

Lichttechnischer Prüfbefund

Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL12DN4FXMD

EAN: 4058352890967

LP-Nummer

59446_29



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung AC-Betrieb

Bemessungswerte
 Nettolichtstrom = 15000 lm
 Systemleistung = 84.6 W
 Lichtausbeute = 177.3 lm/W

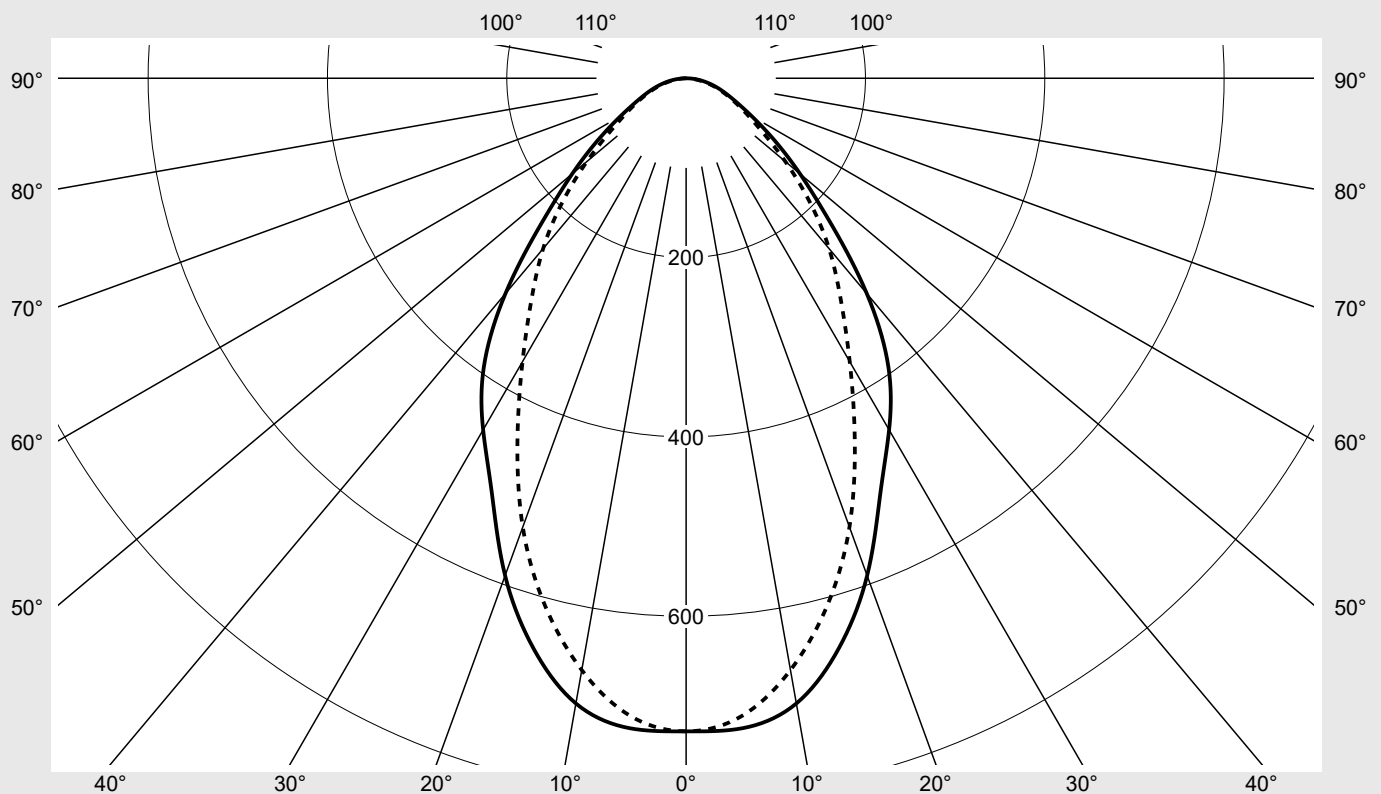
Seriendokumentation
 10.08.2023

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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	23,7	25,2	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	25,8	26,1
	4H	24,8	26,0	25,2	26,3	26,7	24,5	25,7	24,9	26,1	26,4
	6H	25,1	26,2	25,5	26,5	26,9	24,8	25,9	25,2	26,3	26,6
	8H	25,3	26,3	25,7	26,6	27,0	24,9	25,9	25,4	26,3	26,7
	12H	25,4	26,3	25,8	26,7	27,1	25,0	25,9	25,4	26,3	26,7
4H	2H	24,0	25,2	24,4	25,6	25,9	23,7	24,9	24,1	25,3	25,6
	3H	24,8	25,8	25,2	26,2	26,6	24,7	25,7	25,1	26,1	26,5
	4H	25,2	26,1	25,6	26,5	26,9	25,2	26,1	25,6	26,5	26,9
	6H	25,6	26,3	26,0	26,8	27,2	25,5	26,3	26,0	26,7	27,2
	8H	25,7	26,4	26,2	26,9	27,4	25,7	26,3	26,1	26,8	27,3
	12H	25,9	26,5	26,4	27,0	27,5	25,7	26,3	26,2	26,8	27,3
8H	4H	25,3	26,0	25,7	26,4	26,9	25,3	26,0	25,7	26,4	26,9
	6H	25,7	26,3	26,2	26,7	27,3	25,7	26,3	26,2	26,8	27,3
	8H	25,9	26,4	26,4	26,9	27,4	25,9	26,4	26,4	26,9	27,4
	12H	26,1	26,5	26,6	27,0	27,6	26,0	26,4	26,5	26,9	27,5
12H	4H	25,3	25,9	25,8	26,4	26,8	25,3	25,9	25,8	26,3	26,8
	6H	25,7	26,2	26,2	26,7	27,2	25,8	26,2	26,3	26,7	27,2
	8H	25,9	26,4	26,5	26,9	27,4	25,9	26,3	26,4	26,8	27,4

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

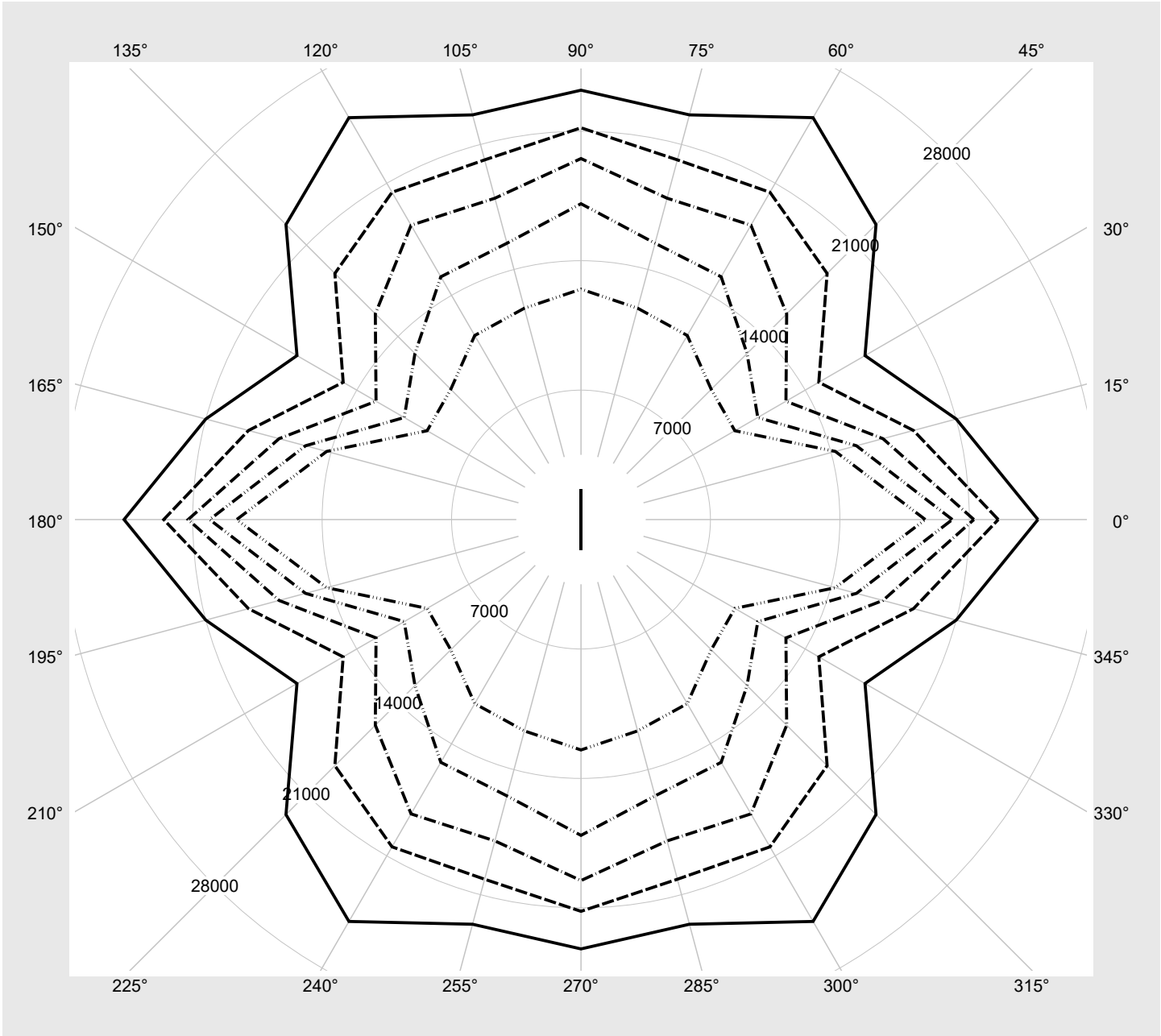
Lichttechnische Abmessungen in mm: L = 1500, B = 58

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°		55409.9	53079.1	50839.0	46676.1	42966.5	45633.5	47514.6
50°		44481.6	40579.4	38435.2	39631.8	37267.4	38189.8	38746.6
55°		35989.6	31635.1	28170.5	32738.9	32897.3	31318.6	31025.2
60°		29083.8	25162.4	21716.6	27064.1	28885.9	26001.0	26252.1
65°		24713.3	21009.4	17735.9	22564.2	25098.9	22659.2	23221.4
70°		22567.7	18616.6	14850.4	18824.3	20439.4	20139.5	21188.5
75°		21247.7	16905.0	12798.9	15730.6	18381.2	17992.9	19524.4
80°		20083.2	15422.6	11039.0	12700.1	15161.5	15472.2	17080.7
85°		18621.0	14239.3	9608.2	9960.4	11495.5	11833.8	12460.8

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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	15000	84.6
95	240	252	14247	80.0
90	226	250	13483	75.2
85	213	248	12769	71.0
80	199	245	11989	66.3
75	186	243	11253	62.0
70	173	240	10512	57.8
65	160	237	9761	53.6
60	147	234	9006	49.3
55	134	231	8243	45.1
50	122	227	7528	41.2
45	109	223	6751	37.1
40	97	219	6028	33.2
35	84	213	5233	29.1
30	72	208	4497	25.4
25	60	201	3756	21.6
20	48	193	3006	17.8
15	36	182	2255	14.0
10	24	168	1498	10.2
5	12	142	734	6.5
1	4	102	224	4.1