

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN5E5M
EAN: 4058352971352

LP-Nummer
59446_86



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 5000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 14860 lm
Systemleistung = 84.6 W
Lichtausbeute = 175.7 lm/W

Seriendokumentation
28.09.2023

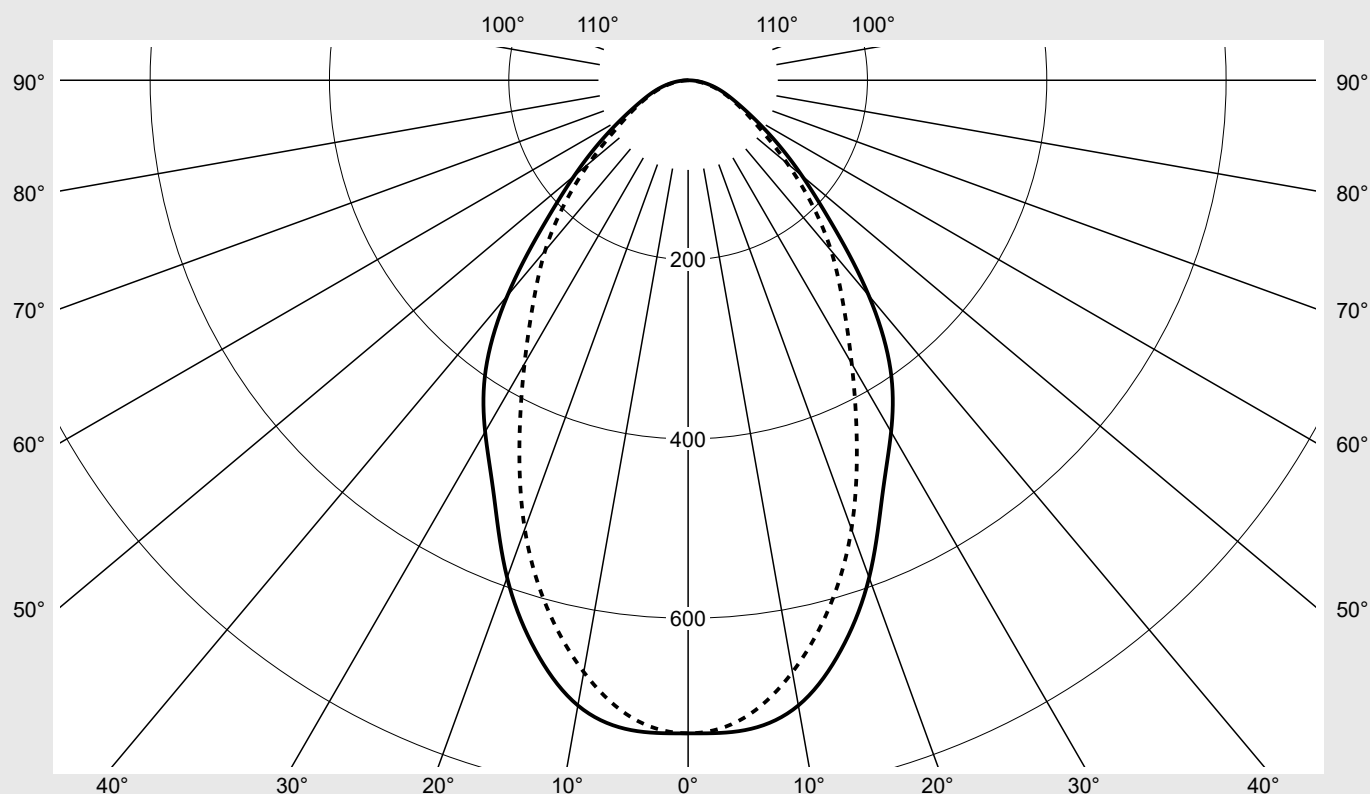
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Lichtstärke in cd/klm

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	23,7	25,1	24,1	25,5	25,8	23,3	24,8	23,7	25,1	25,4
	3H	24,4	25,7	24,8	26,0	26,4	24,1	25,4	24,5	25,7	26,1
	4H	24,7	25,9	25,1	26,3	26,6	24,5	25,7	24,9	26,0	26,4
	6H	25,1	26,1	25,5	26,5	26,9	24,8	25,8	25,2	26,2	26,6
	8H	25,3	26,2	25,7	26,6	27,0	24,9	25,9	25,3	26,3	26,7
	12H	25,4	26,3	25,8	26,6	27,1	24,9	25,9	25,4	26,3	26,7
4H	2H	24,0	25,2	24,4	25,5	25,9	23,7	24,9	24,1	25,2	25,6
	3H	24,7	25,7	25,2	26,1	26,5	24,7	25,7	25,1	26,1	26,5
	4H	25,1	26,0	25,6	26,4	26,9	25,1	26,0	25,6	26,4	26,9
	6H	25,5	26,3	26,0	26,7	27,2	25,5	26,3	26,0	26,7	27,2
	8H	25,7	26,4	26,2	26,8	27,3	25,6	26,3	26,1	26,8	27,2
	12H	25,9	26,5	26,4	26,9	27,4	25,7	26,3	26,2	26,8	27,3
8H	4H	25,2	25,9	25,7	26,4	26,9	25,2	25,9	25,7	26,4	26,9
	6H	25,7	26,2	26,2	26,7	27,2	25,7	26,3	26,2	26,7	27,2
	8H	25,9	26,4	26,4	26,9	27,4	25,8	26,4	26,4	26,8	27,4
	12H	26,1	26,5	26,6	27,0	27,5	26,0	26,4	26,5	26,9	27,4
12H	4H	25,3	25,9	25,8	26,3	26,8	25,3	25,8	25,8	26,3	26,8
	6H	25,7	26,2	26,2	26,7	27,2	25,7	26,2	26,2	26,7	27,2
	8H	25,9	26,3	26,4	26,8	27,4	25,9	26,3	26,4	26,8	27,3

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

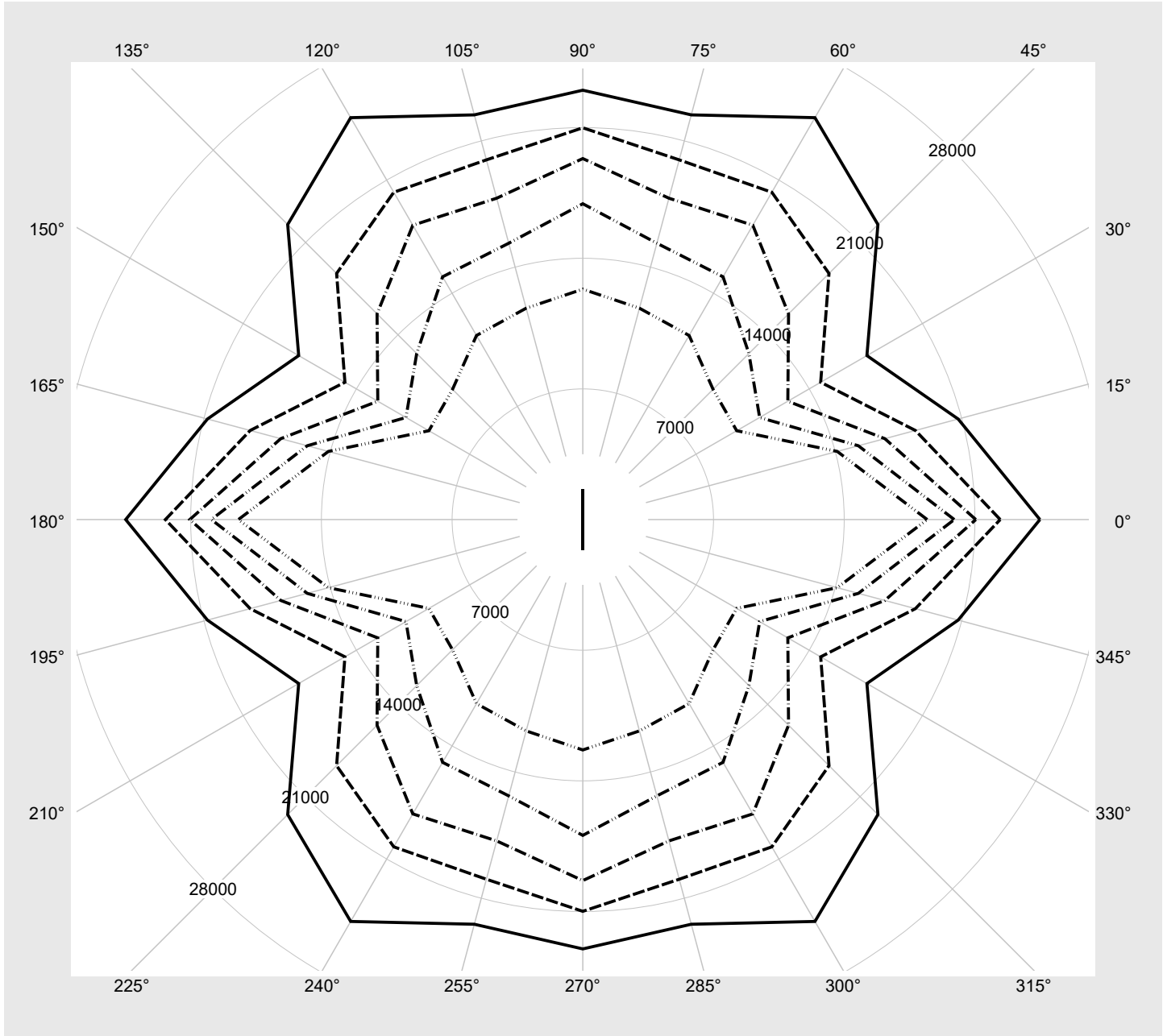
Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

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°		54892.7	52583.7	50364.5	46240.5	42565.5	45207.6	47071.2
50°		44066.5	40200.7	38076.5	39261.9	36919.5	37833.4	38385.0
55°		35653.6	31339.9	27907.6	32433.4	32590.3	31026.3	30735.7
60°		28812.3	24927.6	21513.9	26811.5	28616.3	25758.4	26007.0
65°		24482.7	20813.3	17570.4	22353.6	24864.6	22447.7	23004.7
70°		22357.1	18442.8	14711.8	18648.6	20248.6	19951.5	20990.7
75°		21049.4	16747.3	12679.4	15583.8	18209.7	17824.9	19342.1
80°		19895.8	15278.6	10935.9	12581.5	15019.9	15327.8	16921.3
85°		18447.2	14106.4	9518.6	9867.4	11388.2	11723.3	12344.5

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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	14860	84.6
95	240	252	14112	80.0
90	226	250	13355	75.2
85	213	248	12646	71.0
80	199	245	11873	66.3
75	186	243	11143	62.0
70	173	240	10408	57.8
65	160	237	9663	53.6
60	147	234	8915	49.3
55	134	231	8158	45.1
50	122	227	7451	41.2
45	109	223	6681	37.1
40	97	219	5964	33.2
35	84	213	5177	29.1
30	72	208	4449	25.4
25	60	201	3715	21.6
20	48	193	2973	17.8
15	36	182	2229	14.0
10	24	168	1482	10.2
5	12	142	725	6.5
1	4	102	221	4.1