

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL18VN48XG
EAN: 4058352979624

LP-Nummer
59103_292



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI CLO

Bemessungswerte Nettolichtstrom = 8000 lm
Systemleistung = 45.7 W
Lichtausbeute = 175.1 lm/W

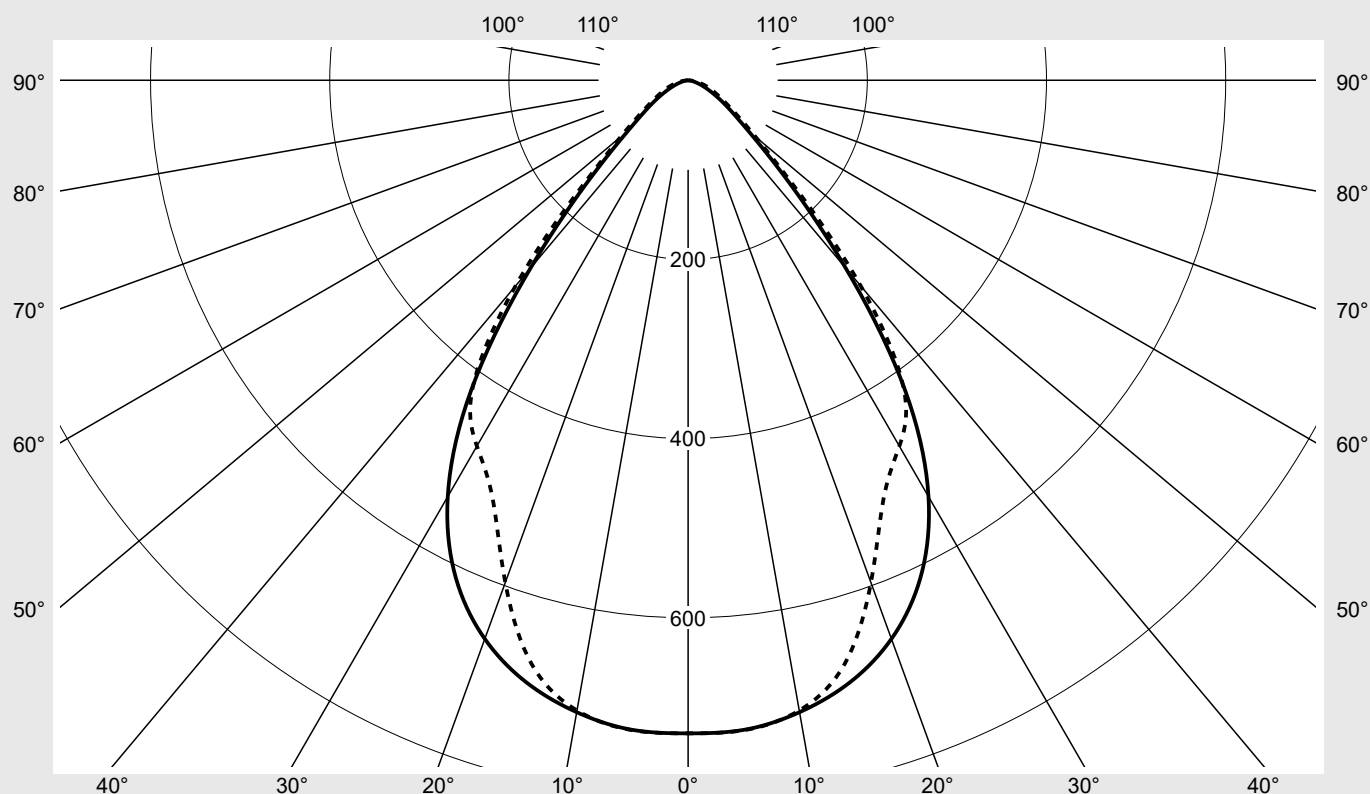
Seriendokumentation
07.11.2023

siteco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 729 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=79 N2=95 N3=99
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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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	19,5	20,8	19,8	21,1	21,4	20,1	21,5	20,5	21,8	22,1
	3H	19,6	20,8	20,0	21,1	21,5	20,5	21,7	20,9	22,0	22,4
	4H	19,6	20,7	20,0	21,1	21,5	20,7	21,8	21,0	22,1	22,5
	6H	19,6	20,6	20,0	21,0	21,4	20,8	21,8	21,2	22,1	22,5
	8H	19,7	20,6	20,1	21,0	21,4	20,9	21,8	21,3	22,1	22,5
	12H	19,7	20,5	20,1	20,9	21,3	20,9	21,7	21,3	22,1	22,5
4H	2H	19,6	20,7	20,0	21,1	21,4	20,2	21,3	20,6	21,7	22,0
	3H	19,9	20,8	20,3	21,2	21,6	20,7	21,6	21,2	22,0	22,5
	4H	19,9	20,7	20,3	21,1	21,6	21,0	21,8	21,4	22,2	22,7
	6H	19,9	20,6	20,4	21,1	21,5	21,2	21,9	21,6	22,3	22,8
	8H	19,9	20,5	20,4	21,0	21,5	21,2	21,9	21,7	22,3	22,8
	12H	19,9	20,5	20,4	20,9	21,4	21,3	21,8	21,8	22,3	22,8
8H	4H	20,0	20,6	20,5	21,1	21,5	21,0	21,6	21,5	22,1	22,6
	6H	20,0	20,5	20,5	21,0	21,5	21,3	21,8	21,8	22,3	22,8
	8H	20,0	20,5	20,5	21,0	21,5	21,4	21,8	21,9	22,3	22,8
	12H	20,0	20,4	20,6	20,9	21,5	21,4	21,8	22,0	22,3	22,8
12H	4H	20,0	20,5	20,5	21,0	21,5	21,0	21,5	21,5	22,0	22,5
	6H	20,0	20,5	20,6	21,0	21,5	21,3	21,7	21,8	22,2	22,7
	8H	20,1	20,4	20,6	20,9	21,5	21,4	21,7	21,9	22,2	22,8

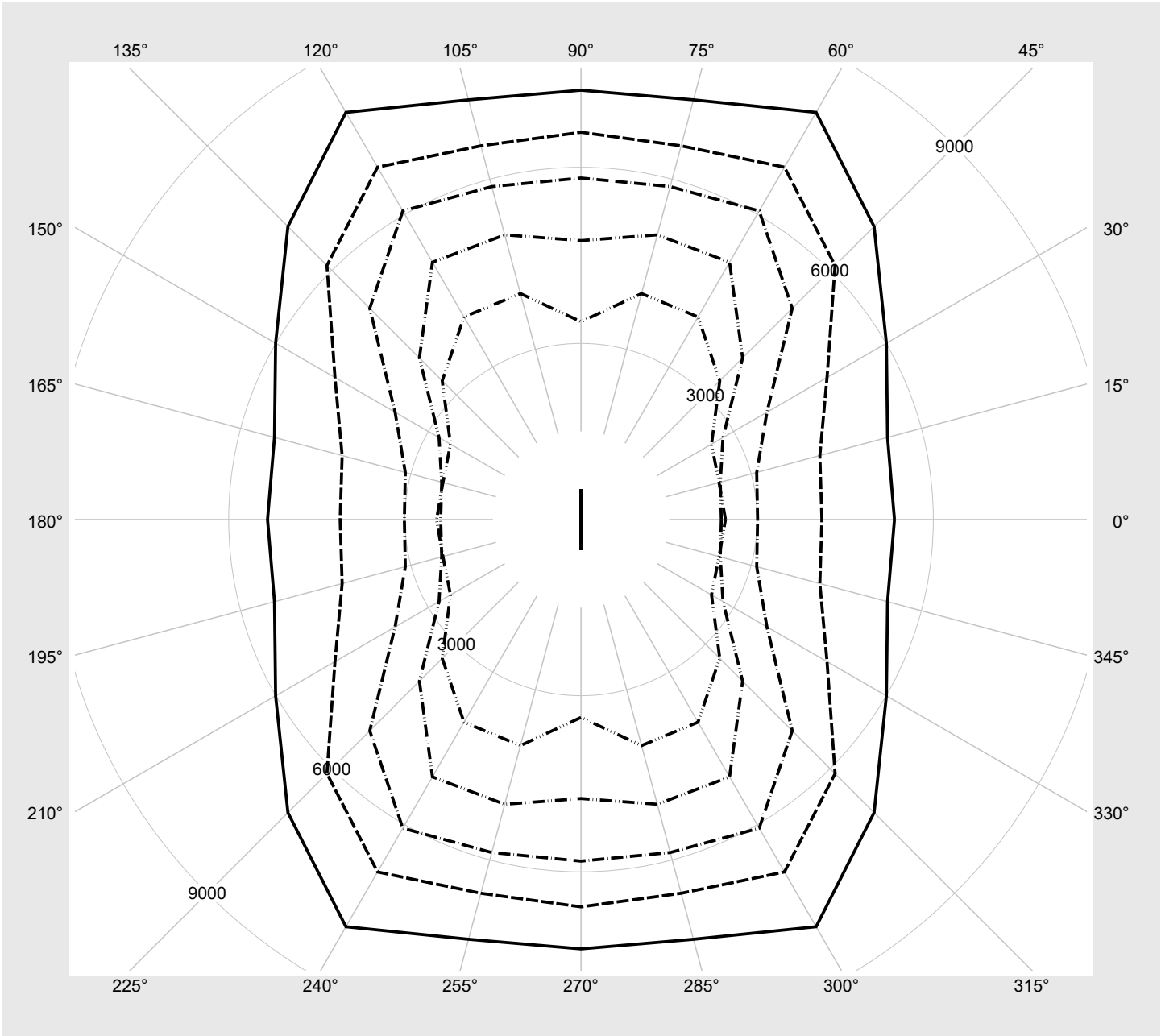
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1500 B = 58
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		19948.0	19242.7	17189.2	19031.7	21404.9	21833.4	21800.5
50°		12466.0	12302.7	12647.2	13648.0	15094.7	14587.0	14068.6
55°		9053.4	8846.1	9325.6	11101.3	11975.0	10987.6	10353.6
60°		6945.5	6871.0	7276.5	8497.7	9630.5	8735.4	8399.8
65°		5338.4	5404.5	6005.7	7059.0	8007.7	7401.0	7312.7
70°		4102.2	4211.4	4838.3	6119.4	6930.3	6589.7	6596.4
75°		3007.8	3097.7	3656.2	5088.0	6069.3	5871.4	5817.4
80°		2389.3	2456.0	2791.7	3892.1	5060.3	5020.1	4751.6
85°		2460.4	2434.0	2566.9	3342.4	3984.9	3984.9	3369.8

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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] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	8000	45.7	54.2	50.0
95	240	252	7586	43.2	51.3	47.2
90	227	250	7200	40.9	48.6	44.8
85	214	248	6810	38.6	45.8	42.2
80	200	245	6388	36.2	42.9	39.6
75	187	243	5993	33.9	40.1	37.0
70	174	240	5595	31.7	37.4	34.6
65	161	237	5193	29.4	34.7	32.0
60	148	234	4788	27.2	32.0	29.6
55	136	231	4410	25.1	29.5	27.3
50	123	227	4001	22.9	26.9	24.9
45	110	223	3588	20.7	24.2	22.4
40	98	219	3202	18.7	21.8	20.2
35	86	214	2815	16.6	19.4	18.0
30	73	208	2393	14.4	16.8	15.6
25	61	202	2004	12.3	14.4	13.4
20	49	194	1610	10.3	11.9	11.1
15	37	183	1214	8.3	9.4	8.9
10	24	168	786	6.1	6.8	6.4
5	12	142	386	4.0	4.4	4.2
2	5	110	151	2.9	3.1	3.0