9	19,6	20,3	20,8	19,0	19,7	19,4	20,2	20,6
	6H	19,1	19,7	19,6	20,2	20,6	18,9	19,6	19,4	20,0	20,5
	8H	19,0	19,6	19,5	20,1	20,6	18,9	19,4	19,4	19,9	20,4
	12H	19,0	19,5	19,5	20,0	20,5	18,9	19,3	19,4	19,8	20,3
8H	4H	19,0	19,6	19,5	20,1	20,6	18,9	19,4	19,4	19,9	20,4
	6H	18,9	19,4	19,4	19,9	20,4	18,8	19,2	19,3	19,7	20,2
	8H	18,9	19,3	19,4	19,8	20,3	18,7	19,1	19,2	19,6	20,1
	12H	18,9	19,2	19,4	19,7	20,2	18,7	19,0	19,2	19,5	20,1
12H	4H	19,0	19,5	19,5	20,0	20,5	18,9	19,3	19,4	19,8	20,3
	6H	18,9	19,3	19,4	19,8	20,3	18,8	19,1	19,3	19,6	20,1
	8H	18,9	19,2	19,4	19,7	20,2	18,7	19,0	19,2	19,5	20,1

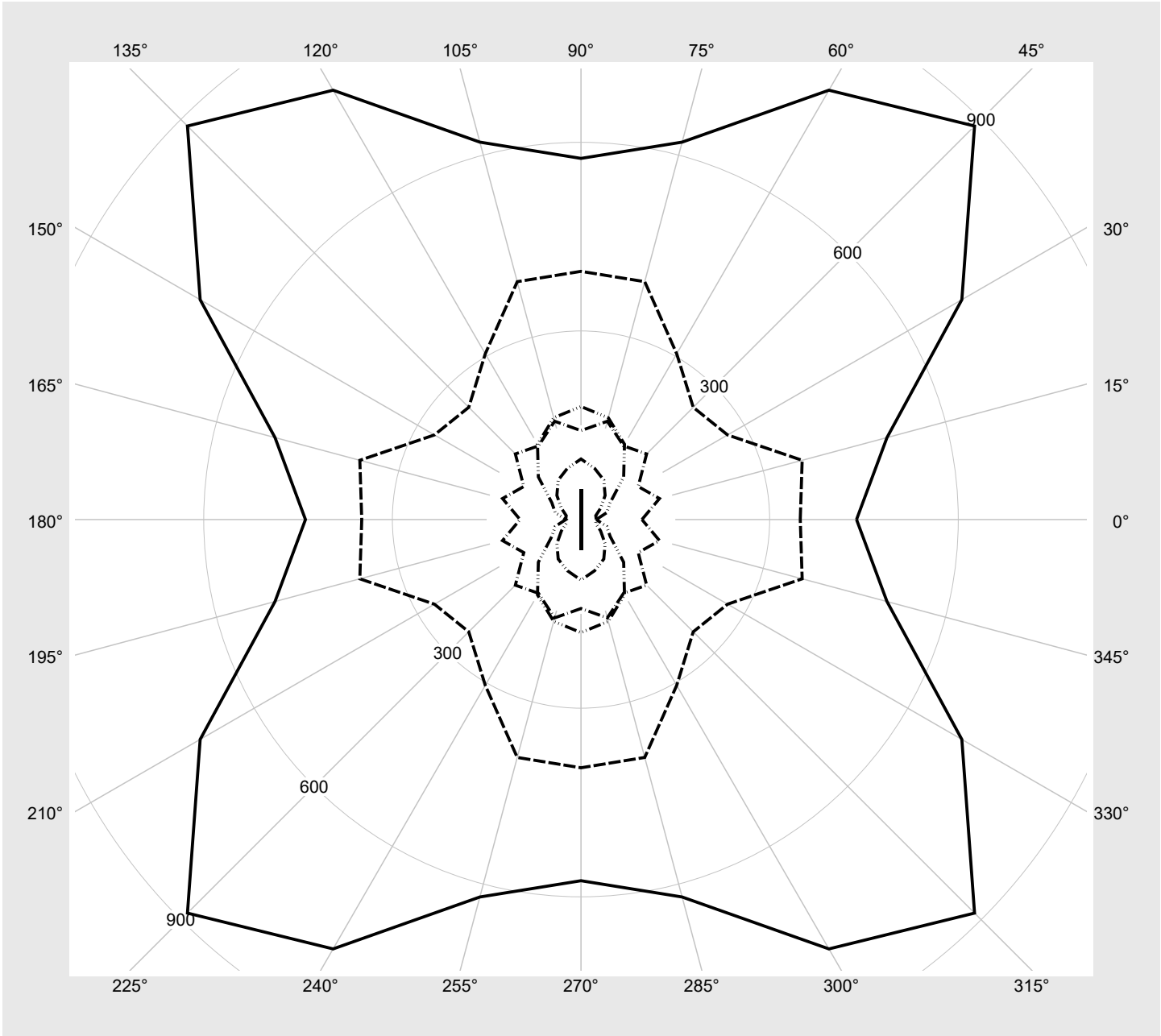
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1470 B = 49
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C- Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		22182.8	23058.1	23745.5	23926.1	23266.0	21939.3	20803.6	
50°		8180.2	8824.1	10100.5	10772.0	10291.6	9327.9	8728.9	
55°		2395.3	2836.8	3784.5	4792.6	4018.1	3104.1	2670.9	
60°		1073.7	1200.2	1609.3	2147.1	1731.9	1355.1	1226.5	
65°		438.2	503.8	699.4	885.1	788.5	621.5	574.4	
70°		348.7	364.2	269.2	252.5	304.4	391.7	394.8	
75°		96.9	129.2	105.1	147.6	135.4	161.9	141.5	
80°		24.3	24.3	36.0	54.2	72.5	84.1	96.3	
85°		24.2	42.4	53.5	95.9	138.4	167.6	179.8	

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



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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	6340	39.0
95	240	252	6015	36.9
90	227	250	5711	35.0
85	213	248	5380	32.8
80	200	245	5068	30.9
75	187	243	4754	28.9
70	174	240	4439	27.0
65	161	237	4121	25.0
60	148	234	3802	23.1
55	135	231	3478	21.2
50	123	227	3178	19.4
45	110	223	2849	17.5
40	98	219	2544	15.7
35	85	214	2212	13.8
30	73	208	1904	12.0
25	61	202	1594	10.3
20	48	193	1255	8.5
15	36	182	940	6.7
10	24	168	624	5.0
5	12	142	307	3.2
2	5	110	121	2.2