

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN3EXM
EAN: 4058352971314

LP-Nummer
59446_84



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 14040 lm
Systemleistung = 84.6 W
Lichtausbeute = 166 lm/W

Seriendokumentation
28.09.2023

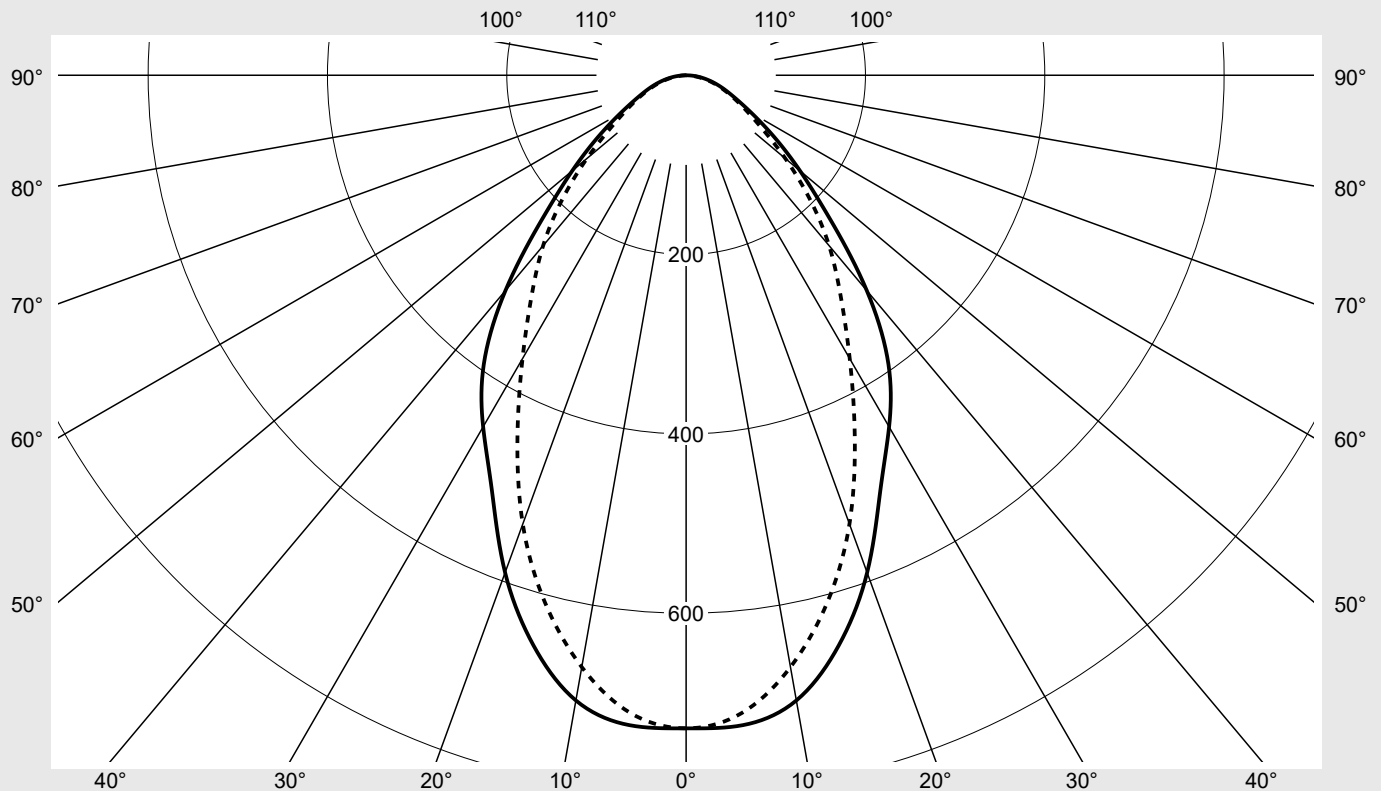
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=69 N2=91 N3=98
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
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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									
0°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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	23,5	25,0	23,9	25,3	25,6	23,1	24,6	23,5	24,9	25,2
	3H	24,2	25,5	24,6	25,8	26,2	23,9	25,2	24,3	25,5	25,9
	4H	24,5	25,7	24,9	26,1	26,5	24,3	25,5	24,7	25,8	26,2
	6H	24,9	25,9	25,3	26,3	26,7	24,6	25,7	25,0	26,0	26,4
	8H	25,1	26,0	25,5	26,4	26,8	24,7	25,7	25,1	26,1	26,5
	12H	25,2	26,1	25,6	26,5	26,9	24,7	25,7	25,2	26,1	26,5
4H	2H	23,8	25,0	24,2	25,3	25,7	23,5	24,7	23,9	25,0	25,4
	3H	24,5	25,5	25,0	25,9	26,3	24,5	25,5	24,9	25,9	26,3
	4H	24,9	25,8	25,4	26,2	26,7	24,9	25,8	25,4	26,2	26,7
	6H	25,3	26,1	25,8	26,5	27,0	25,3	26,1	25,8	26,5	27,0
	8H	25,5	26,2	26,0	26,7	27,1	25,4	26,1	25,9	26,6	27,0
	12H	25,7	26,3	26,2	26,7	27,2	25,5	26,1	26,0	26,6	27,1
8H	4H	25,0	25,7	25,5	26,2	26,7	25,0	25,7	25,5	26,2	26,7
	6H	25,5	26,0	26,0	26,5	27,0	25,5	26,1	26,0	26,5	27,0
	8H	25,7	26,2	26,2	26,7	27,2	25,7	26,2	26,2	26,6	27,2
	12H	25,9	26,3	26,4	26,8	27,3	25,8	26,2	26,3	26,7	27,2
12H	4H	25,1	25,7	25,6	26,1	26,6	25,1	25,7	25,6	26,1	26,6
	6H	25,5	26,0	26,0	26,5	27,0	25,5	26,0	26,0	26,5	27,0
	8H	25,7	26,1	26,2	26,6	27,2	25,7	26,1	26,2	26,6	27,1

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

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°		51863.6	49682.0	47585.3	43688.8	40216.6	42713.0	44473.7
50°		41634.8	37982.4	35975.4	37095.4	34882.3	35745.7	36266.9
55°		33686.2	29610.5	26367.6	30643.6	30791.9	29314.2	29039.6
60°		27222.4	23552.0	20326.7	25332.0	27037.2	24337.0	24571.9
65°		23131.7	19664.8	16600.8	21120.1	23492.5	21209.0	21735.2
70°		21123.4	17425.1	13900.0	17619.5	19131.3	18850.5	19832.4
75°		19887.9	15823.1	11979.7	14723.8	17204.8	16841.3	18274.8
80°		18797.9	14435.5	10332.5	11887.3	14191.1	14482.0	15987.5
85°		17429.3	13328.0	8993.3	9322.9	10759.8	11076.4	11663.4

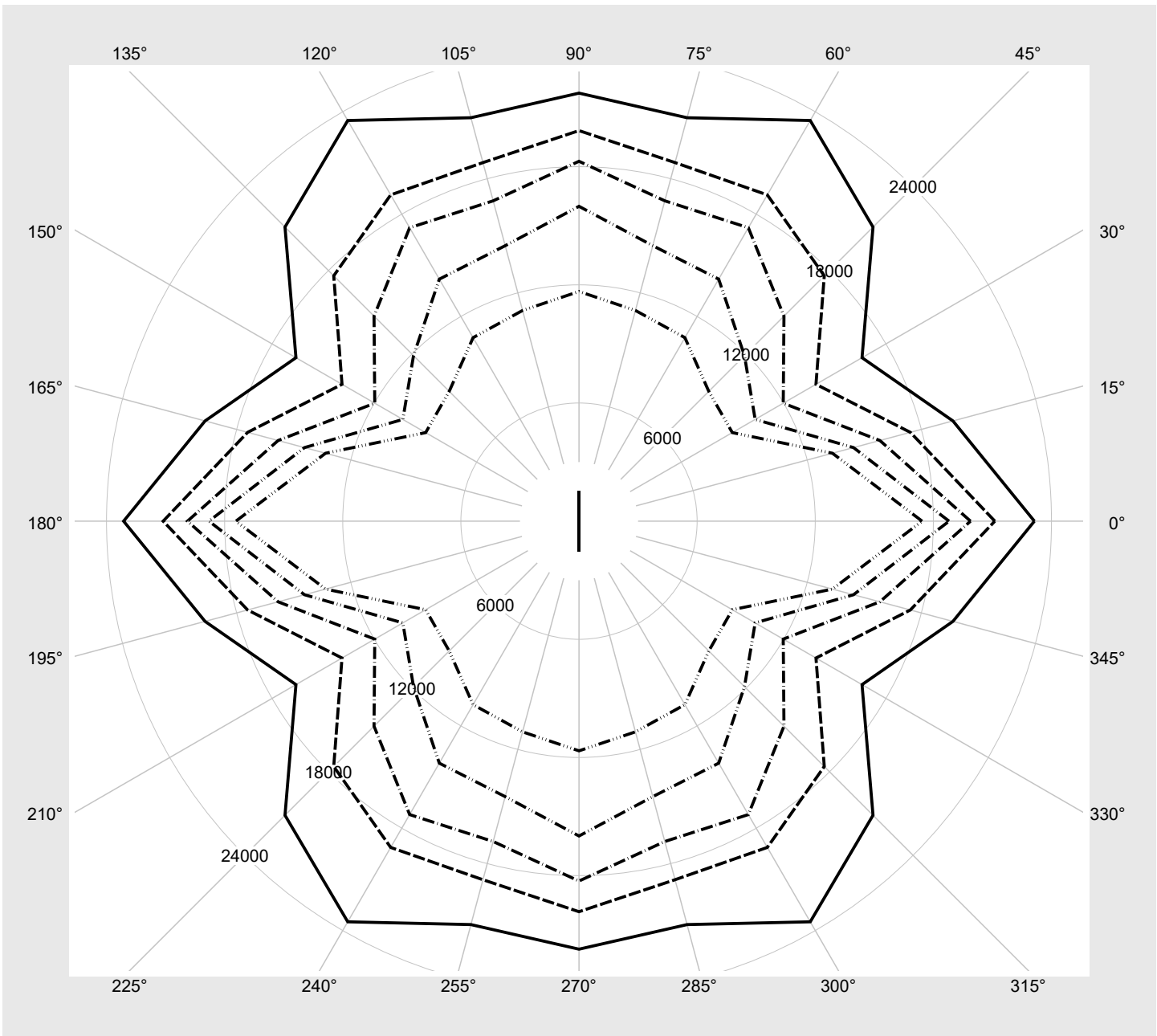
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Leuchtdichten in cd/m²

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]
100	254	254	14040	84.6
95	240	252	13339	79.9
90	226	250	12628	75.2
85	212	247	11910	70.6
80	199	245	11235	66.3
75	186	243	10547	62.0
70	172	240	9802	57.5
65	159	237	9100	53.3
60	147	234	8449	49.3
55	134	231	7735	45.1
50	121	227	7010	40.9
45	109	223	6338	37.1
40	96	218	5603	32.9
35	84	213	4916	29.1
30	72	208	4225	25.4
25	60	201	3530	21.6
20	48	193	2826	17.8
15	36	182	2120	14.0
10	24	168	1409	10.2
5	12	142	691	6.5
2	4	102	211	4.1