



Asymmetric Range

Description:

Wall wash recessed/surface fitting

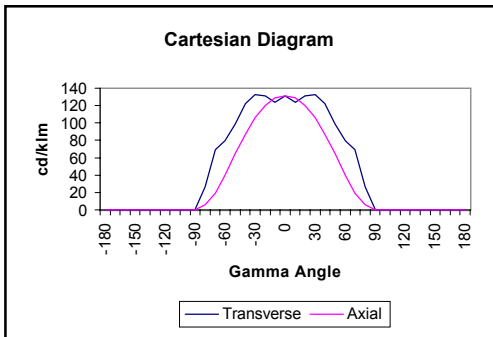
Dimensions (in mm):

Physical Length = 1190
Luminous Length = 1180



Physical Height = 110
Luminous Height = 0

Physical Width = 290
Luminous Width = 230



Conversion Terms:

ASY 234BA
ASY 236PL
ASY 240PL
ASY 255PL

Lamp

2 x 34W Biax
2 x 36W TC-L
2 x 40W TC-L
2 x 55W TC-L

UF & PC

1.00
1.00
1.00
1.00

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.75

Reflectances C	W	F	Room Index									
			0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44	
	0.30		0.21	0.26	0.29	0.31	0.35	0.37	0.39	0.41	0.42	
	0.10		0.19	0.24	0.27	0.29	0.33	0.35	0.37	0.39	0.41	
0.50	0.50	0.20	0.24	0.28	0.31	0.33	0.36	0.38	0.39	0.41	0.42	
	0.30		0.21	0.25	0.28	0.31	0.34	0.36	0.37	0.40	0.41	
	0.10		0.19	0.23	0.26	0.29	0.32	0.34	0.36	0.38	0.40	
0.30	0.50	0.20	0.23	0.27	0.30	0.32	0.35	0.36	0.38	0.39	0.41	
	0.30		0.20	0.25	0.28	0.30	0.33	0.35	0.36	0.38	0.40	
	0.10		0.18	0.23	0.26	0.28	0.31	0.33	0.35	0.37	0.39	
0.00	0.00	0.00	0.18	0.22	0.25	0.27	0.30	0.32	0.33	0.35	0.37	
BZ Class			5	4	4	4	4	4	4	4	4	
DF(F)			0.18	0.22	0.25	0.27	0.30	0.32	0.33	0.35	0.37	
DF(W)			0.25	0.20	0.18	0.16	0.13	0.11	0.09	0.07	0.06	
DF(C)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DF(V) <i>Cylindrical</i>			0.03	0.04	0.06	0.07	0.08	0.10	0.11	0.12	0.13	
DF(S) <i>Scalar</i>			0.05	0.07	0.08	0.09	0.10	0.12	0.13	0.14	0.15	

Flux Fraction Ratio = 0.00
SHR MAX = 1.79
SHR MAX(TR) = 2.12

CIE Flux Code = 19 / 32 / 40 / 43 43
Light Output Ratio = 0.43
Downward LOR = 0.43
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)
0	131	131
5	127	131
10	124	129
15	127	125
20	131	120
25	132	114
30	133	106
35	129	97
40	122	87
45	112	76
50	99	65
55	88	53
60	80	40
65	74	29
70	70	19
75	53	11
80	27	6
85	3	3
90	0	0
95	0	0
100	0	0
105	0	0
110	0	0
115	0	0
120	0	0
125	0	0
130	0	0
135	0	0
140	0	0
145	0	0
150	0	0
155	0	0
160	0	0
165	0	0
170	0	0
175	0	0
180	0	0

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane
0	0.000	0.000
5	0.087	0.004
10	0.173	0.015
15	0.256	0.033
20	0.334	0.058
25	0.406	0.088
30	0.471	0.122
35	0.528	0.158
40	0.576	0.196
45	0.616	0.232
50	0.648	0.267
55	0.672	0.298
60	0.689	0.324
65	0.699	0.345
70	0.705	0.359
75	0.708	0.369
80	0.710	0.375
85	0.710	0.378
90	0.710	0.379

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane
45	581	396
50	565	373
55	562	340
60	586	295
65	641	253
70	749	205
75	755	157
80	562	127
85	106	127

The Utilisation Factor table, BZ values, and Distribution Factors (F) (W) & (C) have been calculated in accordance with CIBSE Technical Memorandum No. 5 (1980) from data tested without a ceiling board. The UF values need to be corrected using the appropriate conversion factor. The Distribution Factors for cylindrical and scalar illuminance have been calculated using data provided by Dr. A. R. Bean.

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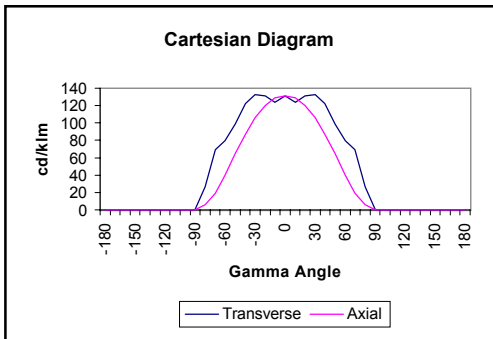
Dimensions (in mm):

Physical Length = 590
Luminous Length = 580



Physical Height = 110
Luminous Height = 0

Physical Width = 290
Luminous Width = 230



Conversion Terms:

ASY 134BA
ASY 136PL
ASY 140PL
ASY 155PL

Lamp

1 x 34W Biax
1 x 36W TC-L
1 x 40W TC-L
1 x 55W TC-L

UF & PC

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110	0	0	
115	0	0	
120	0	0	
125	0	0	
130	0	0	
135	0	0	
140	0	0	
145	0	0	
150	0	0	
155	0	0	
160	0	0	
165	0	0	
170	0	0	
175	0	0	
180	0	0	

Aspect Factors

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85		0.710	0.378
90		0.710	0.379

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		1182	806
50		1149	758
55		1144	693
60		1192	600
65		1304	514
70		1523	416
75		1535	319
80		1144	259
85		215	258

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