

Lichttechnischer Prüfbefund

Familie
Highbay 21

Bestell-Nr.: 51HLA2D26MCB
EAN: 4058352417997

LP-Nummer
58922_22



Ausführung breit strahlend, UGR≤22
Bestückung LED 6500 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 26640 lm
Systemleistung = 171.1 W
Lichtausbeute = 155.7 lm/W

Seriendokumentation
01.07.2020

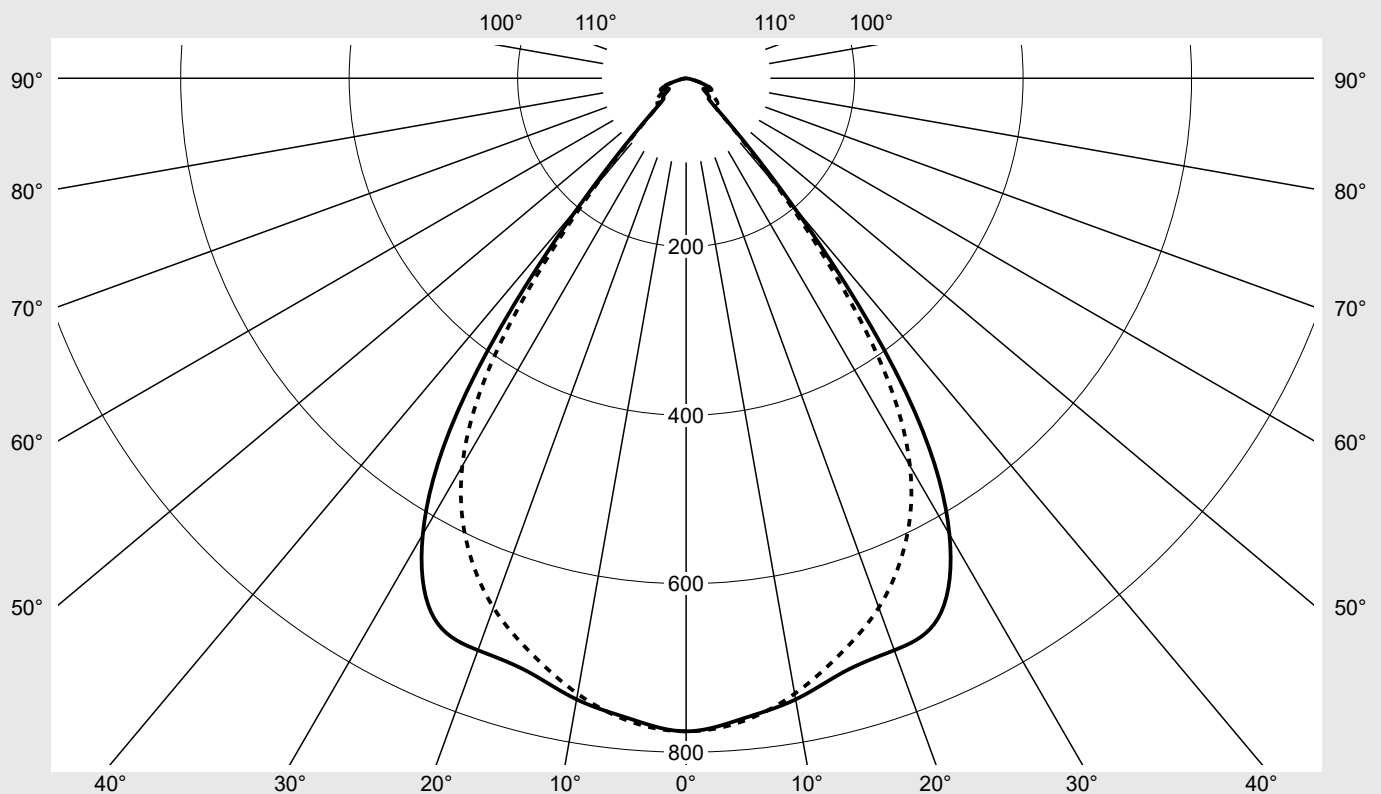
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Lichtstärke in cd/klm

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

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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	20,1	21,4	20,5	21,7	22,0	19,6	20,9	20,0	21,2	21,5
	3H	20,5	21,7	20,9	22,0	22,4	20,1	21,3	20,5	21,6	21,9
	4H	20,7	21,7	21,1	22,1	22,4	20,3	21,4	20,7	21,7	22,1
	6H	20,7	21,6	21,1	22,0	22,4	20,4	21,4	20,8	21,7	22,1
	8H	20,7	21,5	21,2	21,9	22,3	20,5	21,3	20,9	21,7	22,1
	12H	20,7	21,4	21,1	21,8	22,3	20,5	21,2	20,9	21,6	22,1
4H	2H	20,0	21,1	20,4	21,4	21,8	19,5	20,6	19,9	20,9	21,3
	3H	20,6	21,5	21,0	21,8	22,3	20,2	21,0	20,6	21,4	21,8
	4H	20,7	21,5	21,2	21,9	22,4	20,5	21,2	20,9	21,6	22,1
	6H	20,8	21,4	21,2	21,8	22,3	20,6	21,3	21,1	21,7	22,2
	8H	20,7	21,3	21,2	21,8	22,2	20,6	21,2	21,1	21,7	22,2
	12H	20,7	21,2	21,2	21,7	22,2	20,7	21,1	21,2	21,6	22,1
8H	4H	20,8	21,4	21,2	21,8	22,3	20,5	21,1	21,0	21,5	22,0
	6H	20,8	21,3	21,3	21,7	22,2	20,7	21,2	21,2	21,7	22,2
	8H	20,7	21,2	21,2	21,7	22,2	20,7	21,2	21,2	21,6	22,2
	12H	20,7	21,1	21,3	21,6	22,1	20,7	21,1	21,3	21,6	22,1
12H	4H	20,8	21,3	21,3	21,7	22,2	20,5	21,0	21,0	21,5	22,0
	6H	20,8	21,2	21,3	21,7	22,2	20,7	21,1	21,2	21,6	22,1
	8H	20,8	21,1	21,3	21,6	22,1	20,7	21,1	21,3	21,6	22,1

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 600 B = 320
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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°		10276.9	10089.7	10989.4	12727.6	10757.7	10112.1	10059.1
50°		7771.1	6698.5	5989.6	7367.6	7280.6	8457.3	10091.7
55°		6696.4	6213.8	5197.8	5575.6	5990.0	8025.1	10159.7
60°		6881.2	7672.0	6963.6	5282.8	5045.8	6803.7	9039.6
65°		10839.8	7537.4	7394.2	6182.7	5239.5	7539.6	10351.6
70°		10522.1	7695.3	7676.2	7231.2	6215.8	7886.4	11396.3
75°		6744.0	4744.4	5454.2	6865.2	6430.9	6959.0	6974.5
80°		2796.6	2589.7	3218.5	4070.3	5048.3	4841.3	4707.9
85°		490.3	482.4	565.2	823.1	1760.7	2042.5	2239.9

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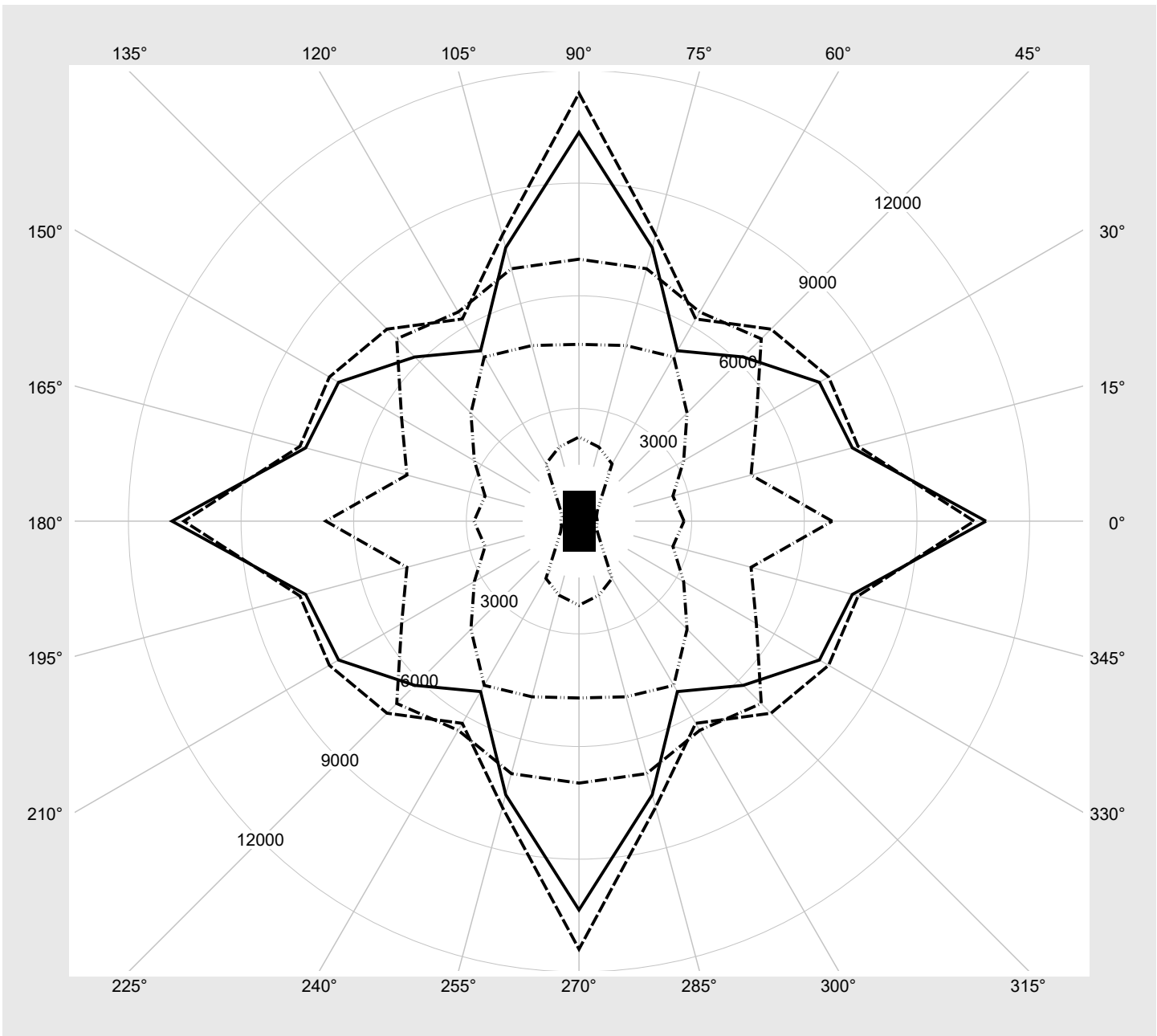
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Leuchtdichten in cd/m²

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	26640	171.1
95	240	252	25298	161.2
90	227	250	24019	152.0
85	213	248	22642	142.3
80	200	245	21347	133.3
75	186	243	19941	123.5
70	173	240	18616	114.7
65	160	237	17282	105.7
60	148	234	16028	97.5
55	135	231	14666	88.7
50	122	227	13288	79.9
45	110	223	12004	71.8
40	97	219	10605	63.2
35	85	214	9306	55.1
30	73	208	7992	47.2
25	61	202	6670	39.4
20	49	194	5335	31.5
15	37	183	3990	23.7
10	25	169	2634	16.0
5	14	148	1382	8.9
1	5	110	352	3.2