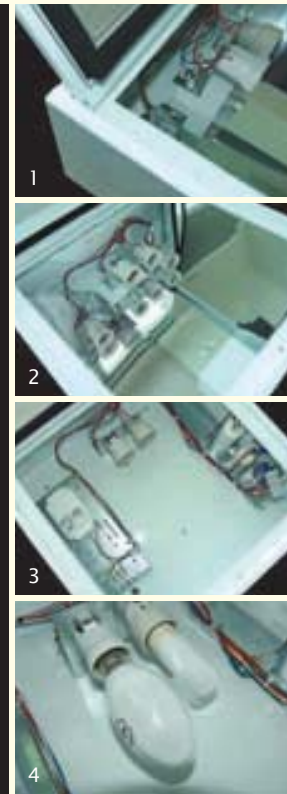
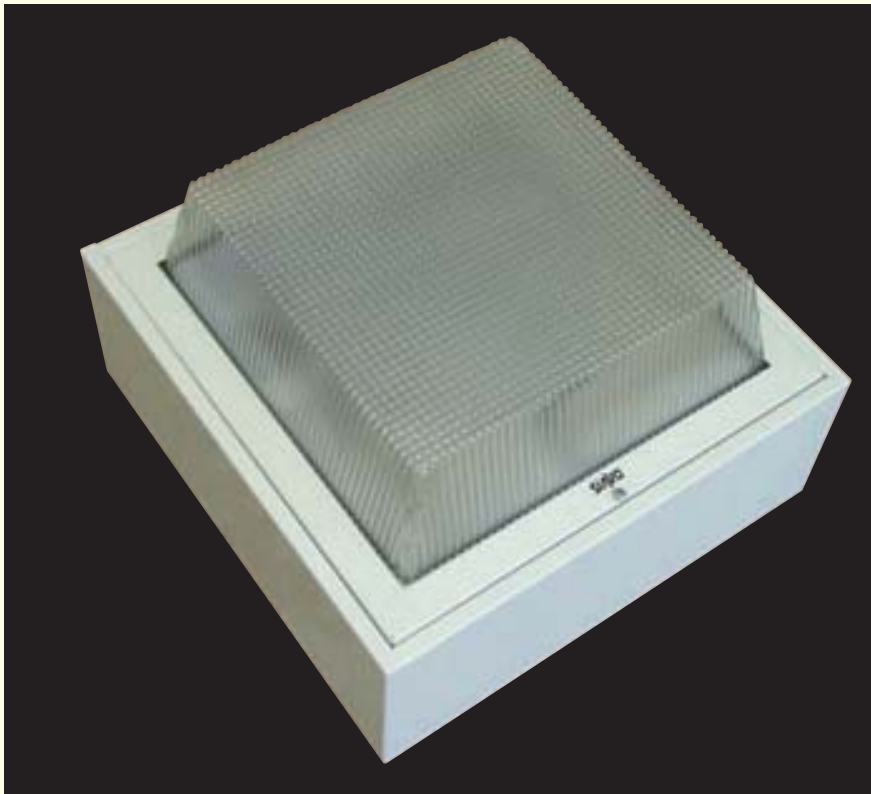


BIANCA JUNIOR - DEEP DROP DIFFUSER



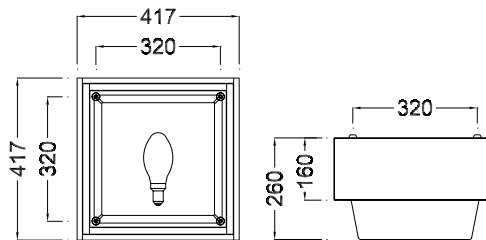
FEATURES

- 1 Neoprene rubber gasketed & hinged diffuser frame.
 - 2 Internal specular aluminium reflectors which can be individually removed for control gear access
 - 3 All control equipment is gear tray mounted. Gear trays are 1.2mm galvanized steel
 - 4 The luminaire is supplied standard with pre-wiring to allow future on site fitting of a standby relay & lamp. The luminaire may also be ordered complete with the standby relay & lamp. After switch-on, or momentary loss of supply voltage, HID lamps take several minutes before full luminous output, or re-strike is achieved. In some applications, it is important to have some degree of instant light. The function of the relay is to provide instant light from the tungsten halogen standby lamp until the HID lamp is approximately 70% - 75% of full output, at which time the relay switches off the standby lamp. This is also the case in the event of a momentary loss of supply voltage. Should the HID lamp fail to strike, the standby lamp will remain on indefinitely.
- Surface mounting luminaire. The luminaire may be recessed mounted in plaster ceilings with the use of the Davis PFBJ plaster frame.
 - Powder coated white, 1mm thick steel body and diffuser frame
 - E27 Lamp holder
 - 25mm diameter rear cable entry hole
 - UV stabilized polycarbonate deep drop diffuser
 - Optional pyramid & shallow drop diffusers available
 - Supplied with integral or optional remote control gear

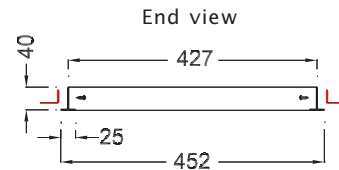
APPLICATION

- Undercover car park
- showrooms
- display areas
- multi-sports halls

DIMENSIONS



PFBJ PLASTER FRAME FOR RECESSED MODELS



cut out size 432 X 432

For mounting details see general catalogue page G1
Bianca Jr weight 9.6kg (maximum)

BIANCA JUNIOR - DEEP DROP DIFFUSER



Manufactured to standards – IEC60598.1
IEC60598.2.1
IEC60598.2.2
CISPR15



*"When your
business
depends
on light."*

Model No.	Type
BIJS80MVD	Mercury Vapour
BIJS125MVD	Mercury Vapour
BIJS70MHD	Metal Halide
BIJS100MHD	Metal Halide
BIJS150MHD	Metal Halide
BIJS70SD	High Pressure Sodium
BIJS100SD	High Pressure Sodium

Single ended E27 lamps (BIJS100SD Single ended E40 lamp)
Stand by lamp Osram halolux 644781M 150w TH E27 coated

Options
P Pyramid diffuser (Replaces D in model number)
S Shallow diffuser (Replaces D in model number)
RC Remote Control (first suffix after model number)
TH150 150w Tungsten Halogen standby lamp & relay (second suffix after model number)

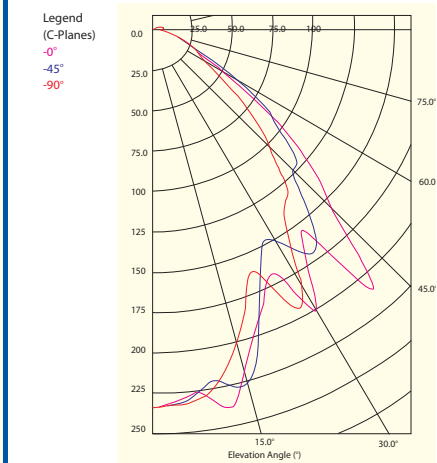
Example: BIJS150MHRCTH150

BIANCA JUNIOR HPS

70w clear lamp

POLAR CURVE

cd/1000lms 1 Max 236cd in CO plane at 10° gamma



Legend (C-Planes)
-0°
-45°
-90°

C0 Plane
C45 Plane
C90 Plane

CIE Aiming Convention
CO Plane across the lamp

LUMINOUS INTENSITY TABLE (cd/1000lms)

γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	234	234	234	234	234
5.0	229	228	230	230	232
10.0	236	231	218	221	223
15.0	218	221	228	201	200
20.0	191	194	191	187	169
25.0	168	169	157	189	174
30.0	208	182	148	192	188
35.0	163	155	170	145	141
40.0	221	141	153	122	132
45.0	157	141	122	101	102
50.0	126	120	112	87	80
55.0	86	93	90	64	54
60.0	49	57	59	42	37
65.0	32	32	33	31	30
70.0	23	23	23	25	24
75.0	16	17	17	18	19
80.0	13	13	12	14	14
85.0	7	9	8	9	8
90.0	4	5	5	5	4

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE

γ Gamma	C0	C45	C90
45.0	1572	1115	1022
55.0	965	905	607
65.0	432	382	400
75.0	276	234	314
85.0	178	148	185

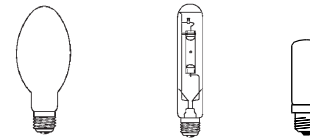
Luminance in cd/m²/1000lms

Lamp types

Coated or clear elliptical

Clear tubular

Stand by lamp



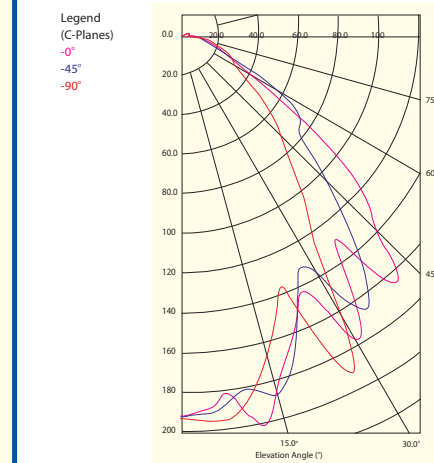
BIANCA JUNIOR METAL HALIDE

70w, 100w, 150w clear lamp

Photometric data applies to all three models

POLAR CURVE

cd/1000lms 1 Max 193cd in CO plane at 0° gamma



Legend (C-Planes)
-0°
-45°
-90°

C0 Plane
C45 Plane
C90 Plane

CIE Aiming Convention
CO Plane across the lamp

LUMINOUS INTENSITY TABLE (cd/1000lms)

γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	193	193	193	193	193
5.0	189	192	192	194	196
10.0	193	185	180	188	189
15.0	187	191	189	169	168
20.0	163	171	170	160	144
25.0	140	147	140	183	182
30.0	181	155	138	180	161
35.0	142	140	169	120	114
40.0	166	123	137	94	88
45.0	137	120	104	78	72
50.0	117	104	77	66	59
55.0	79	82	75	50	43
60.0	44	48	57	37	33
65.0	29	29	32	31	30
70.0	21	21	20	25	25
75.0	16	16	16	18	19
80.0	13	13	12	13	13
85.0	8	8	8	8	7
90.0	4	5	5	5	4

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE

γ Gamma	C0	C45	C90
45.0	1373	953	725
55.0	888	752	482
65.0	381	366	402
75.0	263	219	317
85.0	181	143	174

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

LOR: 52.7%				SHR NOM: 1.5 : 1.0					SHR MAX: 1.6 : 1.0				
Reflectance				Room Index (K)									
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00		
0.70	0.50	0.20	0.33	0.37	0.41	0.43	0.46	0.48	0.50	0.51	0.53		
0.70	0.30	0.20	0.30	0.34	0.38	0.40	0.43	0.46	0.47	0.50	0.51		
0.70	0.10	0.20	0.27	0.31	0.35	0.38	0.41	0.44	0.46	0.48	0.50		
0.50	0.50	0.20	0.32	0.36	0.39	0.41	0.44	0.46	0.47	0.49	0.50		
0.50	0.30	0.20	0.29	0.33	0.37	0.39	0.42	0.44	0.46	0.48	0.49		
0.50	0.10	0.20	0.27	0.31	0.34	0.37	0.40	0.43	0.44	0.46	0.48		
0.30	0.50	0.20	0.31	0.35	0.38	0.40	0.43	0.44	0.46	0.47	0.48		
0.30	0.30	0.20	0.29	0.33	0.36	0.38	0.41	0.43	0.44	0.46	0.47		
0.30	0.10	0.20	0.27	0.31	0.34	0.36	0.39	0.41	0.43	0.45	0.46		
0.00	0.00	0.00	0.26	0.29	0.32	0.35	0.37	0.39	0.41	0.42	0.43		
Distribution Factors	Floor: Walls: Ceiling:	Floor:	0.26	0.29	0.32	0.35	0.37	0.39	0.41	0.42	0.43		
		Walls:	0.23	0.20	0.17	0.14	0.12	0.10	0.08	0.07	0.05		
		Ceiling:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
Bz Numbers			2	3	3	3	3	3	3	3	3		

UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

LOR: 47.1%				SHR NOM: 1.5 : 1.0				SHR MAX: 1.55 : 1.0			
Reflectance				Room Index (K)							
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.29	0.32	0.35	0.37	0.40	0.42	0.43	0.45	0.46
0.70	0.30	0.20	0.26	0.29	0.33	0.35	0.38	0.40	0.41	0.43	0.44
0.70	0.10	0.20	0.24	0.27	0.30	0.33	0.36	0.38	0.39	0.42	0.43
0.50	0.50	0.20	0.28	0.31	0.34	0.36	0.38	0.40	0.41	0.43	0.44
0.50	0.30	0.20	0.26	0.29	0.32	0.34	0.36	0.38	0.40	0.41	0.42
0.50	0.10	0.20	0.24	0.27	0.30	0.32	0.35	0.37	0.38	0.40	0.42
0.30	0.50	0.20	0.27	0.30	0.33	0.35	0.37	0.38	0.39	0.41	0.42
0.30	0.30	0.20	0.25	0.28	0.31	0.33	0.35	0.37	0.38	0.40	0.41
0.30	0.10	0.20	0.23	0.27	0.29	0.31	0.34	0.36	0.37	0.39	0.40
0.00	0.00	0.00	0.22	0.25	0.28	0.30	0.32	0.34	0.35	0.37	0.38
Distribution Factors	Floor:	0.22	0.25	0.28	0.30	0.32	0.34	0.35	0.37	0.38	
	Walls:	0.20	0.17	0.14	0.13	0.10	0.08	0.07	0.06	0.05	
	Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Bz Numbers			2	3	3	3	3	3	3	3	3

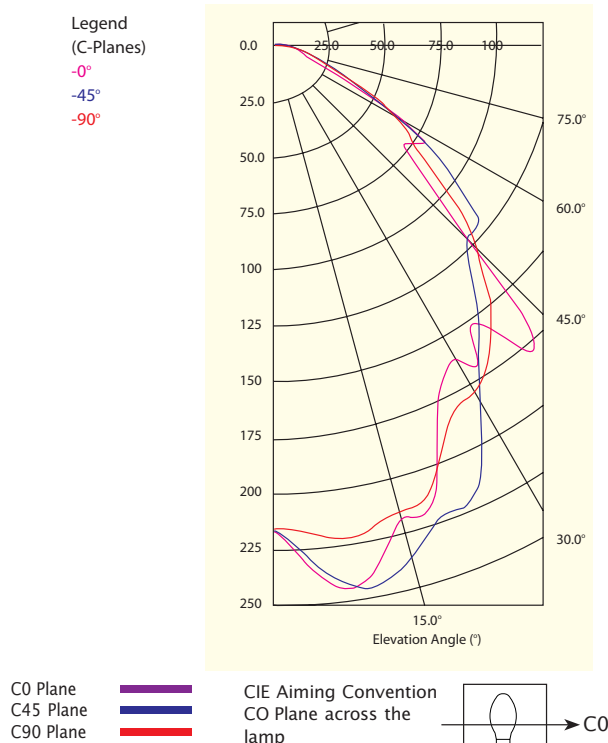
BIANCA JUNIOR IN STAND BY MODE

150w tungsten halogen coated lamp

Osram Halolux 644781M. Luminous flux 2400 lumens.

POLAR CURVE

cd/1000lms 1 Max 242cd in CO plane at 10° gamma



LUMINOUS INTENSITY TABLE (cd/1000lms)

γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	215	215	215	215	215
5.0	238	237	234	227	219
10.0	242	244	246	236	222
15.0	217	224	237	236	214
20.0	213	223	222	232	208
25.0	172	188	217	211	184
30.0	160	171	184	199	178
35.0	150	166	159	186	167
40.0	181	152	138	162	151
45.0	121	142	121	139	127
50.0	84	83	120	110	101
55.0	75	65	92	78	76
60.0	65	71	63	62	63
65.0	32	48	43	44	42
70.0	19	25	28	25	24
75.0	13	16	16	20	18
80.0	12	12	11	15	14
85.0	9	9	8	10	9
90.0	6	7	6	7	5

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE

γ Gamma	C0	C45	C90
45.0	1569	1571	1651
55.0	1205	1469	1209
65.0	697	932	911
75.0	478	575	652
85.0	980	895	929

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

LOR: 47.7%				SHR NOM: 1.25 : 1.0				SHR MAX: 1.37 : 1.0			
Reflectance				Room Index (K)							
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.30	0.35	0.38	0.40	0.44	0.46	0.47	0.49	0.50
0.70	0.30	0.20	0.27	0.32	0.35	0.38	0.41	0.43	0.45	0.47	0.48
0.70	0.10	0.20	0.25	0.29	0.33	0.35	0.39	0.41	0.43	0.46	0.47
0.50	0.50	0.20	0.30	0.34	0.37	0.39	0.42	0.44	0.45	0.47	0.48
0.50	0.30	0.20	0.27	0.31	0.34	0.37	0.40	0.42	0.43	0.45	0.47
0.50	0.10	0.20	0.24	0.29	0.32	0.35	0.38	0.40	0.42	0.44	0.46
0.30	0.50	0.20	0.29	0.33	0.36	0.38	0.41	0.42	0.43	0.45	0.46
0.30	0.30	0.20	0.26	0.31	0.34	0.36	0.39	0.41	0.42	0.44	0.45
0.30	0.10	0.20	0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44
0.00	0.00	0.00	0.23	0.28	0.31	0.33	0.36	0.37	0.39	0.41	0.42
Distribution Factors	Floor:		0.23	0.28	0.31	0.33	0.36	0.37	0.39	0.41	0.42
	Walls:		0.24	0.19	0.16	0.14	0.11	0.10	0.08	0.06	0.05
	Ceiling:		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bz Numbers			3	3	3	3	3	3	3	3	3

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Lighting designs on request
IES files on request or available on Davis website

Website: www.davislighting.com

Email: sales@davislighting.com

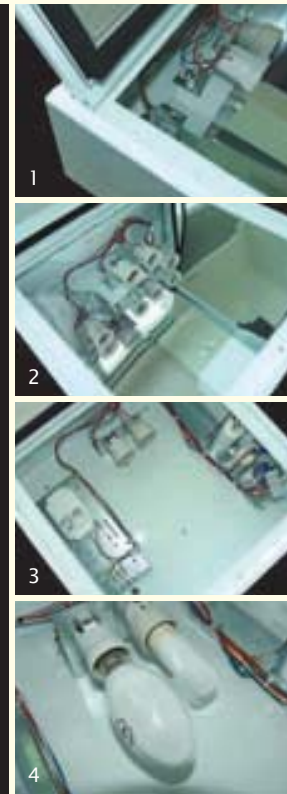
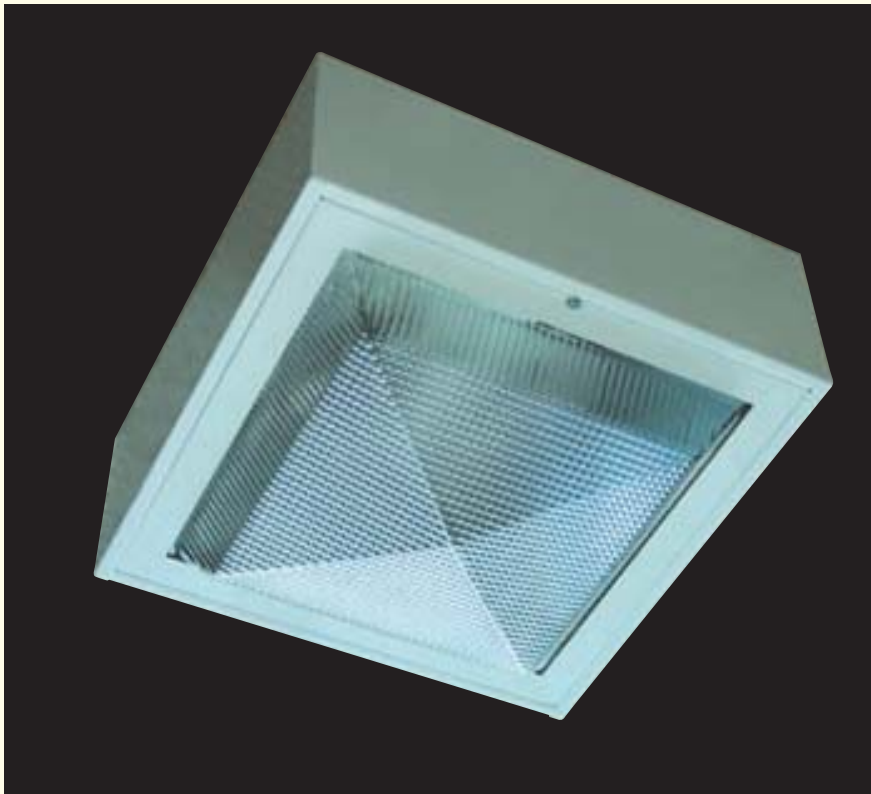
Davis Lighting is a registered trade name

Davis Lighting reserves the right to change specifications and materials without prior notice.
Materials and components may vary from region to region.



"When your
business
depends
on light."

BIANCA JUNIOR - PYRAMID DIFFUSER



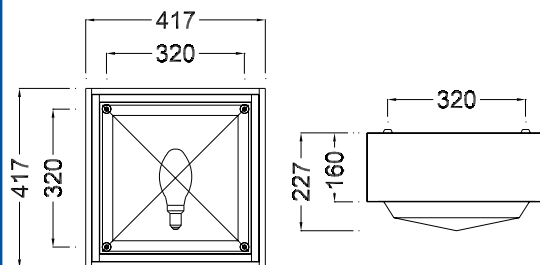
FEATURES

- 1 Neoprene rubber gasketed & hinged diffuser frame.
 - 2 Internal specular aluminium reflectors which can be individually removed for control gear access
 - 3 All control equipment is gear tray mounted. Gear trays are 1.2mm galvanized steel
 - 4 The luminaire is supplied standard with pre-wiring to allow future on site fitting of a standby relay & lamp. The luminaire may also be ordered complete with the standby relay & lamp. After switch-on, or momentary loss of supply voltage, HID lamps take several minutes before full luminous output, or re-strike is achieved. In some applications, it is important to have some degree of instant light. The function of the relay is to provide instant light from the tungsten halogen standby lamp until the HID lamp is approximately 70% - 75% of full output, at which time the relay switches off the standby lamp. This is also the case in the event of a momentary loss of supply voltage. Should the HID lamp fail to strike, the standby lamp will remain on indefinitely.
- Surface mounting luminaire. The luminaire may be recessed mounted in plaster ceilings with the use of the Davis PFBJ plaster frame.
 - Powder coated white, 1mm thick steel body and diffuser frame
 - E27 Lamp holder
 - 25mm diameter rear cable entry hole
 - UV stabilized polycarbonate pyramid diffuser
 - Optional shallow & deep drop diffusers available
 - Supplied with integral or optional remote control gear

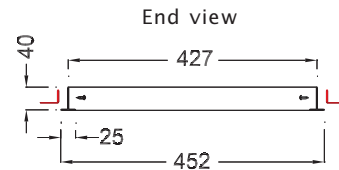
APPLICATION

- Undercover car park
- showrooms
- display areas
- multi-sports halls

DIMENSIONS



PFBJ PLASTER FRAME FOR RECESSED MODELS



cut out size 432 X 432

For mounting details see general catalogue page G1
Bianca Jr weight 9.6kg (maximum)

BIANCA JUNIOR - PYRAMID DIFFUSER



Manufactured to standards – IEC60598.1
IEC60598.2.1
IEC60598.2.2
CISPR15



"When your
business
depends
on light."

Model No.	Type	Options
BIJS80MVP	Mercury Vapour	S Shallow drop diffuser (Replaces P in model number)
BIJS125MVP	Mercury Vapour	D Deep drop diffuser (Replaces P in model number)
BIJS70MHP	Metal Halide	RC Remote Control (first suffix after model number)
BIJS100MHP	Metal Halide	TH150 150w Tungsten Halogen standby lamp & relay (second suffix after model number)
BIJS150MHP	Metal Halide	
BIJS70SP	High Pressure Sodium	
BIJS100SP	High Pressure Sodium	

Single ended E27 lamps (BIJS100SP Single ended E40 lamp)
Stand by lamp Osram halolux 644781M 150w TH E27 coated

Example: BIJS150MHSRCTH150

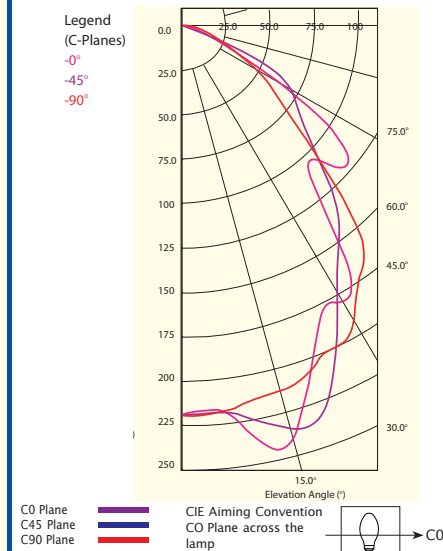
BIANCA JUNIOR METAL HALIDE

70w, 100w, 150w coated lamp

Photometric data applies to all three models

POLAR CURVE

cd/1000lms 1 Max 242cd in CO plane at 15° gamma

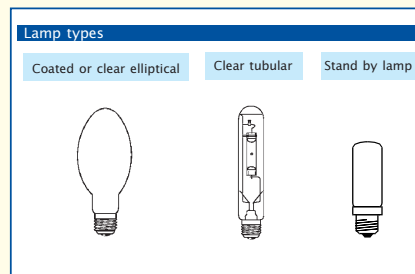


LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	218	218	218	218	218
5.0	215	216	218	219	219
10.0	234	230	224	218	214
15.0	242	239	234	220	212
20.0	210	216	232	222	208
25.0	182	187	204	212	200
30.0	180	170	175	200	193
35.0	163	165	153	169	173
40.0	112	120	137	149	158
45.0	104	95	112	118	114
50.0	122	107	91	84	81
55.0	105	106	78	66	64
60.0	60	72	71	52	50
65.0	31	37	52	37	33
70.0	20	21	29	24	22
75.0	13	15	15	18	16
80.0	11	11	10	13	13
85.0	8	9	7	9	8
90.0	5	6	6	6	5

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45.0	1350	1452	1482
55.0	1674	1250	1030
65.0	674	1128	727
75.0	462	539	577
85.0	857	765	851

Luminance in cd/m²/1000lms



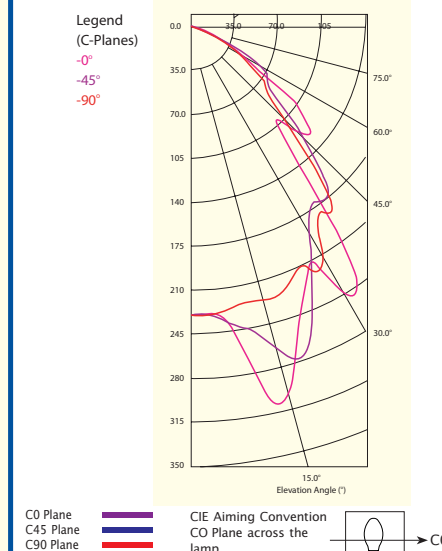
BIANCA JUNIOR METAL HALIDE

70w, 100w, 150w clear lamp

Photometric data applies to all three models

POLAR CURVE

cd/1000lms 1 Max 305cd in CO plane at 15° gamma



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	229	229	229	229	229
5.0	228	231	231	230	229
10.0	269	253	242	232	223
15.0	305	292	266	240	225
20.0	251	254	275	249	222
25.0	219	219	228	229	207
30.0	248	200	190	230	213
35.0	218	221	170	183	178
40.0	117	130	173	163	167
45.0	117	94	132	111	107
50.0	123	115	90	79	78
55.0	98	99	74	68	66
60.0	41	50	67	49	46
65.0	27	28	44	31	29
70.0	19	19	22	21	20
75.0	13	15	13	17	16
80.0	11	11	10	13	13
85.0	8	9	7	9	8
90.0	5	6	6	6	5

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45.0	1519	1712	1393
55.0	1577	1192	1052
65.0	586	960	640
75.0	459	472	575
85.0	849	773	879

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

LOR: 50.2%				SHR NOM: 1.25 : 1.0				SHR MAX: 1.31 : 1.0			
Reflectance				Room Index (K)							
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.32	0.37	0.40	0.43	0.46	0.48	0.49	0.51	0.53
0.70	0.30	0.20	0.28	0.33	0.37	0.40	0.43	0.45	0.47	0.50	0.51
0.70	0.10	0.20	0.26	0.31	0.34	0.37	0.41	0.43	0.45	0.48	0.50
0.50	0.50	0.20	0.31	0.36	0.39	0.41	0.44	0.46	0.47	0.49	0.50
0.50	0.30	0.20	0.28	0.33	0.36	0.39	0.42	0.44	0.46	0.48	0.49
0.50	0.10	0.20	0.26	0.31	0.34	0.36	0.40	0.42	0.44	0.46	0.48
0.30	0.50	0.20	0.30	0.35	0.38	0.40	0.43	0.44	0.46	0.47	0.48
0.30	0.30	0.20	0.27	0.32	0.35	0.38	0.41	0.43	0.44	0.46	0.47
0.30	0.10	0.20	0.25	0.30	0.33	0.36	0.39	0.41	0.43	0.45	0.46
0.00	0.00	0.00	0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44
Distribution Factors	Floor:	0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44	
	Walls:	0.25	0.21	0.17	0.15	0.12	0.10	0.09	0.07	0.06	
	Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bz Numbers			3	3	3	3	3	3	3	3	3

UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

LOR: 54.3%				SHR NOM: 1.25 : 1.0				SHR MAX: 1.34 : 1.0			
Reflectance				Room Index (K)							
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.36	0.41	0.44	0.47	0.50	0.52	0.54	0.56	0.57
0.70	0.30	0.20	0.32	0.37	0.41	0.44	0.47	0.50	0.52	0.54	0.56
0.70	0.10	0.20	0.29	0.35	0.39	0.41	0.45	0.48	0.50	0.52	0.54
0.50	0.50	0.20	0.35	0.40	0.43	0.45	0.49	0.51	0.52	0.54	0.55
0.50	0.30	0.20	0.32	0.37	0.40	0.43	0.46	0.48	0.50	0.52	0.54
0.50	0.10	0.20	0.29	0.34	0.38	0.41	0.44	0.47	0.48	0.51	0.52
0.30	0.50	0.20	0.34	0.39	0.42	0.44	0.47	0.49	0.50	0.52	0.53
0.30	0.30	0.20	0.31	0.36	0.39	0.42	0.45	0.47	0.49	0.50	0.52
0.30	0.10	0.20	0.29	0.34	0.37	0.40	0.43	0.46	0.47	0.49	0.51
0.00	0.00	0.00	0.28	0.33	0.36	0.38	0.41	0.43	0.45	0.47	0.48
Distribution Factors	Floor: Walls: Ceiling:	0.28	0.33	0.36	0.38	0.41	0.43	0.45	0.47	0.48	
		0.26	0.21	0.18	0.15	0.12	0.10	0.09	0.07	0.06	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Bz Numbers			2	3	3	3	3	3	3	3	3

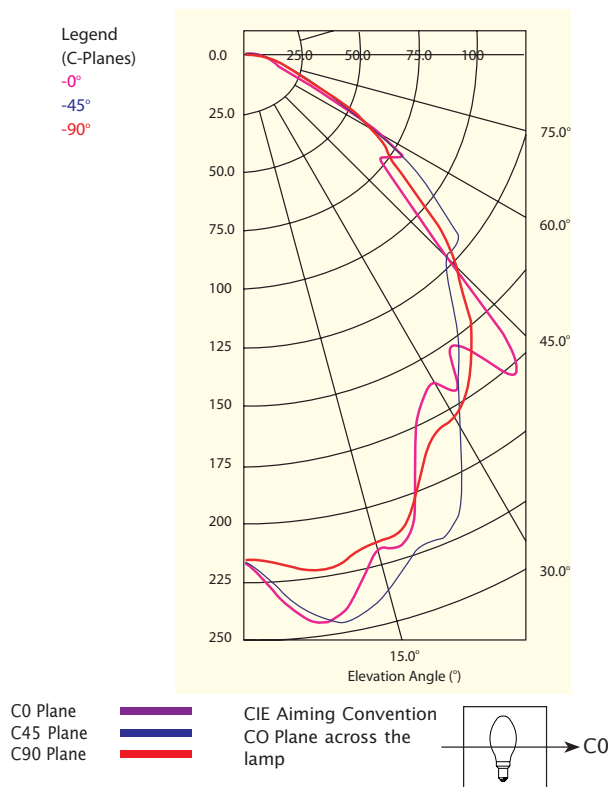
BIANCA JUNIOR IN STAND BY MODE

150w tungsten halogen coated lamp

Osram Halolux 644781M. Luminous flux 2400 lumens.

POLAR CURVE

cd/1000lms 1 Max 242cd in CO plane at 10° gamma



LUMINOUS INTENSITY TABLE (cd/1000lms)

γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	215	215	215	215	215
5.0	238	237	234	227	219
10.0	242	244	246	236	222
15.0	217	224	237	236	214
20.0	213	223	222	232	208
25.0	172	188	217	211	184
30.0	160	171	184	199	178
35.0	150	166	159	186	167
40.0	181	152	138	162	151
45.0	121	142	121	139	127
50.0	84	83	120	110	101
55.0	75	65	92	78	76
60.0	65	71	63	62	63
65.0	32	48	43	44	42
70.0	19	25	28	25	24
75.0	13	16	16	20	18
80.0	12	12	11	15	14
85.0	9	9	8	10	9
90.0	6	7	6	7	5

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE

γ Gamma	C0	C45	C90
45.0	1569	1571	1651
55.0	1205	1469	1209
65.0	697	932	911
75.0	478	575	652
85.0	980	895	929

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

LOR: 47.7%				SHR NOM: 1.25 : 1.0				SHR MAX: 1.37 : 1.0			
Reflectance				Room Index (K)							
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.30	0.35	0.38	0.40	0.44	0.46	0.47	0.49	0.50
0.70	0.30	0.20	0.27	0.32	0.35	0.38	0.41	0.43	0.45	0.47	0.48
0.70	0.10	0.20	0.25	0.29	0.33	0.35	0.39	0.41	0.43	0.46	0.47
0.50	0.50	0.20	0.30	0.34	0.37	0.39	0.42	0.44	0.45	0.47	0.48
0.50	0.30	0.20	0.27	0.31	0.34	0.37	0.40	0.42	0.43	0.45	0.47
0.50	0.10	0.20	0.24	0.29	0.32	0.35	0.38	0.40	0.42	0.44	0.46
0.30	0.50	0.20	0.29	0.33	0.36	0.38	0.41	0.42	0.43	0.45	0.46
0.30	0.30	0.20	0.26	0.31	0.34	0.36	0.39	0.41	0.42	0.44	0.45
0.30	0.10	0.20	0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44
0.00	0.00	0.00	0.23	0.28	0.31	0.33	0.36	0.37	0.39	0.41	0.42
Distribution Factors		Floor:	0.23	0.28	0.31	0.33	0.36	0.37	0.39	0.41	0.42
		Walls:	0.24	0.19	0.16	0.14	0.11	0.10	0.08	0.06	0.05
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bz Numbers			3	3	3	3	3	3	3	3	3

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Distributors in: Pacific Islands, New Zealand, United Kingdom, Vietnam, Thailand, Indonesia, Bangladesh, Sri Lanka

Lighting designs on request
IES files on request or available on Davis website

Website: www.davislighting.com

Email: sales@davislighting.com

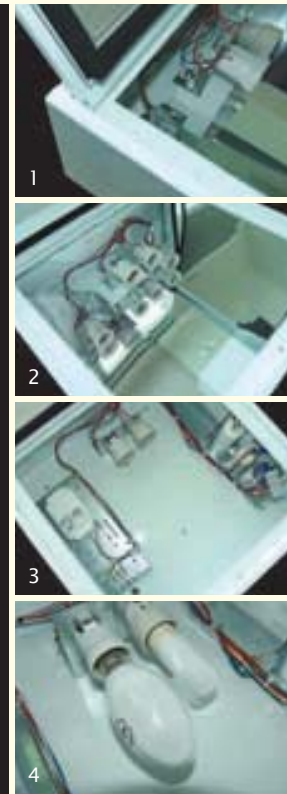
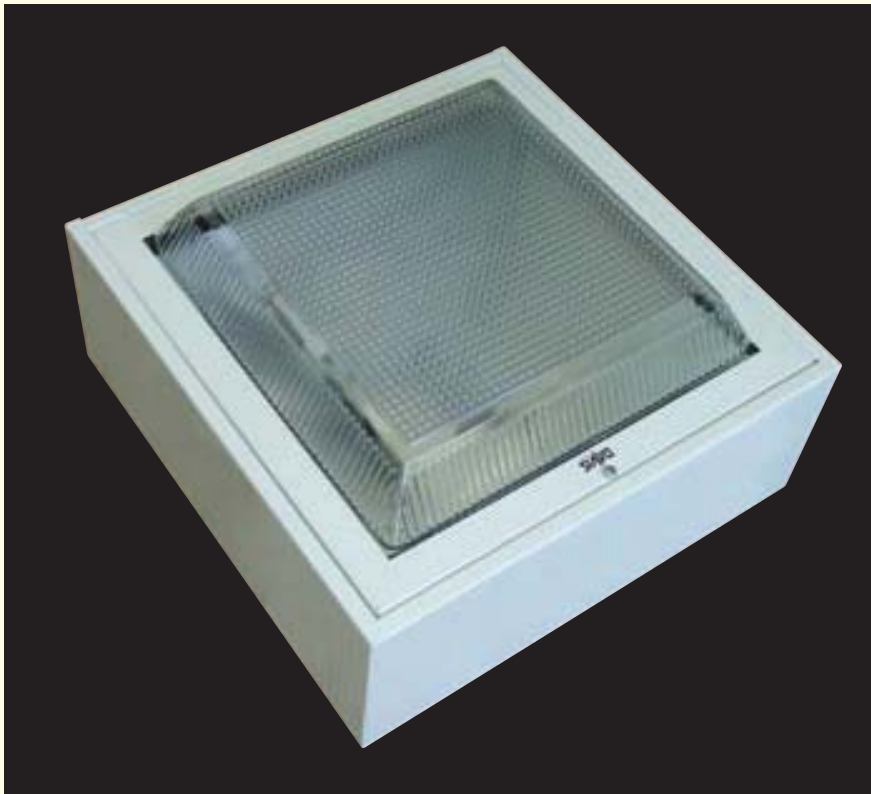
Davis Lighting is a registered trade name

Davis Lighting reserves the right to change specifications and materials without prior notice.
Materials and components may vary from region to region.



"When your
business
depends
on light."

BIANCA JUNIOR - SHALLOW DROP DIFFUSER



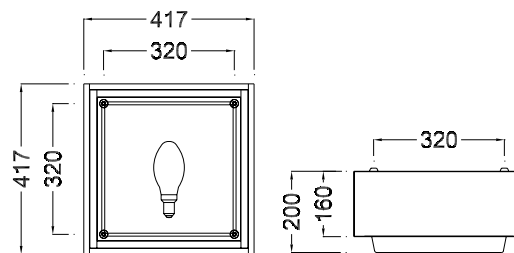
FEATURES

- 1 Neoprene rubber gasketed & hinged diffuser frame.
 - 2 Internal specular aluminium reflectors which can be individually removed for control gear access
 - 3 All control equipment is gear tray mounted. Gear trays are 1.2mm galvanized steel
 - 4 The luminaire is supplied standard with pre-wiring to allow future on site fitting of a standby relay & lamp. The luminaire may also be ordered complete with the standby relay & lamp. After switch-on, or momentary loss of supply voltage, HID lamps take several minutes before full luminous output, or re-strike is achieved. In some applications, it is important to have some degree of instant light. The function of the relay is to provide instant light from the tungsten halogen standby lamp until the HID lamp is approximately 70% - 75% of full output, at which time the relay switches off the standby lamp. This is also the case in the event of a momentary loss of supply voltage. Should the HID lamp fail to strike, the standby lamp will remain on indefinitely.
- Surface mounting luminaire. The luminaire may be recessed mounted in plaster ceilings with the use of the Davis PFBJ plaster frame.
 - Powder coated white, 1mm thick steel body and diffuser frame
 - E27 Lamp holder
 - 25mm diameter rear cable entry hole
 - UV stabilized polycarbonate shallow drop diffuser
 - Optional pyramid & deep drop diffusers available
 - Supplied with integral or optional remote control gear

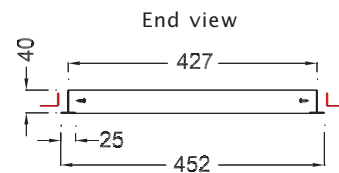
APPLICATION

- Undercover car park
- showrooms
- display areas
- multi-sports halls

DIMENSIONS



PFBJ PLASTER FRAME FOR RECESSED MODELS



cut out size 432 X 432

For mounting details see general catalogue page G1
Bianca Jr weight 9.6kg (maximum)

BIANCA JUNIOR - SHALLOW DROP DIFFUSER



Manufactured to standards – IEC60598.1
IEC60598.2.1
IEC60598.2.2
CISPR15



"When your
business
depends
on light."

Model No.	Type
BIJS80MVS	Mercury Vapour
BIJS125MVS	Mercury Vapour
BIJS70MHS	Metal Halide
BIJS100MHS	Metal Halide
BIJS150MHS	Metal Halide
BIJS70SS	High Pressure Sodium
BIJS100SS	High Pressure Sodium

Single ended E27 lamps (BIJS100SS Single ended E40 lamp)
Stand by lamp Osram halolux 644781M 150w TH E27 coated

Options
P Pyramid diffuser (Replaces S in model number)
D Deep drop diffuser (Replaces S in model number)
RC Remote Control (first suffix after model number)
TH150 150w Tungsten Halogen standby lamp & relay (second suffix after model number)

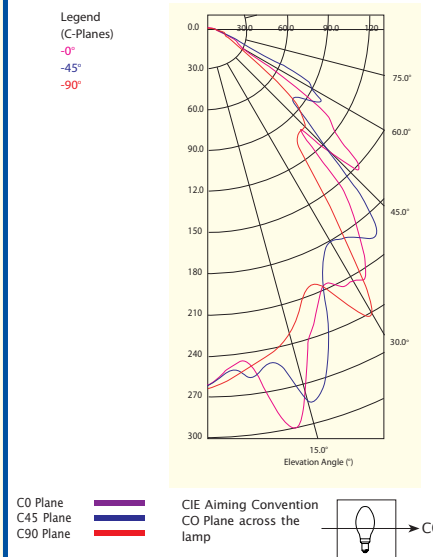
Example: BIJS150MHRCTH150

BIANCA JUNIOR HPS

70w clear lamp

POLAR CURVE

cd/1000lms 1 Max 283cd in CO plane at 10° gamma

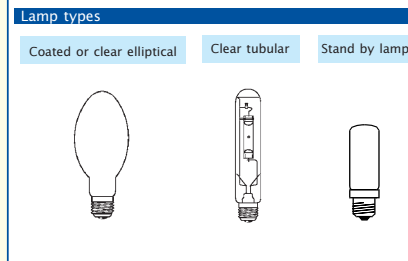


LUMINOUS INTENSITY TABLE (cd/1000lms)						
γ Gamma	C0	C22.5	C45	C67.5	C90	
0.0	264	264	264	264	264	
5.0	246	239	249	249	255	
10.0	283	267	248	242	244	
15.0	278	288	287	267	232	
20.0	229	225	260	222	206	
25.0	203	198	197	216	210	
30.0	212	185	178	240	248	
35.0	200	199	185	203	148	
40.0	162	147	197	112	103	
45.0	139	76	115	94	103	
50.0	124	136	80	93	84	
55.0	106	109	91	67	46	
60.0	30	42	87	30	26	
65.0	24	28	49	20	17	
70.0	17	13	12	15	14	
75.0	10	10	9	12	13	
80.0	8	9	7	9	10	
85.0	5	6	7	5	5	
90.0	3	4	5	7	4	

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45.0	1571	1228	1162
55.0	1394	1111	610
65.0	386	722	279
75.0	225	182	300
85.0	208	220	184

Luminance in cd/m²/1000lms



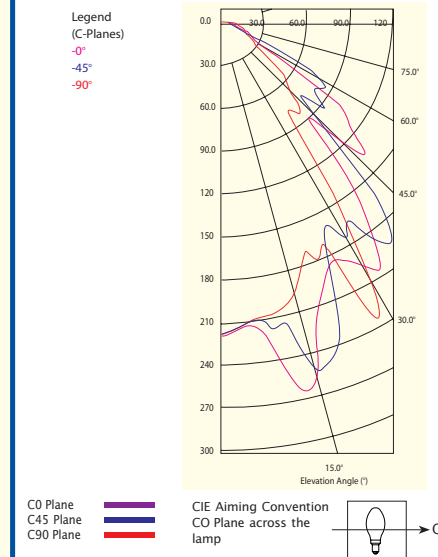
BIANCA JUNIOR METAL HALIDE

70w, 100w, 150w clear lamp

Photometric data applies to all three models

POLAR CURVE

cd/1000lms 1 Max 261cd in CO plane at 15° gamma



LUMINOUS INTENSITY TABLE (cd/1000lms)						
γ Gamma	C0	C22.5	C45	C67.5	C90	
0.0	221	221	221	221	221	
5.0	213	208	210	213	211	
10.0	245	219	220	206	208	
15.0	261	257	257	213	198	
20.0	202	196	242	187	169	
25.0	183	176	167	181	162	
30.0	195	165	180	244	212	
35.0	183	189	189	154	87	
40.0	128	125	184	79	84	
45.0	118	85	90	77	69	
50.0	121	124	99	70	57	
55.0	106	106	78	43	31	
60.0	29	42	79	26	25	
65.0	23	27	37	20	19	
70.0	15	13	12	16	17	
75.0	9	10	9	13	15	
80.0	8	9	7	10	11	
85.0	6	6	7	5	5	
90.0	3	3	6	6	4	

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45.0	1329	967	781
55.0	1389	955	409
65.0	374	550	314
75.0	211	182	348
85.0	220	205	193

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

LOR: 53.9%					SHR NOM: 1.25 : 1.0					SHR MAX: 1.42 : 1.0				
Reflectance					Room Index (K)									
Ceiling	Walls	Floor		0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00		
0.70	0.50	0.20		0.35	0.40	0.44	0.46	0.50	0.52	0.53	0.55	0.56		
0.70	0.30	0.20		0.32	0.37	0.41	0.44	0.47	0.50	0.51	0.54	0.55		
0.70	0.10	0.20		0.29	0.35	0.38	0.41	0.45	0.48	0.50	0.52	0.54		
0.50	0.50	0.20		0.34	0.39	0.43	0.45	0.48	0.50	0.51	0.53	0.54		
0.50	0.30	0.20		0.31	0.36	0.40	0.43	0.46	0.48	0.50	0.52	0.53		
0.50	0.10	0.20		0.29	0.34	0.38	0.41	0.44	0.47	0.48	0.51	0.52		
0.30	0.50	0.20		0.34	0.38	0.42	0.44	0.47	0.48	0.50	0.51	0.52		
0.30	0.30	0.20		0.31	0.36	0.39	0.42	0.45	0.47	0.48	0.50	0.51		
0.30	0.10	0.20		0.29	0.34	0.37	0.40	0.43	0.45	0.47	0.49	0.50		
0.00	0.00	0.00		0.28	0.33	0.36	0.38	0.41	0.43	0.45	0.47	0.48		
Distribution Factors	Floor: Walls: Ceiling:		0.28	0.33	0.36	0.38	0.41	0.43	0.45	0.47	0.48			
			0.25	0.20	0.16	0.14	0.11	0.09	0.07	0.06	0.04			
			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
Bz Numbers			2	2	2	2	2	2	2	2	2			

UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

LOR: 50.3%				SHR NOM: 1.25 : 1.0					SHR MAX: 1.45 : 1.0				
Reflectance				Room Index (K)									
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00		
0.70	0.50	0.20	0.31	0.36	0.39	0.41	0.44	0.40	0.47	0.49	0.50		
0.70	0.30	0.20	0.28	0.33	0.36	0.35	0.41	0.44	0.45	0.47	0.48		
0.70	0.10	0.20	0.26	0.30	0.34	0.36	0.40	0.42	0.44	0.46	0.47		
0.50	0.50	0.20	0.30	0.35	0.38	0.40	0.42	0.44	0.45	0.47	0.48		
0.50	0.30	0.20	0.27	0.32	0.35	0.37	0.40	0.42	0.44	0.46	0.47		
0.50	0.10	0.20	0.25	0.30	0.33	0.36	0.39	0.41	0.42	0.44	0.46		
0.30	0.50	0.20	0.30	0.34	0.37	0.38	0.41	0.42	0.44	0.45	0.46		
0.30	0.30	0.20	0.27	0.32	0.35	0.37	0.39	0.41	0.42	0.44	0.45		
0.30	0.10	0.20	0.25	0.30	0.33	0.35	0.38	0.40	0.41	0.43	0.44		
0.00	0.00	0.00	0.24	0.29	0.32	0.34	0.36	0.38	0.39	0.41	0.42		
Distribution Factors	Floor: Walls: Ceiling:	0.24	0.29	0.32	0.34	0.36	0.38	0.39	0.41	0.42			
		0.22	0.18	0.15	0.13	0.10	0.08	0.07	0.05	0.04			
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
Bz Numbers		2	2	2	2	2	2	2	2	2	2		

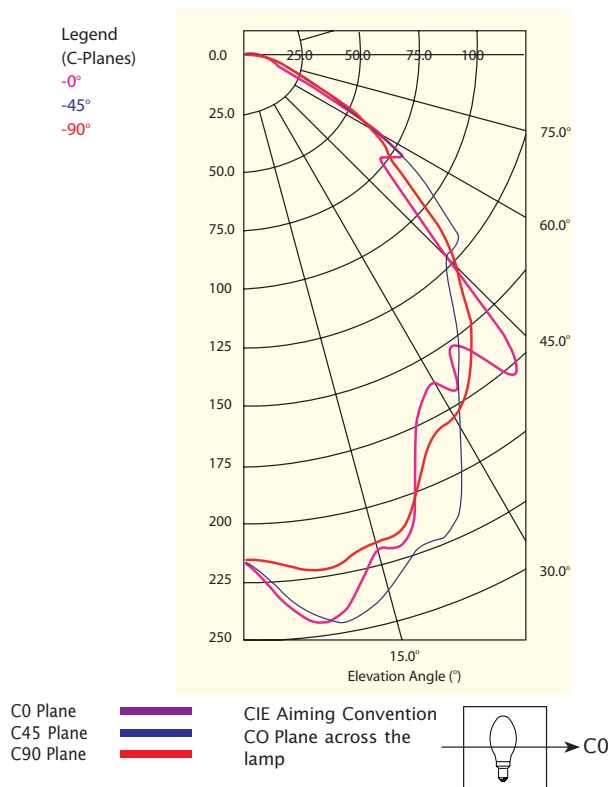
BIANCA JUNIOR IN STAND BY MODE

150w tungsten halogen coated lamp

Osram Halolux 644781M. Luminous flux 2400 lumens.

POLAR CURVE

cd/1000lms 1 Max 242cd in CO plane at 10° gamma



LUMINOUS INTENSITY TABLE (cd/1000lms)

γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	215	215	215	215	215
5.0	238	237	234	227	219
10.0	242	244	246	236	222
15.0	217	224	237	236	214
20.0	213	223	222	232	208
25.0	172	188	217	211	184
30.0	160	171	184	199	178
35.0	150	166	159	186	167
40.0	181	152	138	162	151
45.0	121	142	121	139	127
50.0	84	83	120	110	101
55.0	75	65	92	78	76
60.0	65	71	63	62	63
65.0	32	48	43	44	42
70.0	19	25	28	25	24
75.0	13	16	16	20	18
80.0	12	12	11	15	14
85.0	9	9	8	10	9
90.0	6	7	6	7	5

LUMINOUS OPENING: 330mm x 330mm

AVERAGE LUMINANCE TABLE

γ Gamma	C0	C45	C90
45.0	1569	1571	1651
55.0	1205	1469	1209
65.0	697	932	911
75.0	478	575	652
85.0	980	895	929

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

LOR: 47.7%				SHR NOM: 1.25 : 1.0				SHR MAX: 1.37 : 1.0			
Reflectance				Room Index (K)							
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.30	0.35	0.38	0.40	0.44	0.46	0.47	0.49	0.50
0.70	0.30	0.20	0.27	0.32	0.35	0.38	0.41	0.43	0.45	0.47	0.48
0.70	0.10	0.20	0.25	0.29	0.33	0.35	0.39	0.41	0.43	0.46	0.47
0.50	0.50	0.20	0.30	0.34	0.37	0.39	0.42	0.44	0.45	0.47	0.48
0.50	0.30	0.20	0.27	0.31	0.34	0.37	0.40	0.42	0.43	0.45	0.47
0.50	0.10	0.20	0.24	0.29	0.32	0.35	0.38	0.40	0.42	0.44	0.46
0.30	0.50	0.20	0.29	0.33	0.36	0.38	0.41	0.42	0.43	0.45	0.46
0.30	0.30	0.20	0.26	0.31	0.34	0.36	0.39	0.41	0.42	0.44	0.45
0.30	0.10	0.20	0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44
0.00	0.00	0.00	0.23	0.28	0.31	0.33	0.36	0.37	0.39	0.41	0.42
Distribution Factors		Floor:	0.23	0.28	0.31	0.33	0.36	0.37	0.39	0.41	0.42
		Walls:	0.24	0.19	0.16	0.14	0.11	0.10	0.08	0.06	0.05
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bz Numbers			3	3	3	3	3	3	3	3	3

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