

Lichttechnischer Prüfbefund

Familie
Highbay 11

Bestell-Nr.: 51HL62D14DCA
EAN: 4058352348918

LP-Nummer
58922_6



Ausführung breit strahlend, UGR≤22
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 10020 lm
 Systemleistung = 55.6 W
 Lichtausbeute = 180.2 lm/W

Seriendokumentation
21.05.2019

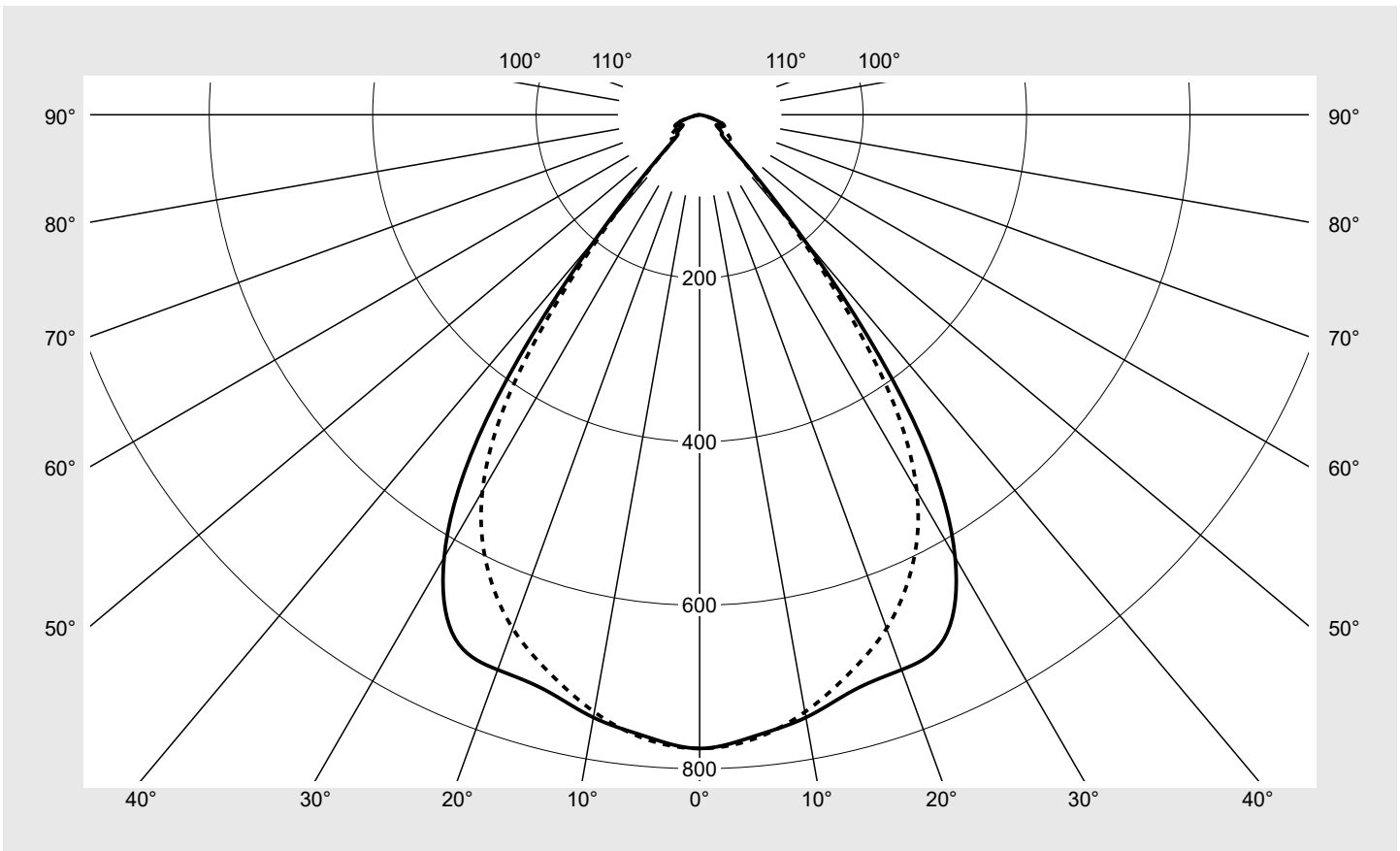
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 775 cd/klm



Klassifizierungen

DIN 5040 A 6 0
 CIE N1=89 N2=96 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
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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	
γ									
0°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	4.6	4.6
5°	763.3	765.5	767.8	768.1	766.5	768.2	766.4	36.6	41.3
10°	748.7	752.6	756.7	755.9	749.0	745.7	741.9	71.5	112.7
15°	728.8	736.6	748.6	748.7	732.9	716.3	707.4	104.1	216.8
20°	722.5	731.1	745.9	741.9	711.6	682.4	668.7	134.6	351.4
25°	707.4	710.1	723.4	713.1	669.4	627.0	613.5	158.4	509.9
30°	625.1	622.7	643.6	650.9	594.8	541.3	531.4	165.9	675.7
35°	454.3	465.0	515.3	546.7	478.1	404.7	385.8	148.3	824.0
40°	194.7	222.6	276.1	324.0	261.7	198.8	171.4	86.1	910.1
45°	52.4	51.4	56.0	64.9	54.8	51.5	51.3	21.3	931.5
50°	36.0	31.0	27.7	34.1	33.7	39.2	46.8	14.5	946.0
55°	27.7	25.7	21.5	23.0	24.8	33.2	42.0	12.2	958.2
60°	24.8	27.6	25.1	19.0	18.2	24.5	32.6	11.3	969.5
65°	33.0	23.0	22.5	18.8	16.0	23.0	31.5	11.2	980.7
70°	25.9	19.0	18.9	17.8	15.3	19.4	28.1	10.1	990.8
75°	12.6	8.9	10.2	12.8	12.0	13.0	13.0	6.1	996.9
80°	3.5	3.2	4.0	5.1	6.3	6.1	5.9	2.6	999.6
85°	0.3	0.3	0.4	0.5	1.1	1.3	1.4	0.4	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	19,1	20,4	19,5	20,7	21,0	18,6	19,9	19,0	20,2	20,5
	3H	19,6	20,7	19,9	21,0	21,4	19,1	20,3	19,5	20,6	21,0
	4H	19,7	20,7	20,1	21,1	21,4	19,4	20,4	19,8	20,8	21,1
	6H	19,7	20,6	20,1	21,0	21,4	19,4	20,4	19,9	20,8	21,1
	8H	19,8	20,5	20,2	20,9	21,3	19,5	20,3	20,0	20,7	21,1
	12H	19,7	20,5	20,2	20,8	21,3	19,5	20,3	19,9	20,7	21,1
4H	2H	19,1	20,1	19,4	20,5	20,8	18,5	19,6	18,9	19,9	20,3
	3H	19,6	20,5	20,0	20,9	21,3	19,2	20,0	19,6	20,4	20,8
	4H	19,8	20,5	20,2	20,9	21,4	19,5	20,2	19,9	20,7	21,1
	6H	19,8	20,4	20,2	20,9	21,3	19,6	20,3	20,1	20,7	21,2
	8H	19,7	20,3	20,2	20,8	21,3	19,6	20,2	20,1	20,7	21,2
	12H	19,8	20,2	20,2	20,7	21,2	19,7	20,1	20,2	20,6	21,1
8H	4H	19,8	20,4	20,2	20,8	21,3	19,5	20,1	20,0	20,6	21,0
	6H	19,8	20,3	20,3	20,7	21,3	19,7	20,2	20,2	20,7	21,2
	8H	19,8	20,2	20,3	20,7	21,2	19,7	20,2	20,2	20,7	21,2
	12H	19,7	20,1	20,3	20,6	21,1	19,8	20,1	20,3	20,6	21,1
12H	4H	19,8	20,3	20,3	20,7	21,2	19,5	20,0	20,0	20,5	21,0
	6H	19,8	20,2	20,3	20,7	21,2	19,7	20,1	20,2	20,6	21,1
	8H	19,8	20,1	20,3	20,6	21,1	19,8	20,1	20,3	20,6	21,1

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

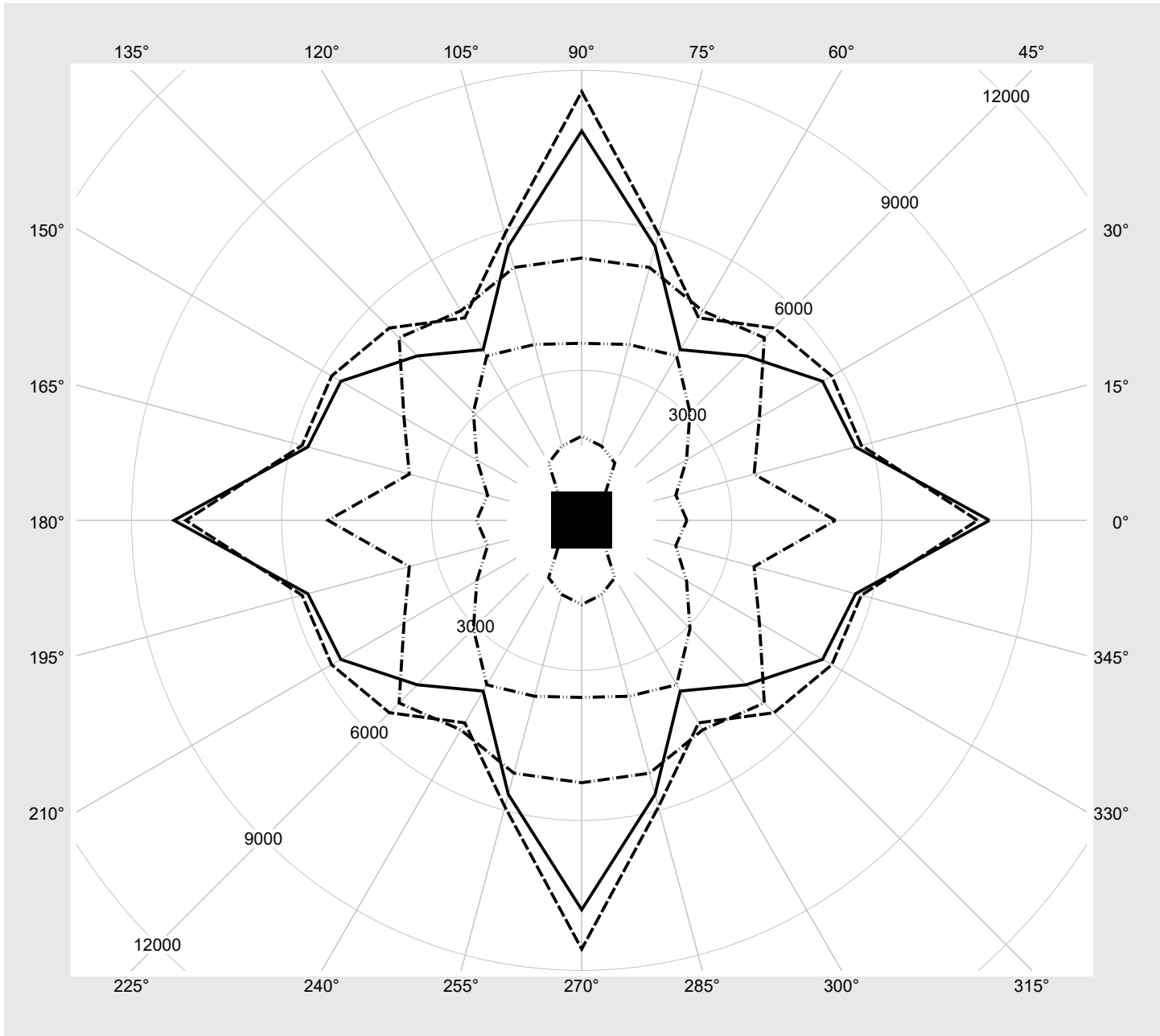
Lichttechnische Abmessungen in mm: L = 300, B = 320

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°		7730.8	7590.0	8266.8	9574.3	8092.5	7606.9	7567.0	
50°		5845.8	5038.9	4505.7	5542.3	5476.9	6362.0	7591.5	
55°		5037.4	4674.3	3910.0	4194.3	4506.0	6036.9	7642.7	
60°		5176.4	5771.3	5238.4	3974.0	3795.7	5118.1	6800.0	
65°		8154.3	5670.0	5562.3	4651.0	3941.4	5671.7	7787.0	
70°		7915.2	5788.8	5774.5	5439.7	4675.8	5932.5	8572.9	
75°		5073.2	3569.0	4102.9	5164.3	4837.7	5234.9	5246.6	
80°		2103.8	1948.1	2421.1	3061.9	3797.6	3641.9	3541.5	
85°		368.9	362.9	425.1	619.1	1324.5	1536.5	1685.0	

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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	10020	55.6
95	241	252	9519	52.7
90	228	250	9018	49.9
85	215	248	8517	47.1
80	202	246	8016	44.6
75	189	243	7515	41.8
70	176	241	7014	39.1
65	163	238	6513	36.4
60	151	235	6012	33.8
55	138	232	5511	31.1
50	125	228	5010	28.5
45	113	225	4509	26.0
40	100	220	4008	23.4
35	88	215	3507	20.8
30	76	210	3006	18.3
25	63	204	2505	15.8
20	51	196	2004	13.2
15	39	186	1503	10.7
10	27	172	1001	8.2