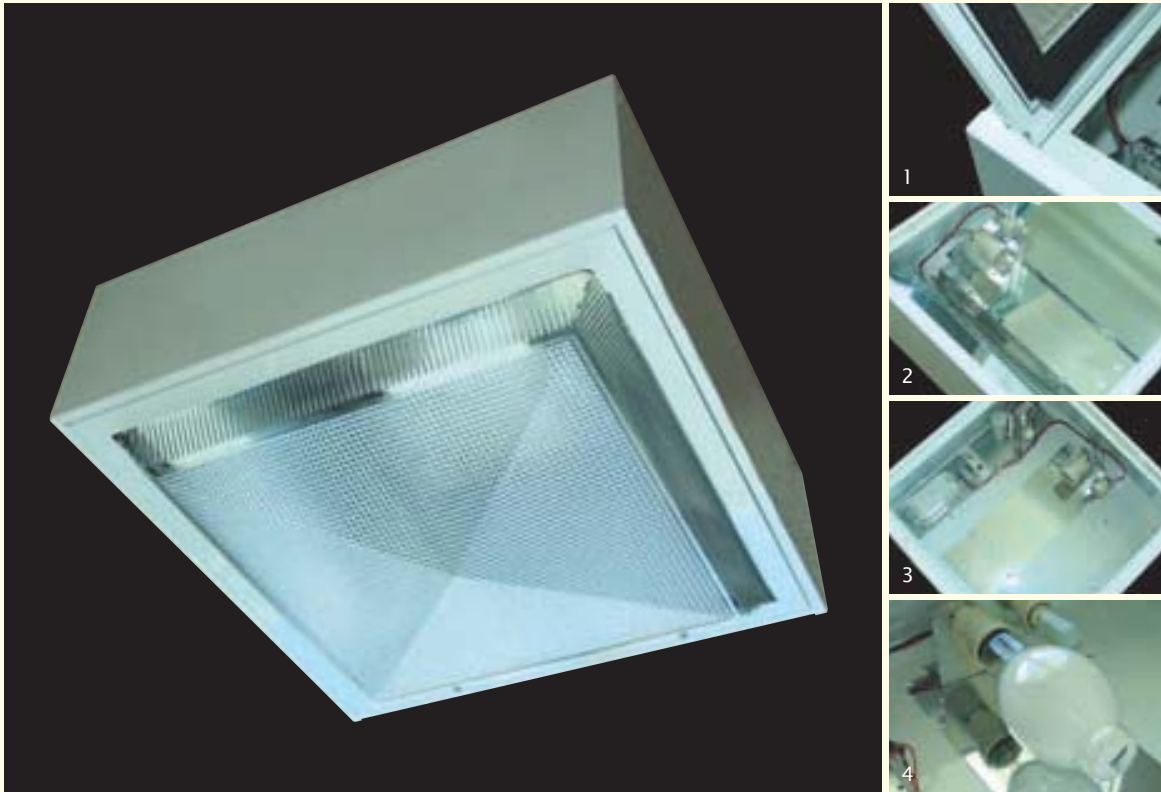


BIANCA SENIOR - PYRAMID DIFFUSER



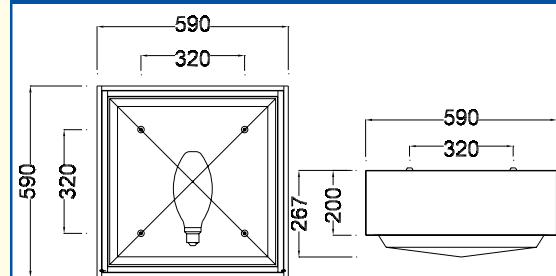
FEATURES

- 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.
- Universal mounting. The luminaire may be either surface or recessed T/bar mounted. The luminaire may be recessed mounted in plaster ceilings with the use of the Davis PFW18 plaster frame.
 - Powder coated white, 1mm thick steel body and diffuser frame
 - E39 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

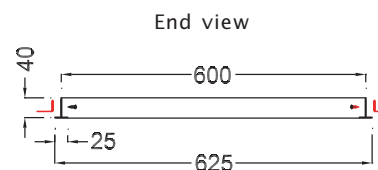
APPLICATION

- Undercover car park entrances
- showrooms
- display areas
- multi-sports halls
- service stations

DIMENSIONS



PFW18 PLASTER FRAME FOR RECESSED MODELS



cut out size 605 X 605

For mounting details see general catalogue page G1
Bianca Senior weight 16.5kg (maximum)

BIANCA SENIOR - PYRAMID DIFFUSER

012A

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

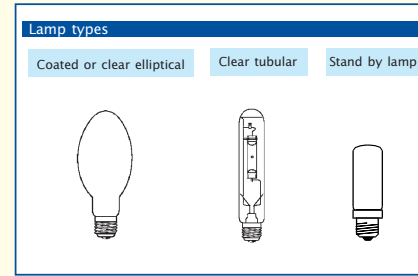


*“When your
business
depends
on light.”*

Model No.	Type	Options
BISU250MVP	Mercury Vapour	S Shallow drop diffuser (Replaces P in model number)
BISU400MVP	Mercury Vapour	D Deep drop diffuser (Replaces P in model number)
BISU250MHP	Metal Halide	RC Remote Control (first suffix after model number)
BISU400MHP	Metal Halide	TH250 250w Tungsten Halogen standby lamp & relay (second suffix after model number)
BISU150SP	High Pressure Sodium	
BISU250SP	High Pressure Sodium	
BISU400SP	High Pressure Sodium	

Single ended E39/E40 lamps
Stand by lamp Osram halolux 644801M 250w TH E27 coated

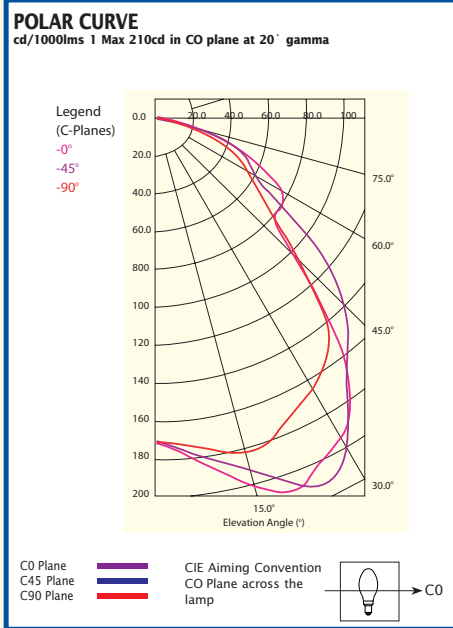
Example: BISU400MVRCTH250



BIANCA SENIOR MERCURY VAPOUR, METAL HALIDE & HPS

400w coated lamp

Photometric data applies to all three models



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	171	171	171	171	171
5.0	178	177	176	175	173
10.0	189	187	183	180	178
15.0	201	198	192	185	183
20.0	210	213	204	190	179
25.0	201	213	213	185	172
30.0	195	201	200	180	165
35.0	179	185	176	171	156
40.0	147	162	157	158	140
45.0	103	125	141	131	107
50.0	81	87	114	93	78
55.0	81	78	81	69	66
60.0	77	78	60	56	56
65.0	61	65	54	46	47
70.0	40	43	44	35	36
75.0	20	22	30	20	21
80.0	10	10	15	12	14
85.0	7	7	6	8	8
90.0	4	4	4	4	4

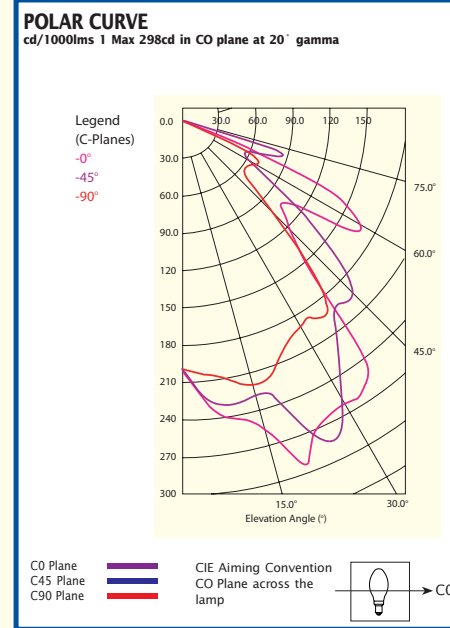
LUMINOUS OPENING: 500mm x 500mm

AVERAGE LUMINANCE TABLE				
γ Gamma	C0	C45	C90	
45.0	510	666	532	
55.0	470	441	382	
65.0	446	360	340	
75.0	200	264	214	
85.0	123	88	149	

Luminance in cd/m²/1000lms

BIANCA SENIOR METAL HALIDE

400w clear lamp



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	199	199	199	199	199
5.0	228	226	226	217	204
10.0	242	239	232	229	209
15.0	254	242	228	235	219
20.0	298	291	244	243	214
25.0	266	281	285	230	197
30.0	260	266	258	222	192
35.0	258	236	220	208	194
40.0	172	231	191	211	174
45.0	122	134	195	148	102
50.0	101	109	149	83	66
55.0	120	96	94	64	63
60.0	168	136	60	61	69
65.0	128	135	56	69	61
70.0	41	53	83	35	30
75.0	18	17	50	18	18
80.0	12	11	12	13	14
85.0	9	9	7	9	9
90.0	5	5	4	5	4

LUMINOUS OPENING: 500mm x 500mm

AVERAGE LUMINANCE TABLE				
γ Gamma	C0	C45	C90	
45.0	605	920	508	
55.0	695	513	365	
65.0	929	370	447	
75.0	181	447	184	
85.0	160	97	158	

Luminance in cd/m²/1000lms

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

LOR: 52.4%													
Reflectance			SHR NOM: 1.5 : 1.0					SHR MAX: 1.63 : 1.0					
			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	0.34	0.38	0.42	0.44	0.48	0.50	0.52	0.54	0.55		
0.70	0.30	0.20	0.30	0.35	0.38	0.41	0.45	0.47	0.49	0.52	0.53		
0.70	0.10	0.20	0.28	0.32	0.36	0.39	0.43	0.45	0.47	0.50	0.52		
0.50	0.50	0.20	0.33	0.37	0.41	0.43	0.46	0.48	0.50	0.51	0.53		
0.50	0.30	0.20	0.30	0.34	0.38	0.40	0.44	0.46	0.48	0.50	0.51		
0.50	0.10	0.20	0.28	0.32	0.35	0.38	0.42	0.44	0.46	0.49	0.50		
0.30	0.50	0.20	0.32	0.36	0.39	0.42	0.45	0.46	0.48	0.49	0.51		
0.30	0.30	0.20	0.30	0.33	0.37	0.39	0.43	0.45	0.46	0.48	0.50		
0.30	0.10	0.20	0.27	0.31	0.35	0.37	0.41	0.43	0.45	0.47	0.49		
0.00	0.00	0.00	0.26	0.30	0.33	0.36	0.39	0.41	0.43	0.45	0.46		
Distribution Factors	Floor: 0.26 Walls: 0.26 Ceiling: 0.01		0.30	0.33	0.36	0.39	0.41	0.43	0.45	0.46	0.46		
			0.26	0.22	0.19	0.16	0.13	0.11	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		

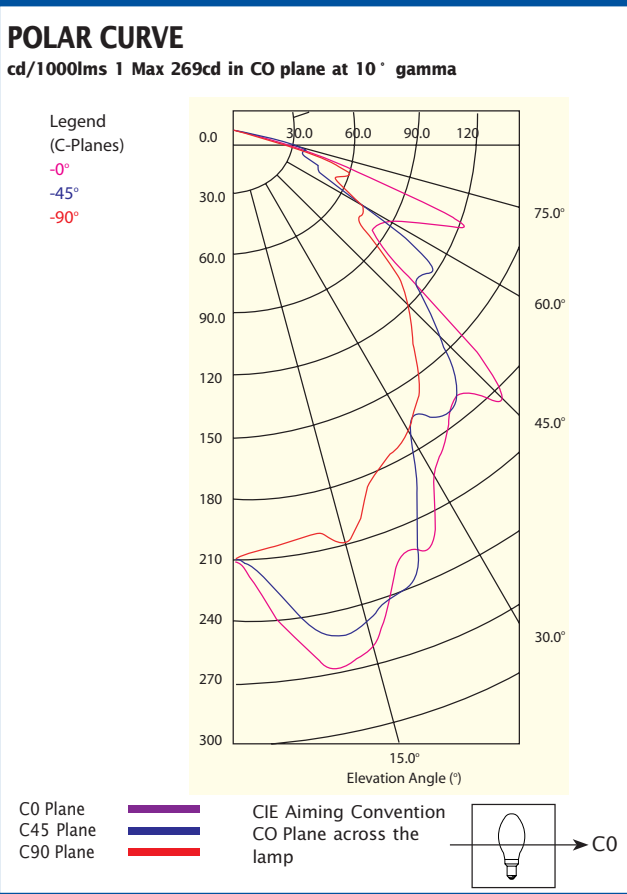
UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

LOR: 65.6%													
Reflectance			SHR NOM: 1.5 : 1.0					SHR MAX: 1.6 : 1.0					
			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	0.43	0.48	0.52	0.55	0.60	0.62	0.64	0.67	0.69		
0.70	0.30	0.20	0.38	0.43	0.48	0.51	0.56	0.59	0.62	0.65	0.67		
0.70	0.10	0.20	0.35	0.40	0.45	0.48	0.53	0.57	0.59	0.63	0.65		
0.50	0.50	0.20	0.42	0.46	0.51	0.54	0.58	0.60	0.62	0.64	0.66		
0.50	0.30	0.20	0.38	0.42	0.47	0.50	0.55	0.58	0.60	0.62	0.64		
0.50	0.10	0.20	0.35	0.39	0.44	0.47	0.52	0.55	0.58	0.61	0.63		
0.30	0.50	0.20	0.41	0.45	0.49	0.52	0.56	0.58	0.60	0.62	0.63		
0.30	0.30	0.20	0.37	0.42	0.46	0.49	0.53	0.56	0.58	0.60	0.62		
0.30	0.10	0.20	0.34	0.39	0.43	0.47	0.51	0.54	0.56	0.59	0.61		
0.00	0.00	0.00	0.33	0.37	0.42	0.45	0.49	0.51	0.53	0.56	0.58		
Distribution Factors	Floor: 0.33 Walls: 0.32 Ceiling: 0.01		0.37	0.42	0.45	0.49	0.51	0.53	0.56	0.58	0.58		
			0.32	0.28	0.23	0.20	0.16	0.13	0.12	0.09	0.07		
			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		

BIANCA SENIOR IN STAND BY MODE

250w tungsten halogen coated lamp

Osram Halolux 644801M. Luminous flux 4000 lumens.



LUMINOUS INTENSITY TABLE (cd/1000lms)

γ Gamma	C0	C22.5	C45	C67.5	C90
0.0	209	209	209	209	209
5.0	241	236	225	209	203
10.0	269	261	251	223	199
15.0	262	256	249	233	208
20.0	227	228	240	221	186
25.0	227	219	212	216	175
30.0	193	195	169	189	169
35.0	181	178	172	176	158
40.0	168	177	170	155	135
45.0	189	156	140	153	121
50.0	109	134	114	122	96
55.0	82	82	121	83	72
60.0	86	76	71	75	73
65.0	106	77	44	55	52
70.0	95	77	36	45	63
75.0	29	26	38	29	31
80.0	14	12	17	15	16
85.0	10	8	7	11	10
90.0	4	5	4	5	5

LUMINOUS OPENING: 500mm x 500mm

AVERAGE LUMINANCE TABLE

γ Gamma	C0	C45	C90
45.0	938	663	599
55.0	475	656	416
65.0	772	293	378
75.0	296	342	319
85.0	170	105	175

Luminance in cd/m²/1000lms

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

LOR: 53.4%			SHR NOM: 1.5 : 1.0					SHR MAX: 1.54 : 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	0.38	0.41	0.44	0.48	0.50	0.52	0.54	0.56
0.70	0.30	0.20	0.28	0.34	0.38	0.41	0.45	0.47	0.49	0.52	0.54
0.70	0.10	0.20	0.25	0.31	0.35	0.38	0.42	0.45	0.47	0.50	0.52
0.50	0.50	0.20	0.31	0.36	0.40	0.42	0.46	0.48	0.50	0.52	0.53
0.50	0.30	0.20	0.28	0.33	0.37	0.40	0.43	0.46	0.48	0.50	0.52
0.50	0.10	0.20	0.25	0.30	0.34	0.37	0.41	0.44	0.46	0.49	0.50
0.30	0.50	0.20	0.30	0.35	0.39	0.41	0.44	0.46	0.48	0.50	0.51
0.30	0.30	0.20	0.27	0.32	0.36	0.39	0.42	0.45	0.46	0.48	0.50
0.30	0.10	0.20	0.25	0.30	0.34	0.36	0.40	0.43	0.45	0.47	0.49
0.00	0.00	0.00	0.24	0.29	0.32	0.35	0.38	0.41	0.43	0.45	0.46
Distribution Factors	Floor:		0.24	0.29	0.32	0.35	0.38	0.41	0.43	0.45	0.46
	Walls:		0.29	0.24	0.21	0.18	0.14	0.12	0.10	0.08	0.07
	Ceiling:		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bz Numbers			4	4	4	4	4	4	4	4	4

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*"When your
 business
 depends
 on light."*