

Blenheim Range

Description:

Surface fluorescent with opal diffuser,
600 x 600 four lamp

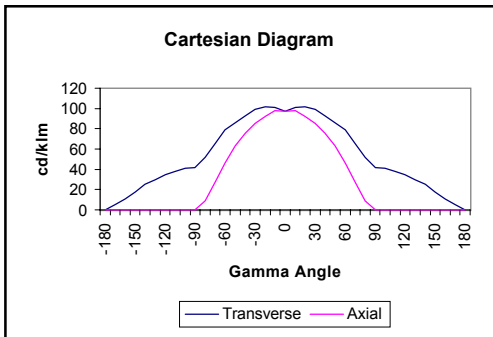
Dimensions (in mm):

Physical Length = 625
Luminous Length = 625



Physical Height = 95
Luminous Height = 45

Physical Width = 625
Luminous Width = 625



Conversion Terms:

BLN 418/O

Lamp

4 x 18W T8

UF & PC

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	0.25	0.30	0.33	0.36	0.39	0.42	0.44	0.46	0.48	
	0.30		0.21	0.26	0.29	0.32	0.36	0.39	0.41	0.44	0.46	
	0.10		0.18	0.23	0.26	0.29	0.33	0.36	0.38	0.41	0.44	
0.50	0.50	0.20	0.23	0.27	0.30	0.33	0.36	0.38	0.40	0.42	0.43	
	0.30		0.19	0.24	0.27	0.30	0.33	0.36	0.37	0.40	0.42	
	0.10		0.17	0.21	0.25	0.27	0.31	0.33	0.35	0.38	0.40	
0.30	0.50	0.20	0.21	0.25	0.28	0.30	0.33	0.35	0.36	0.38	0.39	
	0.30		0.18	0.22	0.25	0.27	0.31	0.33	0.34	0.37	0.38	
	0.10		0.16	0.20	0.23	0.25	0.29	0.31	0.33	0.35	0.37	
0.00	0.00	0.00	0.14	0.18	0.20	0.22	0.25	0.27	0.28	0.30	0.32	
BZ Class			6	5	6	6	6	6	6	6	6	6
DF(F)			0.14	0.18	0.20	0.22	0.25	0.27	0.28	0.30	0.32	
DF(W)			0.26	0.22	0.20	0.18	0.15	0.13	0.12	0.09	0.08	
DF(C)			0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
DF(V) <i>Cylindrical</i>			0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.12	0.13	
DF(S) <i>Scalar</i>			0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.13	0.14	

Flux Fraction Ratio = 0.29
SHR MAX = 1.85
SHR MAX(TR) = 2.26

CIE Flux Code = 37 / 67 / 87 / 77 52
Light Output Ratio = 0.52
Downward LOR = 0.40
Upward LOR = 0.12

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	97	97	97
5	100	100	100
10	101	98	98
15	101	95	95
20	102	92	92
25	101	88	88
30	99	85	85
35	97	81	81
40	93	76	76
45	90	69	69
50	86	63	63
55	83	55	55
60	79	46	46
65	73	37	37
70	66	28	28
75	58	18	18
80	52	9	9
85	45	1	1
90	42	0	0
95	42	0	0
100	41	0	0
105	40	0	0
110	38	0	0
115	36	0	0
120	35	0	0
125	33	0	0
130	30	0	0
135	27	0	0
140	25	0	0
145	22	0	0
150	18	0	0
155	15	0	0
160	11	0	0
165	8	0	0
170	5	0	0
175	2	0	0
180	0	0	0

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.089	0.004
10		0.177	0.016
15		0.262	0.034
20		0.342	0.060
25		0.417	0.091
30		0.486	0.127
35		0.549	0.167
40		0.605	0.210
45		0.653	0.254
50		0.693	0.298
55		0.726	0.340
60		0.750	0.378
65		0.767	0.412
70		0.778	0.439
75		0.785	0.458
80		0.787	0.470
85		0.788	0.475
90		0.788	0.475

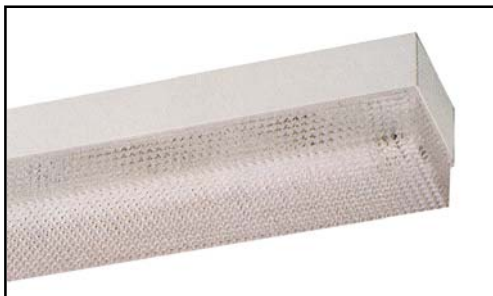
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		304	233
50		315	231
55		336	223
60		360	209
65		383	194
70		412	175
75		452	140
80		544	94
85		725	16

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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Blenheim Range

Description:

Surface fluorescent with prismatic controller,
600 x 600 four lamp

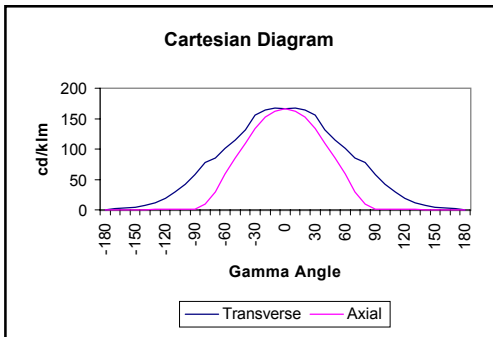
Dimensions (in mm):

Physical Length = 625
Luminous Length = 625



Physical Height = 95
Luminous Height = 45

Physical Width = 625
Luminous Width = 625



Conversion Terms:

BLN 418/P

Lamp

4 x 18W T8

UF & PC

1.00

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.50

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	0.33	0.38	0.42	0.45	0.49	0.52	0.54	0.57	0.59	
	0.30		0.28	0.33	0.37	0.40	0.45	0.48	0.50	0.54	0.56	
	0.10		0.25	0.29	0.34	0.37	0.41	0.45	0.47	0.51	0.54	
0.50	0.50	0.20	0.31	0.36	0.39	0.42	0.46	0.49	0.50	0.53	0.55	
	0.30		0.27	0.31	0.35	0.38	0.42	0.45	0.48	0.51	0.53	
	0.10		0.24	0.28	0.32	0.35	0.40	0.43	0.45	0.48	0.51	
0.30	0.50	0.20	0.30	0.34	0.37	0.40	0.43	0.45	0.47	0.49	0.51	
	0.30		0.26	0.30	0.34	0.36	0.40	0.43	0.45	0.47	0.49	
	0.10		0.24	0.27	0.31	0.34	0.38	0.41	0.43	0.46	0.48	
0.00	0.00	0.00	0.22	0.25	0.28	0.31	0.34	0.37	0.39	0.41	0.43	
			BZ Class	5	5	5	5	5	5	5	5	5
			DF(F)	0.22	0.25	0.28	0.31	0.34	0.37	0.39	0.41	0.43
DF(W)	0.32	0.29	0.25	0.23	0.19	0.17	0.15	0.12	0.10			
DF(C)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
DF(V) <i>Cylindrical</i>	0.03	0.05	0.06	0.07	0.09	0.11	0.12	0.15	0.17			
DF(S) <i>Scalar</i>	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.17	0.18			

Flux Fraction Ratio = 0.14
SHR MAX = 1.64
SHR MAX(TR) = 1.91

CIE Flux Code = 43 / 71 / 88 / 88 61
Light Output Ratio = 0.61
Downward LOR = 0.54
Upward LOR = 0.08

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	166	166	
5	167	164	
10	167	162	
15	167	158	
20	164	153	
25	158	149	
30	156	134	
35	142	121	
40	132	110	
45	122	98	
50	115	85	
55	107	73	
60	101	59	
65	94	44	
70	85	30	
75	81	19	
80	78	10	
85	70	4	
90	58	1	
95	49	2	
100	42	1	
105	35	1	
110	29	1	
115	23	1	
120	19	1	
125	15	1	
130	12	1	
135	8	1	
140	7	0	
145	5	0	
150	4	0	
155	4	0	
160	3	0	
165	3	0	
170	2	0	
175	1	0	
180	0	0	

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.087	0.004
10		0.172	0.015
15		0.254	0.033
20		0.332	0.058
25		0.405	0.088
30		0.471	0.123
35		0.528	0.159
40		0.576	0.196
45		0.616	0.233
50		0.649	0.268
55		0.674	0.301
60		0.693	0.330
65		0.705	0.355
70		0.713	0.373
75		0.717	0.385
80		0.718	0.392
85		0.719	0.396
90		0.719	0.397

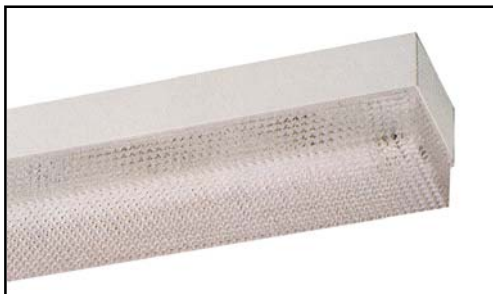
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45	412	331	
50	422	312	
55	433	295	
60	460	269	
65	493	231	
70	531	187	
75	631	148	
80	817	105	
85	1128	64	

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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Blenheim Range

Description:

Surface fluorescent with opal diffuser,
linear single lamp

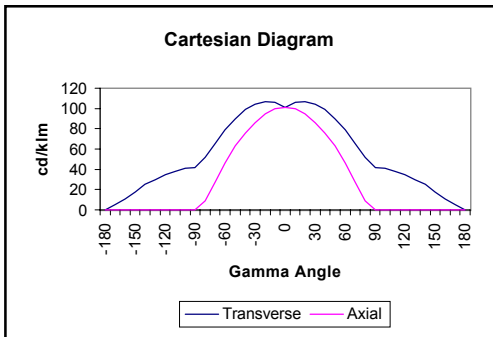
Dimensions (in mm):

Physical Length = 1552
Luminous Length = 1552



Physical Height = 90
Luminous Height = 45

Physical Width = 101
Luminous Width = 101



Conversion Terms:

BLN 136/O
BLN 158/O

Lamp

1 x 36W T8
1 x 58W T8

UF & PC

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	0.25	0.30	0.34	0.36	0.40	0.42	0.44	0.47	0.48	
	0.30		0.21	0.26	0.30	0.32	0.37	0.39	0.41	0.44	0.46	
	0.10		0.18	0.23	0.27	0.29	0.34	0.37	0.39	0.42	0.44	
0.50	0.50	0.20	0.23	0.28	0.31	0.33	0.37	0.39	0.40	0.43	0.44	
	0.30		0.20	0.24	0.28	0.30	0.34	0.36	0.38	0.41	0.42	
	0.10		0.17	0.22	0.25	0.28	0.31	0.34	0.36	0.39	0.41	
0.30	0.50	0.20	0.22	0.26	0.28	0.30	0.33	0.35	0.37	0.39	0.40	
	0.30		0.19	0.23	0.26	0.28	0.31	0.33	0.35	0.37	0.39	
	0.10		0.16	0.21	0.24	0.26	0.29	0.31	0.33	0.36	0.37	
0.00	0.00	0.00	0.14	0.18	0.21	0.23	0.25	0.27	0.29	0.31	0.32	
			BZ Class	6	5	5	5	5	6	6	6	6
			DF(F)	0.14	0.18	0.21	0.23	0.25	0.27	0.29	0.31	0.32
DF(W)	0.26	0.22	0.20	0.18	0.15	0.13	0.12	0.09	0.08			
DF(C)	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12			
DF(V) <i>Cylindrical</i>	0.02	0.04	0.05	0.06	0.08	0.09	0.10	0.12	0.13			
DF(S) <i>Scalar</i>	0.04	0.05	0.07	0.08	0.09	0.10	0.11	0.13	0.14			

Flux Fraction Ratio = 0.29
SHR MAX = 1.87
SHR MAX(TR) = 2.29

CIE Flux Code = 37 / 67 / 88 / 78 52
Light Output Ratio = 0.52
Downward LOR = 0.40
Upward LOR = 0.12

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	101	101	
5	105	100	
10	106	100	
15	106	97	
20	107	95	
25	106	91	
30	104	86	
35	102	81	
40	99	76	
45	95	69	
50	90	63	
55	85	55	
60	79	46	
65	73	37	
70	66	28	
75	58	18	
80	52	9	
85	45	1	
90	42	0	
95	42	0	
100	41	0	
105	40	0	
110	38	0	
115	36	0	
120	35	0	
125	33	0	
130	30	0	
135	27	0	
140	25	0	
145	22	0	
150	18	0	
155	15	0	
160	11	0	
165	8	0	
170	5	0	
175	2	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	0.034
20		0.335	0.059
25		0.409	0.089
30		0.477	0.125
35		0.538	0.163
40		0.592	0.205
45		0.638	0.247
50		0.676	0.289
55		0.707	0.330
60		0.731	0.367
65		0.747	0.398
70		0.758	0.424
75		0.764	0.443
80		0.767	0.455
85		0.767	0.459
90		0.767	0.460

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45	593	605	
50	583	604	
55	578	587	
60	569	559	
65	564	526	
70	554	484	
75	537	400	
80	542	284	
85	541	55	

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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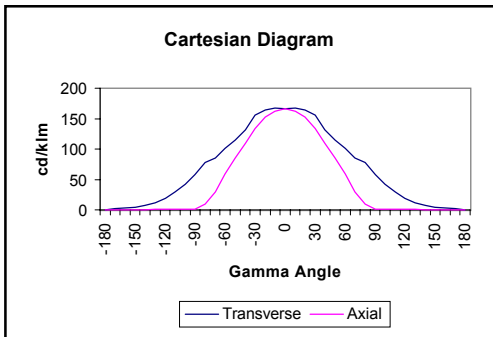
Dimensions (in mm):

Physical Length = 1552
Luminous Length = 1552



Physical Height = 90
Luminous Height = 45

Physical Width = 101
Luminous Width = 101



Conversion Terms:

BLN 136/P
BLN 158/P

Lamp

1 x 36W T8
1 x 58W T8

UF & PC

1.00
1.00

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.50

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	0.33	0.38	0.42	0.45	0.49	0.52	0.54	0.57	0.59	
	0.30		0.28	0.33	0.37	0.40	0.45	0.48	0.50	0.54	0.56	
	0.10		0.25	0.29	0.34	0.37	0.41	0.45	0.47	0.51	0.54	
0.50	0.50	0.20	0.31	0.36	0.39	0.42	0.46	0.49	0.50	0.53	0.55	
	0.30		0.27	0.31	0.35	0.38	0.42	0.45	0.48	0.51	0.53	
	0.10		0.24	0.28	0.32	0.35	0.40	0.43	0.45	0.48	0.51	
0.30	0.50	0.20	0.30	0.34	0.37	0.40	0.43	0.45	0.47	0.49	0.51	
	0.30		0.26	0.30	0.34	0.36	0.40	0.43	0.45	0.47	0.49	
	0.10		0.24	0.27	0.31	0.34	0.38	0.41	0.43	0.46	0.48	
0.00	0.00	0.00	0.22	0.25	0.28	0.31	0.34	0.37	0.39	0.41	0.43	
			BZ Class	5	5	5	5	5	5	5	5	5
			DF(F)	0.22	0.25	0.28	0.31	0.34	0.37	0.39	0.41	0.43
DF(W)	0.32	0.29	0.25	0.23	0.19	0.17	0.15	0.12	0.10			
DF(C)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
DF(V) <i>Cylindrical</i>	0.03	0.05	0.06	0.07	0.09	0.11	0.12	0.15	0.17			
DF(S) <i>Scalar</i>	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.17	0.18			

Flux Fraction Ratio = 0.14
SHR MAX = 1.64
SHR MAX(TR) = 1.91

CIE Flux Code = 43 / 71 / 88 / 88 61
Light Output Ratio = 0.61
Downward LOR = 0.54
Upward LOR = 0.08

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	166	166	
5	167	164	
10	167	162	
15	167	158	
20	164	153	
25	158	149	
30	156	134	
35	142	121	
40	132	110	
45	122	98	
50	115	85	
55	107	73	
60	101	59	
65	94	44	
70	85	30	
75	81	19	
80	78	10	
85	70	4	
90	58	1	
95	49	2	
100	42	1	
105	35	1	
110	29	1	
115	23	1	
120	19	1	
125	15	1	
130	12	1	
135	8	1	
140	7	0	
145	5	0	
150	4	0	
155	4	0	
160	3	0	
165	3	0	
170	2	0	
175	1	0	
180	0	0	

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.087	0.004
10		0.172	0.015
15		0.254	0.033
20		0.332	0.058
25		0.405	0.088
30		0.471	0.123
35		0.528	0.159
40		0.576	0.196
45		0.616	0.233
50		0.649	0.268
55		0.674	0.301
60		0.693	0.330
65		0.705	0.355
70		0.713	0.373
75		0.717	0.385
80		0.718	0.392
85		0.719	0.396
90		0.719	0.397

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		761	859
50		746	815
55		727	780
60		727	717
65		726	625
70		713	518
75		750	423
80		813	316
85		841	220

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Blenheim Range

Description:

Surface fluorescent with opal diffuser,
linear twin lamp

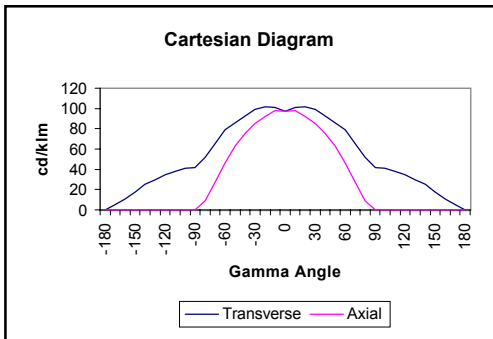
Dimensions (in mm):

Physical Length = 1552
Luminous Length = 1552



Physical Height = 90
Luminous Height = 45

Physical Width = 165
Luminous Width = 165



Conversion Terms:	Lamp	UF & PC
BLN 236/O	2 x 36W T8	1.00
BLN 258/O	2 x 58W T8	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	0.25	0.30	0.33	0.36	0.39	0.42	0.44	0.46	0.48	
	0.30		0.21	0.26	0.29	0.32	0.36	0.39	0.41	0.44	0.46	
	0.10		0.18	0.23	0.26	0.29	0.33	0.36	0.38	0.41	0.44	
0.50	0.50	0.20	0.23	0.27	0.30	0.33	0.36	0.38	0.40	0.42	0.43	
	0.30		0.19	0.24	0.27	0.30	0.33	0.36	0.37	0.40	0.42	
	0.10		0.17	0.21	0.25	0.27	0.31	0.33	0.35	0.38	0.40	
0.30	0.50	0.20	0.21	0.25	0.28	0.30	0.33	0.35	0.36	0.38	0.39	
	0.30		0.18	0.22	0.25	0.27	0.31	0.33	0.34	0.37	0.38	
	0.10		0.16	0.20	0.23	0.25	0.29	0.31	0.33	0.35	0.37	
0.00	0.00	0.00	0.14	0.18	0.20	0.22	0.25	0.27	0.28	0.30	0.32	
BZ Class			6	5	6	6	6	6	6	6	6	
DF(F)			0.14	0.18	0.20	0.22	0.25	0.27	0.28	0.30	0.32	
DF(W)			0.26	0.22	0.20	0.18	0.15	0.13	0.12	0.09	0.08	
DF(C)			0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
DF(V) <i>Cylindrical</i>			0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.12	0.13	
DF(S) <i>Scalar</i>			0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.13	0.14	

Flux Fraction Ratio = 0.29
SHR MAX = 1.85
SHR MAX(TR) = 2.26

CIE Flux Code = 37 / 67 / 87 / 77 52
Light Output Ratio = 0.52
Downward LOR = 0.40
Upward LOR = 0.12

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	97	97	97
5	100	100	100
10	101	98	98
15	101	95	95
20	102	92	92
25	101	88	88
30	99	85	85
35	97	81	81
40	93	76	76
45	90	69	69
50	86	63	63
55	83	55	55
60	79	46	46
65	73	37	37
70	66	28	28
75	58	18	18
80	52	9	9
85	45	1	1
90	42	0	0
95	42	0	0
100	41	0	0
105	40	0	0
110	38	0	0
115	36	0	0
120	35	0	0
125	33	0	0
130	30	0	0
135	27	0	0
140	25	0	0
145	22	0	0
150	18	0	0
155	15	0	0
160	11	0	0
165	8	0	0
170	5	0	0
175	2	0	0
180	0	0	0

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.089	0.004
10		0.177	0.016
15		0.262	0.034
20		0.342	0.060
25		0.417	0.091
30		0.486	0.127
35		0.549	0.167
40		0.605	0.210
45		0.653	0.254
50		0.693	0.298
55		0.726	0.340
60		0.750	0.378
65		0.767	0.412
70		0.778	0.439
75		0.785	0.458
80		0.787	0.470
85		0.788	0.475
90		0.788	0.475

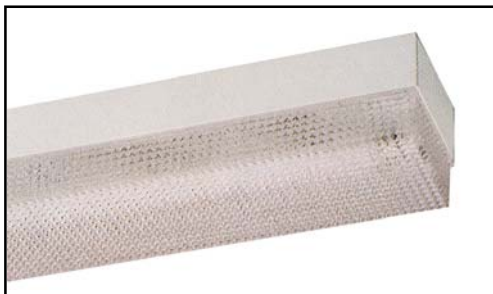
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		391	370
50		394	370
55		407	360
60		419	342
65		426	322
70		431	296
75		434	245
80		459	174
85		490	34

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Blenheim Range

Description:

Surface fluorescent with prismatic controller, linear twin lamp

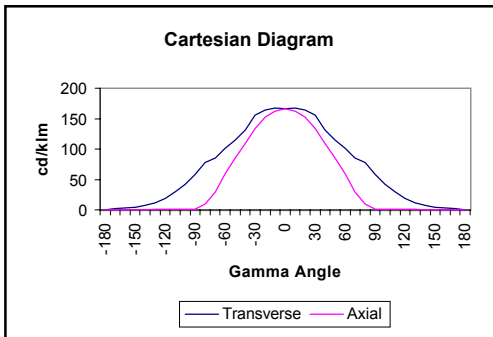
Dimensions (in mm):

Physical Length = 1552
Luminous Length = 1552



Physical Height = 90
Luminous Height = 45

Physical Width = 165
Luminous Width = 165



Conversion Terms:

BLN 236/P
BLN 258/P

Lamp

2 x 36W T8
2 x 58W T8

UF & PC

1.00
1.00

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.50

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	0.33	0.38	0.42	0.45	0.49	0.52	0.54	0.57	0.59	
	0.30		0.28	0.33	0.37	0.40	0.45	0.48	0.50	0.54	0.56	
	0.10		0.25	0.29	0.34	0.37	0.41	0.45	0.47	0.51	0.54	
0.50	0.50	0.20	0.31	0.36	0.39	0.42	0.46	0.49	0.50	0.53	0.55	
	0.30		0.27	0.31	0.35	0.38	0.42	0.45	0.48	0.51	0.53	
	0.10		0.24	0.28	0.32	0.35	0.40	0.43	0.45	0.48	0.51	
0.30	0.50	0.20	0.30	0.34	0.37	0.40	0.43	0.45	0.47	0.49	0.51	
	0.30		0.26	0.30	0.34	0.36	0.40	0.43	0.45	0.47	0.49	
	0.10		0.24	0.27	0.31	0.34	0.38	0.41	0.43	0.46	0.48	
0.00	0.00	0.00	0.22	0.25	0.28	0.31	0.34	0.37	0.39	0.41	0.43	
			BZ Class	5	5	5	5	5	5	5	5	5
			DF(F)	0.22	0.25	0.28	0.31	0.34	0.37	0.39	0.41	0.43
DF(W)	0.32	0.29	0.25	0.23	0.19	0.17	0.15	0.12	0.10			
DF(C)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
DF(V) <i>Cylindrical</i>	0.03	0.05	0.06	0.07	0.09	0.11	0.12	0.15	0.17			
DF(S) <i>Scalar</i>	0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.17	0.18			

Flux Fraction Ratio = 0.14
SHR MAX = 1.64
SHR MAX(TR) = 1.91

CIE Flux Code = 43 / 71 / 88 / 88 61
Light Output Ratio = 0.61
Downward LOR = 0.54
Upward LOR = 0.08

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	166	166	
5	167	164	
10	167	162	
15	167	158	
20	164	153	
25	158	149	
30	156	134	
35	142	121	
40	132	110	
45	122	98	
50	115	85	
55	107	73	
60	101	59	
65	94	44	
70	85	30	
75	81	19	
80	78	10	
85	70	4	
90	58	1	
95	49	2	
100	42	1	
105	35	1	
110	29	1	
115	23	1	
120	19	1	
125	15	1	
130	12	1	
135	8	1	
140	7	0	
145	5	0	
150	4	0	
155	4	0	
160	3	0	
165	3	0	
170	2	0	
175	1	0	
180	0	0	

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.087	0.004
10		0.172	0.015
15		0.254	0.033
20		0.332	0.058
25		0.405	0.088
30		0.471	0.123
35		0.528	0.159
40		0.576	0.196
45		0.616	0.233
50		0.649	0.268
55		0.674	0.301
60		0.693	0.330
65		0.705	0.355
70		0.713	0.373
75		0.717	0.385
80		0.718	0.392
85		0.719	0.396
90		0.719	0.397

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45	529	526	
50	527	499	
55	524	477	
60	536	439	
65	548	383	
70	555	317	
75	606	259	
80	689	193	
85	762	135	

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