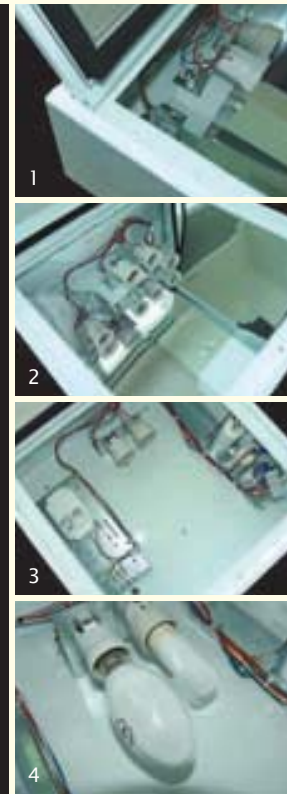
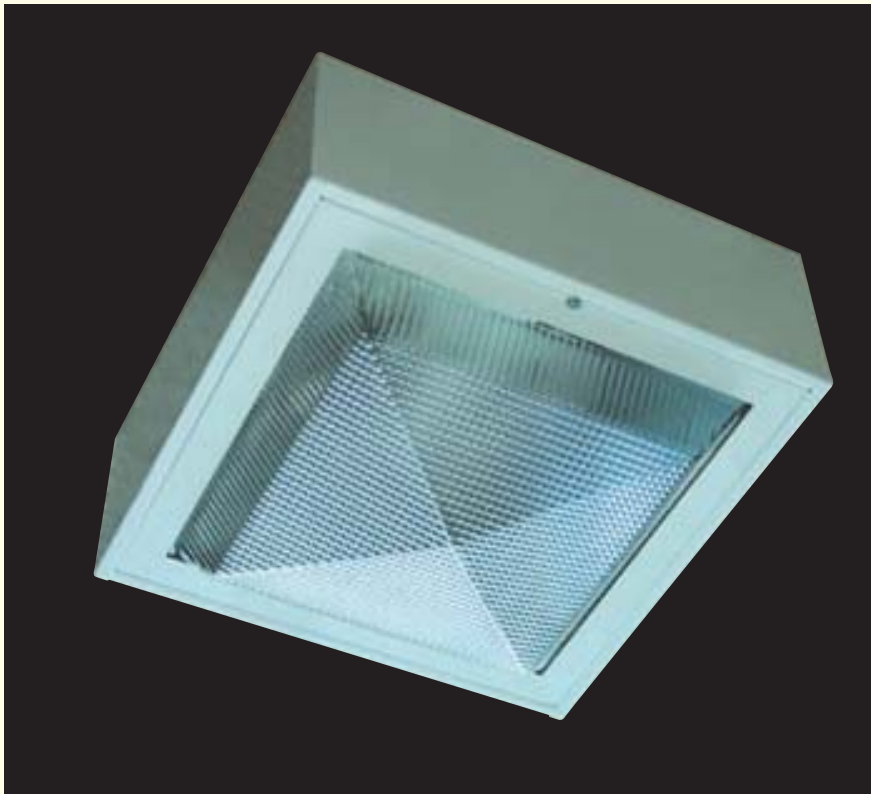


# BIANCA JUNIOR - PYRAMID DIFFUSER



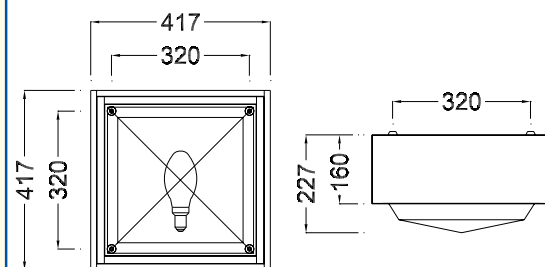
## FEATURES

- 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

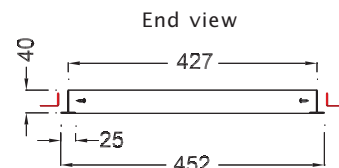
## APPLICATION

- 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
BIJS80MVP	Mercury Vapour
BIJS125MVP	Mercury Vapour
BIJS70MHP	Metal Halide
BIJS100MHP	Metal Halide
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

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

**Example: BIJS150MHSRCTH150**

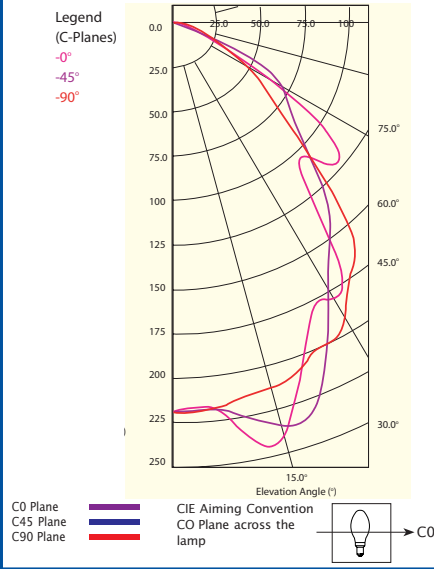
## BIANCA JUNIOR METAL HALIDE

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)

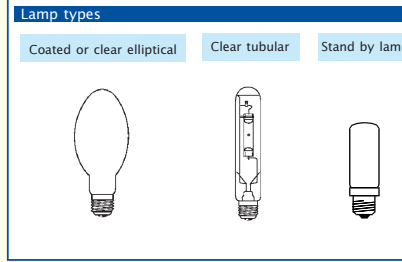
γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	218	218	218	218	218
5.0	215	216	218	219	219
10.0	234	230	224	218	214
15.0	242	239	234	220	212
20.0	210	216	232	222	208
25.0	182	187	204	212	200
30.0	180	170	175	200	193
35.0	163	165	153	169	173
40.0	112	120	137	149	158
45.0	104	95	112	118	114
50.0	122	107	91	84	81
55.0	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/m<sup>2</sup>/1000lms



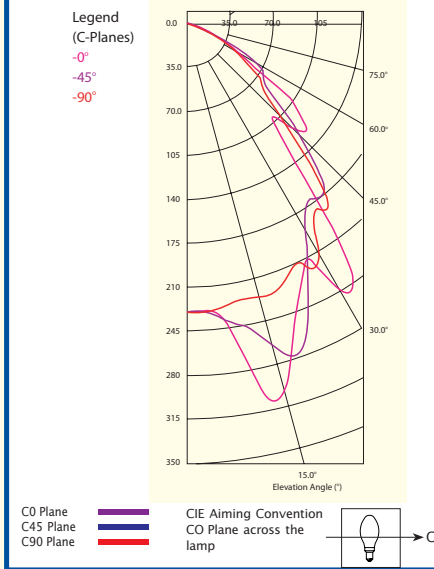
## BIANCA JUNIOR METAL HALIDE

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/m<sup>2</sup>/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 Walls: 0.25 Ceiling: 0.01		0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44	0.44				
				0.25	0.21	0.17	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			3	3	3	3	3	3	3	3	3				

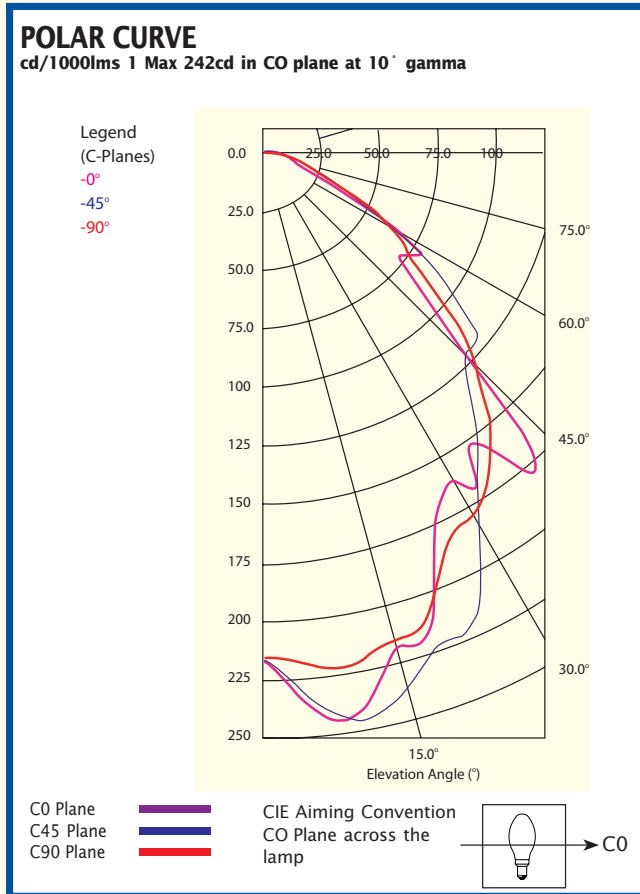
### UTILISATION FACTOR TABLE - CIBSE TMS (fine grid method min/ave 0.8)

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: 0.28 Walls: 0.26 Ceiling: 0.01		0.33	0.36	0.38	0.41	0.43	0.45	0.47	0.48	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.



### 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/m<sup>2</sup>/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	0.10	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	0.01
Bz Numbers			3	3	3	3	3	3	3	3	3

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*"When your  
 business  
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