

Lichttechnischer Prüfbefund

Familie
Highbay 11

Bestell-Nr.: 51HL62D24HCA + 59HL91001
EAN: 4058352348932 + 4058352323519

LP-Nummer
58924_6

Ausführung breit strahlend, UGR≤22,
Einscheibensicherheitsglas (ESG)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 19120 lm
Systemleistung = 111.2 W
Lichtausbeute = 171.9 lm/W

Seriendokumentation
13.06.2019

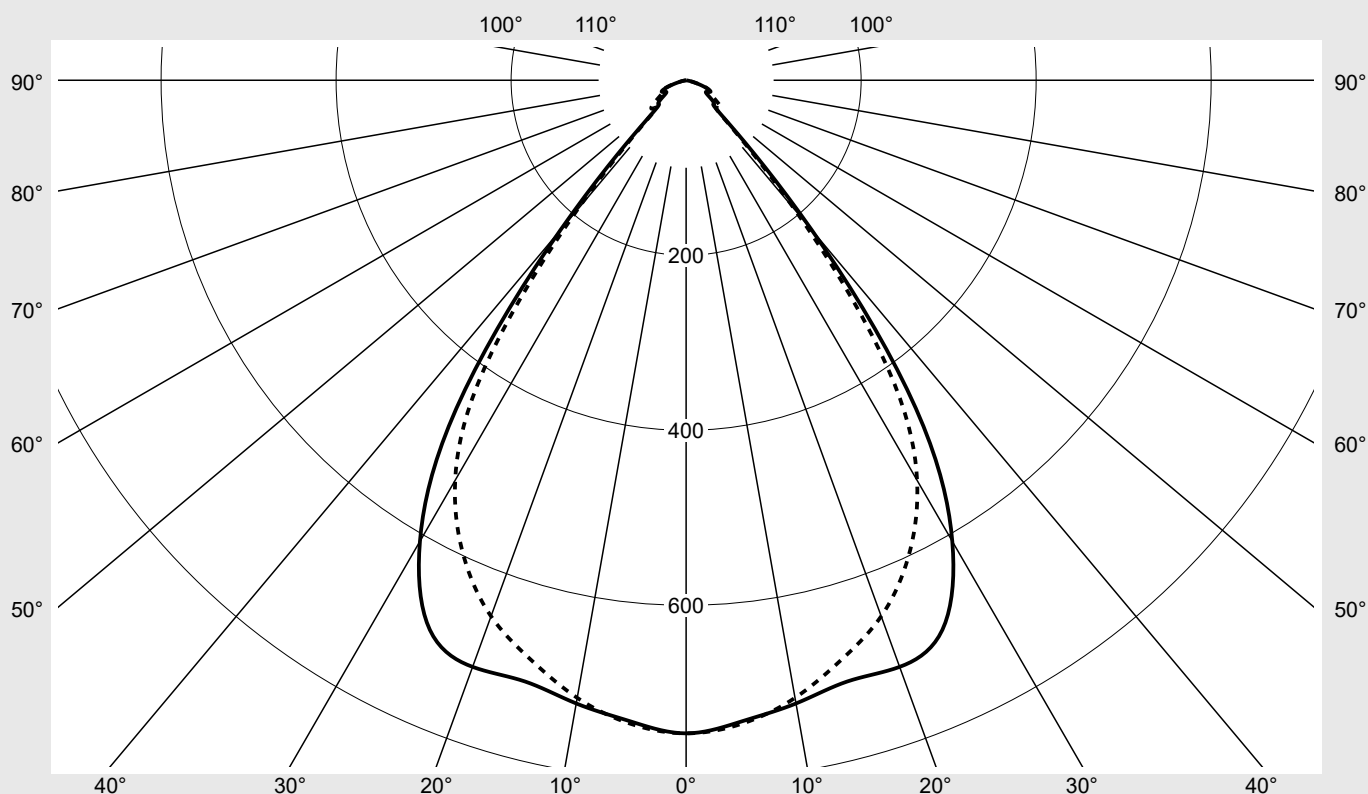
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 746 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=88 N2=97 N3=100
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HL62D24HCA + 59HL91001 EAN: 4058352348932 + 4058352323519	LP-Nummer 58924_6
------------------------------	---	-----------------------------



Wertetabelle Lichtstärkemessung	Maximale Lichtstärke
--	-----------------------------

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°	746.3	746.3	746.3	746.3	746.3	746.3	746.3	4.5	4.5
5°	735.3	737.5	739.7	739.9	738.3	739.6	738.0	35.3	39.7
10°	723.2	726.6	729.4	728.5	722.4	719.9	716.7	69.0	108.7
15°	711.3	717.1	725.5	723.9	708.1	693.6	685.6	100.9	209.6
20°	713.4	718.0	728.3	720.4	690.5	663.2	651.9	131.3	340.9
25°	693.0	694.9	704.2	693.3	653.0	614.7	601.0	154.7	495.6
30°	608.4	605.8	624.6	634.7	585.4	537.6	527.9	162.4	658.1
35°	457.7	465.3	511.3	544.0	482.6	417.8	402.1	149.4	807.5
40°	223.2	249.0	306.2	349.8	284.7	219.8	194.6	95.0	902.5
45°	63.3	67.7	80.1	90.2	68.6	60.3	58.8	27.6	930.1
50°	41.6	37.0	34.8	39.2	39.3	44.2	50.6	16.8	947.0
55°	31.4	29.8	26.5	27.8	29.3	36.0	43.6	14.0	961.0
60°	26.5	29.7	26.3	21.9	21.3	25.9	33.0	12.2	973.2
65°	30.8	23.4	22.4	19.4	17.1	22.6	29.4	11.2	984.4
70°	22.6	17.1	16.5	15.8	14.1	17.3	23.9	8.9	993.3
75°	9.7	7.3	8.1	9.4	9.5	10.1	9.9	4.8	998.1
80°	2.5	2.3	2.6	3.2	3.7	3.7	3.7	1.7	999.8
85°	0.2	0.2	0.3	0.3	0.6	0.6	0.7	0.2	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

Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HL62D24HCA + 59HL91001 EAN: 4058352348932 + 4058352323519	LP-Nummer 58924_6
------------------------------	---	-----------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,4	20,7	19,7	21,0	21,3	18,9	20,2	19,3	20,5	20,9
	3H	19,7	20,8	20,1	21,2	21,5	19,3	20,4	19,7	20,8	21,1
	4H	19,8	20,8	20,1	21,2	21,5	19,4	20,4	19,8	20,8	21,2
	6H	19,7	20,7	20,1	21,0	21,4	19,4	20,3	19,8	20,7	21,1
	8H	19,8	20,6	20,2	21,0	21,4	19,5	20,3	19,9	20,7	21,1
	12H	19,8	20,5	20,2	20,9	21,3	19,4	20,2	19,9	20,6	21,0
4H	2H	19,3	20,4	19,7	20,7	21,1	18,9	19,9	19,3	20,3	20,6
	3H	19,7	20,6	20,1	21,0	21,4	19,3	20,2	19,7	20,6	21,0
	4H	19,8	20,5	20,2	21,0	21,4	19,5	20,2	19,9	20,6	21,1
	6H	19,7	20,4	20,2	20,8	21,3	19,5	20,1	19,9	20,6	21,0
	8H	19,7	20,3	20,2	20,7	21,2	19,5	20,0	19,9	20,5	21,0
	12H	19,7	20,2	20,2	20,7	21,2	19,5	19,9	20,0	20,4	20,9
8H	4H	19,7	20,3	20,2	20,8	21,3	19,4	20,0	19,9	20,5	21,0
	6H	19,7	20,2	20,2	20,7	21,2	19,5	19,9	20,0	20,4	20,9
	8H	19,6	20,1	20,2	20,6	21,1	19,4	19,9	19,9	20,3	20,9
	12H	19,6	20,0	20,2	20,5	21,0	19,4	19,8	20,0	20,3	20,8
12H	4H	19,7	20,2	20,2	20,7	21,2	19,4	19,9	19,9	20,4	20,9
	6H	19,7	20,1	20,2	20,6	21,1	19,5	19,8	20,0	20,3	20,9
	8H	19,6	20,0	20,2	20,5	21,0	19,4	19,8	20,0	20,3	20,8

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 590 B = 312
--	--

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°		9301.3	9940.3	11772.3	13256.5	10075.0	8855.8	8631.9
50°		6727.3	5981.9	5615.4	6336.3	6356.9	7148.7	8171.3
55°		5683.5	5391.0	4797.2	5027.2	5302.8	6521.9	7894.4
60°		5501.3	6163.1	5461.2	4559.6	4426.2	5372.3	6853.6
65°		7559.5	5745.9	5499.9	4772.2	4211.1	5551.0	7225.0
70°		6851.8	5185.8	5018.8	4784.0	4295.7	5261.7	7253.6
75°		3886.7	2940.8	3238.6	3788.4	3811.7	4056.5	3960.2
80°		1493.6	1356.0	1577.9	1934.4	2220.3	2220.9	2229.9
85°		264.6	268.1	306.3	404.0	659.0	719.8	790.1

Lichttechnischer Prüfbefund

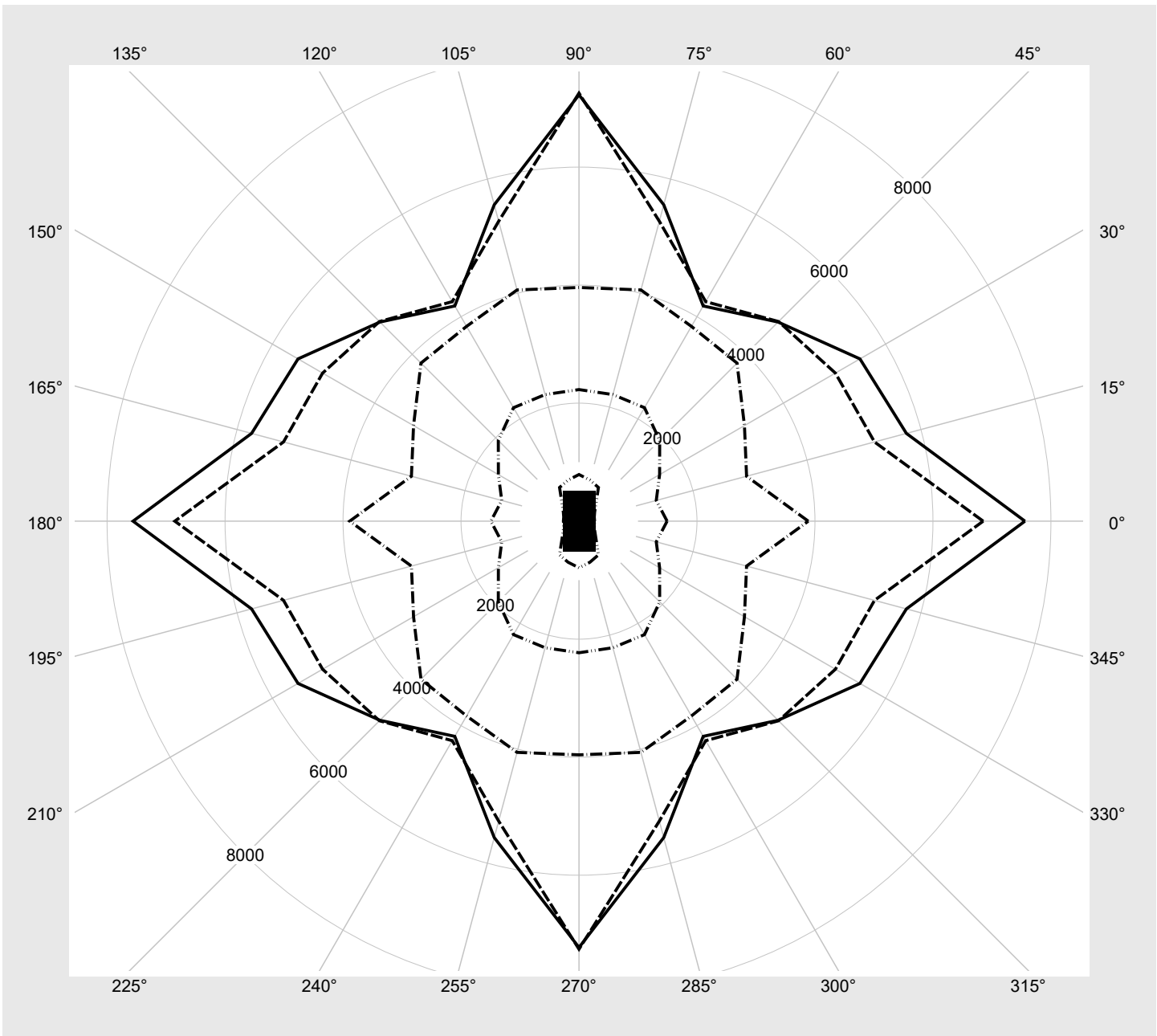
Familie
Highbay 11

Bestell-Nr.: 51HL62D24HCA + 59HL91001
EAN: 4058352348932 + 4058352323519

LP-Nummer
58924_6

Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Lichttechnischer Prüfbefund

Familie Highbay 11	Bestell-Nr.: 51HL62D24HCA + 59HL91001 EAN: 4058352348932 + 4058352323519	LP-Nummer 58924_6
Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	19120	111.2
95	241	252	18164	105.5
90	228	250	17208	100.0
85	215	248	16252	94.3
80	202	246	15296	89.0
75	189	244	14340	83.5
70	176	241	13384	78.2
65	163	239	12428	73.0
60	151	236	11472	67.5
55	138	233	10516	62.3
50	125	230	9560	57.1
45	113	226	8604	51.9
40	100	222	7648	47.0
35	88	218	6692	41.5
30	76	213	5736	36.5
25	63	208	4780	31.6
20	51	202	3824	26.6
15	39	194	2868	21.5
10	27	184	1911	16.4