

Lichttechnischer Prüfbefund

Familie
Ecopack® 31

Bestell-Nr.: 51LJ12DNM80A
EAN: 4058352589526

LP-Nummer
59349_2



Ausführung Diffusoroptik, satiniert, PC, einstellbare Farbtemperatur: 3000K | 4000K | 5000K, extrem breit strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Werkseinstellung: Farbtemperatur 4000K

Bemessungswerte Nettolichtstrom = 7000 lm
Systemleistung = 52.0 W
Lichtausbeute = 134.6 lm/W

Seriendokumentation
19.08.2022

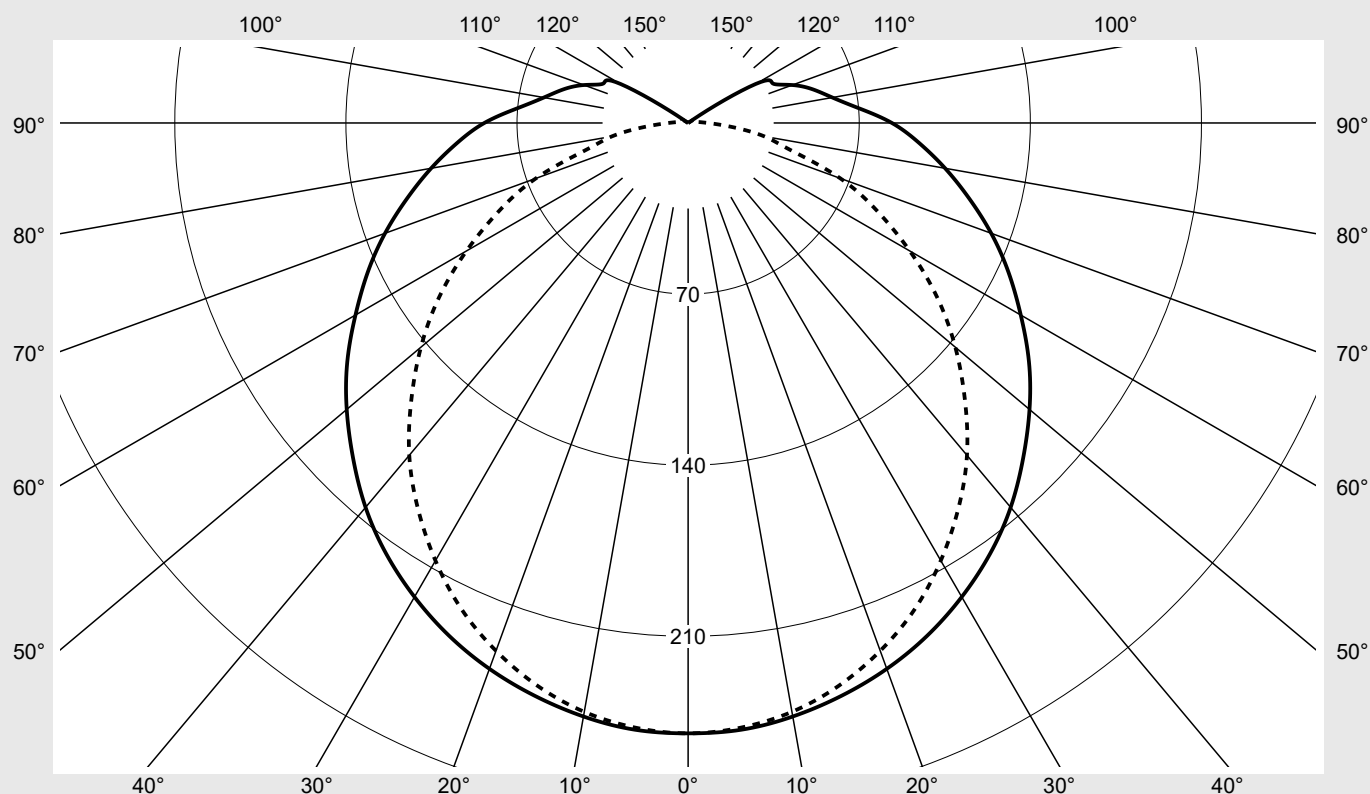
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 250 cd/klm



Klassifizierungen

DIN 5040 B 3 1
CIE N1=39 N2=67 N3=87
N4=89 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 89,0%
 ϕ_o 11,0%

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									
γ								Lichtstrom in lm/klm	
0°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	1.5	1.5
5°	249.2	249.0	248.9	248.9	248.9	248.6	248.3	11.9	13.4
10°	246.5	246.5	246.5	246.0	245.5	245.0	244.6	23.4	36.8
15°	242.6	242.6	242.6	241.2	239.9	239.1	238.3	34.2	71.0
20°	237.6	237.4	237.2	235.0	232.8	231.3	229.8	44.0	114.9
25°	231.4	231.0	230.5	227.1	223.8	221.6	219.4	52.5	167.4
30°	223.9	223.0	222.0	217.4	212.7	209.7	206.7	59.4	226.8
35°	215.3	214.0	212.6	206.8	200.9	196.8	192.7	64.7	291.5
40°	205.3	203.7	202.1	195.0	187.8	182.7	177.5	68.3	359.8
45°	193.8	191.9	190.0	181.6	173.2	166.7	160.1	69.8	429.6
50°	182.3	179.9	177.4	167.8	158.2	150.4	142.7	69.7	499.3
55°	170.2	167.4	164.5	153.6	142.7	133.5	124.4	68.0	567.3
60°	157.1	154.0	150.8	138.5	126.1	115.4	104.7	64.5	631.9
65°	144.6	141.2	137.8	124.2	110.6	98.0	85.5	60.2	692.1
70°	131.9	128.3	124.7	110.2	95.8	81.0	66.3	54.9	746.9
75°	119.0	115.0	111.1	96.0	80.9	62.5	44.0	48.3	795.2
80°	106.8	102.9	99.0	83.5	67.9	49.8	31.7	42.5	837.7
85°	95.0	91.2	87.4	74.0	60.5	39.0	17.4	37.1	874.8
90°	83.4	79.7	76.0	61.4	46.8	27.4	8.1	30.8	905.6
95°	69.9	64.9	59.9	48.7	37.5	20.9	4.4	24.5	930.1
100°	59.9	54.9	50.0	38.0	26.1	14.5	2.9	19.3	949.4
105°	53.0	49.1	45.3	33.5	21.6	12.2	2.8	16.7	966.2
110°	45.4	42.3	39.1	28.4	17.7	10.2	2.7	13.9	980.1
115°	38.2	35.7	33.2	23.7	14.2	8.4	2.5	11.2	991.3
120°	31.9	29.5	27.1	19.0	10.8	6.7	2.5	8.7	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	21,6	23,3	22,0	23,7	24,1	21,1	22,8	21,6	23,2	23,7
	3H	23,6	25,2	24,1	25,6	26,1	22,8	24,4	23,3	24,8	25,3
	4H	24,6	26,1	25,1	26,5	27,0	23,4	24,9	23,9	25,4	25,8
	6H	25,6	26,9	26,1	27,4	27,9	24,0	25,4	24,5	25,8	26,3
	8H	26,1	27,4	26,6	27,9	28,4	24,2	25,5	24,7	26,0	26,5
	12H	26,6	27,7	27,1	28,3	28,8	24,4	25,6	24,9	26,1	26,7
4H	2H	22,3	23,8	22,8	24,2	24,7	22,0	23,4	22,4	23,8	24,3
	3H	24,6	25,8	25,1	26,3	26,9	23,8	25,1	24,3	25,6	26,1
	4H	25,8	26,9	26,3	27,4	28,0	24,7	25,8	25,2	26,3	26,9
	6H	26,9	27,9	27,4	28,4	29,0	25,4	26,4	25,9	26,9	27,5
	8H	27,5	28,4	28,0	29,0	29,6	25,7	26,7	26,3	27,2	27,8
	12H	28,0	28,8	28,6	29,4	30,1	25,9	26,8	26,5	27,4	28,0
8H	4H	26,2	27,1	26,7	27,7	28,3	25,2	26,1	25,8	26,7	27,3
	6H	27,6	28,4	28,1	28,9	29,6	26,2	27,0	26,8	27,6	28,2
	8H	28,3	29,0	28,9	29,6	30,2	26,7	27,4	27,3	28,0	28,7
	12H	28,9	29,6	29,6	30,2	30,9	27,1	27,7	27,7	28,3	29,0
12H	4H	26,2	27,0	26,8	27,6	28,3	25,3	26,1	25,9	26,7	27,4
	6H	27,6	28,3	28,3	29,0	29,6	26,4	27,1	27,0	27,7	28,4
	8H	28,4	29,1	29,1	29,7	30,4	27,0	27,6	27,6	28,2	28,9

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1443 B = 56	H(C0) = 29	H(C180) = 29	H(C90) = 0	H(C270) = 0
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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°	45°	15645.5	15671.3	16067.1	16283.6	16855.5	18005.5	19617.6
50°	50°	15193.5	15185.1	15578.3	15742.2	16292.1	17482.6	19230.7
55°	55°	14777.3	14742.8	15143.7	15231.5	15733.2	16928.2	18785.9
60°	60°	14351.0	14293.8	14707.6	14681.0	15086.5	16230.0	18143.3
65°	65°	14046.7	13963.0	14393.4	14259.2	14580.4	15610.3	17517.8
70°	70°	13793.3	13687.4	14146.7	13915.7	14172.1	14997.9	16787.6
75°	75°	13576.8	13430.6	13909.3	13581.3	13778.5	13932.7	14710.5
80°	80°	13527.4	13376.4	13938.4	13531.8	13724.0	14117.9	15822.2
85°	85°	13643.1	13491.6	14178.6	14176.1	15193.4	15291.1	17273.2

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

