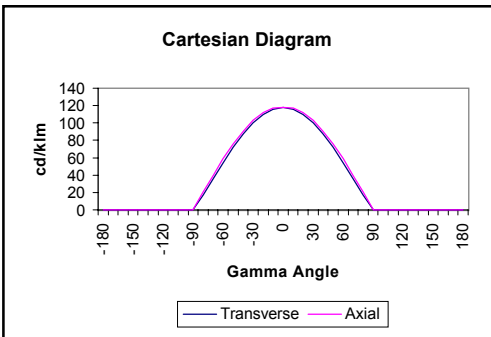


Brooklyn Range

Description:

Recessed wall light with opal Polycarbonate framed panel



Dimensions (in mm):

Physical Length = 223
Luminous Length = 183



Physical Height = 82
Luminous Height = 0

Physical Width = 114
Luminous Width = 94

Conversion Terms:

BKN 105/O
BKN 107/O

Lamp

1 x 5W TC-S
1 x 7W TC-S

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	0.21	0.24	0.27	0.29	0.31	0.33	0.34	0.36	0.37	
	0.30		0.18	0.21	0.24	0.26	0.29	0.31	0.32	0.34	0.36	
	0.10		0.16	0.19	0.22	0.24	0.27	0.29	0.31	0.33	0.34	
0.50	0.50	0.20	0.20	0.23	0.26	0.28	0.30	0.32	0.33	0.35	0.36	
	0.30		0.18	0.21	0.23	0.25	0.28	0.30	0.31	0.33	0.34	
	0.10		0.16	0.19	0.22	0.24	0.26	0.28	0.30	0.32	0.33	
0.30	0.50	0.20	0.20	0.23	0.25	0.27	0.29	0.31	0.32	0.33	0.34	
	0.30		0.18	0.20	0.23	0.25	0.27	0.29	0.30	0.32	0.33	
	0.10		0.16	0.19	0.21	0.23	0.26	0.28	0.29	0.31	0.32	
0.00	0.00	0.00	0.15	0.18	0.20	0.22	0.25	0.26	0.28	0.30	0.31	
BZ Class			5	5	5	5	5	5	5	5	5	
DF(F)			0.15	0.18	0.20	0.22	0.25	0.26	0.28	0.30	0.31	
DF(W)			0.21	0.19	0.16	0.14	0.12	0.10	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>			0.02	0.03	0.05	0.05	0.07	0.08	0.09	0.10	0.11	
DF(S) <i>Scalar</i>			0.04	0.05	0.06	0.07	0.09	0.10	0.10	0.11	0.12	

Flux Fraction Ratio = 0.00
SHR MAX = 1.62
SHR MAX(TR) = 1.82

CIE Flux Code = 44 / 75 / 93 / 100 36
Light Output Ratio = 0.36
Downward LOR = 0.36
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	118	118	
5	118	118	
10	116	117	
15	113	115	
20	110	112	
25	105	108	
30	100	103	
35	94	97	
40	88	91	
45	80	84	
50	72	76	
55	63	68	
60	54	59	
65	45	50	
70	36	40	
75	26	31	
80	17	21	
85	11	14	
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		0.257	0.034
20		0.337	0.059
25		0.413	0.090
30		0.482	0.126
35		0.544	0.166
40		0.599	0.208
45		0.647	0.252
50		0.687	0.296
55		0.719	0.338
60		0.745	0.378
65		0.763	0.414
70		0.776	0.444
75		0.784	0.469
80		0.788	0.488
85		0.790	0.501
90		0.790	0.506

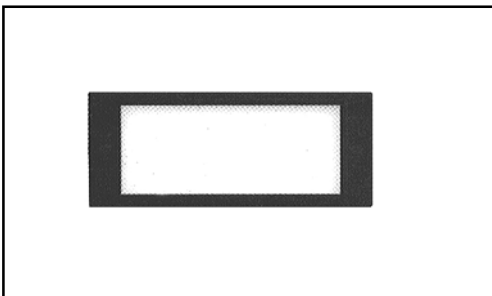
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		6577	6906
50		6512	6873
55		6385	6892
60		6278	6860
65		6190	6878
70		6119	6799
75		5840	6963
80		5691	7030
85		7337	9338

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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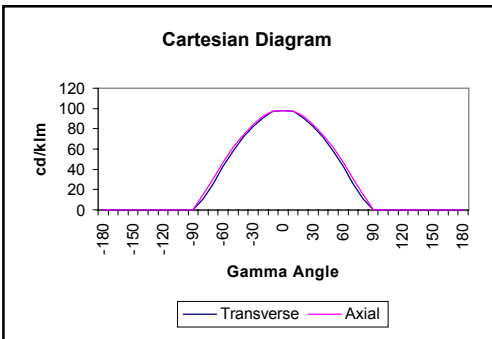
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Brooklyn Range

Description:

Recessed wall light with opal Polycarbonate framed panel



Dimensions (in mm):

Physical Length = 223
Luminous Length = 183



Physical Height = 82
Luminous Height = 0

Physical Width = 114
Luminous Width = 94

Conversion Terms:

BKN 205/O
BKN 207/O

Lamp

2 x 5W TC-S
2 x 7W TC-S

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	0.17	0.19	0.22	0.23	0.25	0.27	0.28	0.29	0.30	
	0.30		0.15	0.17	0.20	0.21	0.23	0.25	0.26	0.28	0.29	
	0.10		0.13	0.16	0.18	0.20	0.22	0.24	0.25	0.27	0.28	
0.50	0.50	0.20	0.17	0.19	0.21	0.22	0.24	0.26	0.27	0.28	0.29	
	0.30		0.15	0.17	0.19	0.21	0.23	0.24	0.25	0.27	0.28	
	0.10		0.13	0.15	0.18	0.19	0.21	0.23	0.24	0.26	0.27	
0.30	0.50	0.20	0.16	0.18	0.20	0.22	0.23	0.25	0.26	0.27	0.27	
	0.30		0.14	0.17	0.19	0.20	0.22	0.24	0.25	0.26	0.27	
	0.10		0.13	0.15	0.17	0.19	0.21	0.23	0.24	0.25	0.26	
0.00	0.00	0.00	0.13	0.15	0.17	0.18	0.20	0.21	0.22	0.24	0.25	
BZ Class			4	5	4	4	5	5	5	5	5	
DF(F)			0.13	0.15	0.17	0.18	0.20	0.21	0.22	0.24	0.25	
DF(W)			0.16	0.14	0.12	0.11	0.09	0.07	0.06	0.05	0.04	
DF(C)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DF(V) Cylindrical			0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.09	
DF(S) Scalar			0.04	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.10	

Flux Fraction Ratio = 0.00
SHR MAX = 1.60
SHR MAX(TR) = 1.80

CIE Flux Code = 46 / 78 / 94 / 100 29
Light Output Ratio = 0.29
Downward LOR = 0.29
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)
0	98	98
5	98	98
10	97	97
15	94	95
20	91	93
25	87	89
30	82	84
35	77	80
40	72	74
45	65	68
50	58	62
55	51	55
60	43	47
65	35	39
70	26	31
75	18	23
80	11	15
85	6	8
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
5		0.087
10		0.173
15		0.257
20		0.337
25		0.412
30		0.480
35		0.542
40		0.596
45		0.643
50		0.682
55		0.714
60		0.738
65		0.756
70		0.767
75		0.775
80		0.778
85		0.780
90		0.780

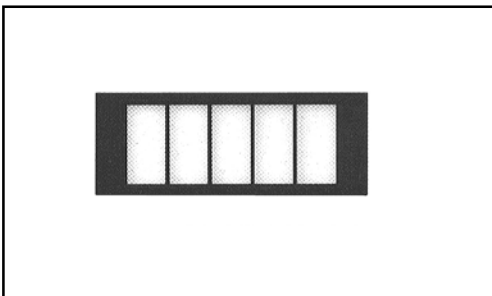
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane
45	5344	5590
50	5245	5607
55	5169	5574
60	4999	5464
65	4814	5365
70	4419	5269
75	4043	5166
80	3683	5022
85	4002	5336

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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Brooklyn Range

Description:

Recessed wall light with opal Polycarbonate framed vertical grille

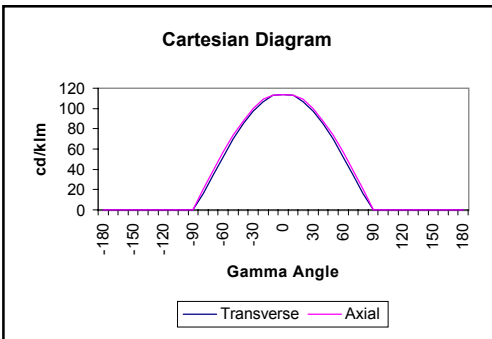
Dimensions (in mm):

Physical Length = 223
Luminous Length = 183



Physical Height = 82
Luminous Height = 0

Physical Width = 114
Luminous Width = 94



Conversion Terms:	Lamp	UF & PC
BKN 105/G	1 x 5W TC-S	1.00
BKN 107/G	1 x 7W TC-S	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	0.20	0.23	0.26	0.28	0.30	0.32	0.33	0.35	0.36	
	0.30		0.18	0.21	0.23	0.25	0.28	0.30	0.31	0.33	0.35	
	0.10		0.16	0.18	0.21	0.23	0.26	0.28	0.30	0.32	0.34	
0.50	0.50	0.20	0.20	0.23	0.25	0.27	0.29	0.31	0.32	0.34	0.35	
	0.30		0.17	0.20	0.23	0.25	0.27	0.29	0.30	0.32	0.33	
	0.10		0.16	0.18	0.21	0.23	0.26	0.28	0.29	0.31	0.32	
0.30	0.50	0.20	0.19	0.22	0.24	0.26	0.28	0.30	0.31	0.32	0.33	
	0.30		0.17	0.20	0.22	0.24	0.27	0.28	0.30	0.31	0.32	
	0.10		0.16	0.18	0.21	0.23	0.25	0.27	0.28	0.30	0.31	
0.00	0.00	0.00	0.15	0.17	0.20	0.22	0.24	0.26	0.27	0.29	0.30	
BZ Class			5	5	5	5	5	5	5	5	5	
DF(F)			0.15	0.17	0.20	0.22	0.24	0.26	0.27	0.29	0.30	
DF(W)			0.21	0.18	0.16	0.14	0.11	0.10	0.08	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) Cylindrical			0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.11	
DF(S) Scalar			0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	

Flux Fraction Ratio = 0.00
SHR MAX = 1.62
SHR MAX(TR) = 1.83

CIE Flux Code = 44 / 75 / 93 / 100 35
Light Output Ratio = 0.35
Downward LOR = 0.35
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0		114	114
5		114	114
10		113	113
15		110	112
20		107	109
25		102	105
30		97	100
35		91	94
40		85	88
45		78	81
50		70	74
55		61	66
60		52	57
65		44	49
70		35	39
75		25	30
80		16	20
85		11	14
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		0.258	0.034
20		0.338	0.059
25		0.414	0.091
30		0.484	0.127
35		0.546	0.167
40		0.602	0.209
45		0.649	0.253
50		0.689	0.297
55		0.722	0.339
60		0.747	0.379
65		0.766	0.415
70		0.779	0.446
75		0.787	0.472
80		0.791	0.490
85		0.793	0.503
90		0.793	0.509

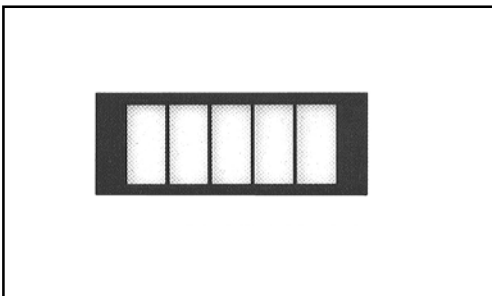
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		6413	6659
50		6331	6692
55		6182	6689
60		6046	6627
65		6052	6740
70		5949	6629
75		5615	6738
80		5356	6695
85		7337	9338

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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Brooklyn Range

Description:

Recessed wall light with opal Polycarbonate framed vertical grille

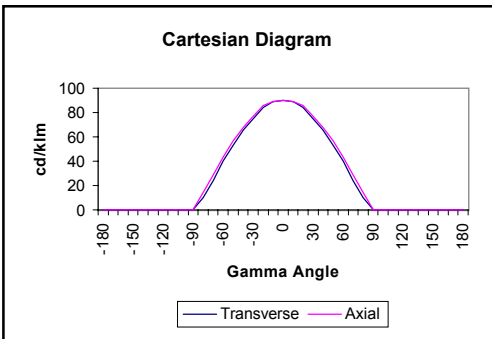
Dimensions (in mm):

Physical Length = 223
Luminous Length = 183



Physical Height = 82
Luminous Height = 0

Physical Width = 114
Luminous Width = 94



Conversion Terms:

BKN 205/G
BKN 207/G

Lamp

2 x 5W TC-S
2 x 7W TC-S

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	0.16	0.18	0.20	0.21	0.23	0.24	0.25	0.27	0.27	
	0.30		0.14	0.16	0.18	0.19	0.22	0.23	0.24	0.25	0.26	
	0.10		0.12	0.14	0.16	0.18	0.20	0.22	0.23	0.24	0.26	
0.50	0.50	0.20	0.15	0.17	0.19	0.21	0.22	0.24	0.24	0.26	0.26	
	0.30		0.13	0.16	0.18	0.19	0.21	0.22	0.23	0.25	0.25	
	0.10		0.12	0.14	0.16	0.18	0.20	0.21	0.22	0.24	0.25	
0.30	0.50	0.20	0.15	0.17	0.19	0.20	0.22	0.23	0.24	0.25	0.25	
	0.30		0.13	0.15	0.17	0.19	0.20	0.22	0.23	0.24	0.25	
	0.10		0.12	0.14	0.16	0.17	0.19	0.21	0.22	0.23	0.24	
0.00	0.00	0.00	0.12	0.13	0.15	0.17	0.19	0.20	0.21	0.22	0.23	
BZ Class			4	5	4	4	5	5	5	5	5	
DF(F)			0.12	0.13	0.15	0.17	0.19	0.20	0.21	0.22	0.23	
DF(W)			0.15	0.13	0.11	0.10	0.08	0.07	0.06	0.05	0.04	
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>			0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.08	
DF(S) <i>Scalar</i>			0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	

Flux Fraction Ratio = 0.00
SHR MAX = 1.60
SHR MAX(TR) = 1.79

CIE Flux Code = 46 / 78 / 94 / 100 27
Light Output Ratio = 0.27
Downward LOR = 0.27
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	90	90	
5	90	90	
10	89	89	
15	86	87	
20	84	86	
25	80	82	
30	75	77	
35	71	74	
40	66	68	
45	60	63	
50	53	57	
55	47	51	
60	40	43	
65	32	36	
70	24	29	
75	17	21	
80	10	14	
85	6	7	
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		0.257	0.034
20		0.337	0.059
25		0.412	0.090
30		0.480	0.126
35		0.542	0.165
40		0.597	0.207
45		0.644	0.250
50		0.683	0.293
55		0.715	0.335
60		0.739	0.373
65		0.757	0.407
70		0.769	0.436
75		0.776	0.459
80		0.780	0.476
85		0.781	0.486
90		0.781	0.489

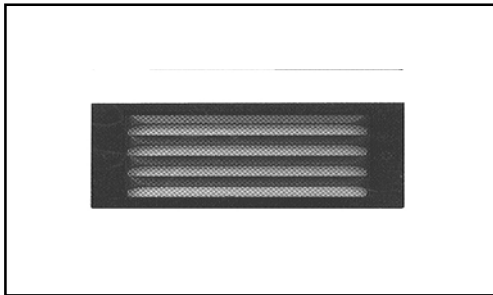
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45	4933	5179	
50	4793	5155	
55	4764	5169	
60	4651	4999	
65	4402	4952	
70	4079	4929	
75	3818	4717	
80	3348	4687	
85	4002	4669	

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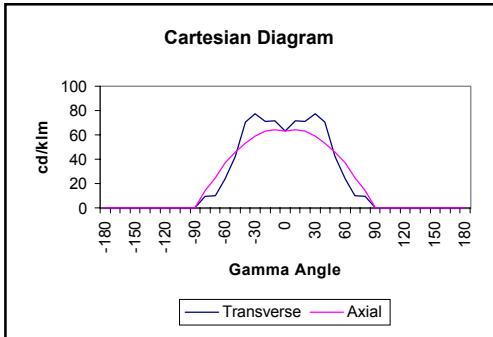
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Brooklyn Range

Description:

Recessed wall light with opal Polycarbonate framed horizontal louvre



Dimensions (in mm):

Physical Length = 223
Luminous Length = 183



Physical Height = 82
Luminous Height = 0

Physical Width = 114
Luminous Width = 94

Conversion Terms:

BKN 105/L
BKN 107/L

Lamp

1 x 5W TC-S
1 x 7W TC-S

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	0.14	0.17	0.18	0.19	0.21	0.22	0.22	0.23	0.24	
	0.30		0.12	0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.23	
	0.10		0.11	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.22	
0.50	0.50	0.20	0.13	0.16	0.18	0.19	0.20	0.21	0.22	0.22	0.23	
	0.30		0.12	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.22	
	0.10		0.11	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22	
0.30	0.50	0.20	0.13	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	
	0.30		0.12	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	
	0.10		0.11	0.13	0.15	0.16	0.18	0.19	0.19	0.20	0.21	
0.00	0.00	0.00	0.10	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20	
BZ Class			4	4	4	4	4	4	4	4	5	
DF(F)			0.10	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20	
DF(W)			0.13	0.10	0.09	0.08	0.06	0.06	0.05	0.04	0.03	
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>			0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	
DF(S) <i>Scalar</i>			0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	

Flux Fraction Ratio = 0.00
SHR MAX = 1.94
SHR MAX(TR) = 2.17

CIE Flux Code = 47 / 80 / 93 / 100 23
Light Output Ratio = 0.23
Downward LOR = 0.23
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0		63	63
5		69	63
10		72	64
15		76	64
20		71	63
25		74	62
30		78	59
35		81	57
40		71	53
45		57	49
50		42	46
55		34	42
60		24	37
65		12	32
70		10	25
75		10	19
80		10	14
85		9	10
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		0.175	0.015
15		0.261	0.035
20		0.345	0.061
25		0.425	0.094
30		0.499	0.133
35		0.567	0.176
40		0.628	0.223
45		0.680	0.270
50		0.724	0.319
55		0.761	0.367
60		0.791	0.414
65		0.813	0.456
70		0.828	0.492
75		0.837	0.522
80		0.842	0.544
85		0.844	0.560
90		0.844	0.567

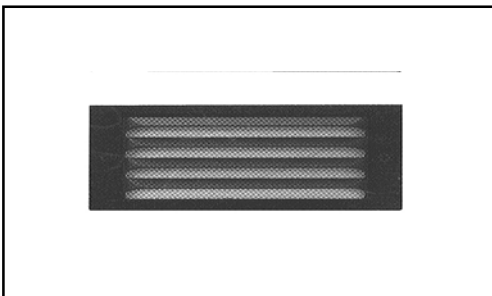
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		4686	4028
50		3798	4160
55		3395	4257
60		2732	4302
65		1651	4402
70		1700	4249
75		2134	4268
80		3180	4687
85		6003	6670

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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Brooklyn Range

Description:

Recessed wall light with opal Polycarbonate framed horizontal louvre

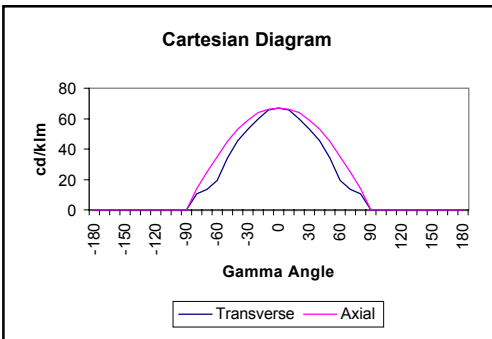
Dimensions (in mm):

Physical Length = 223
Luminous Length = 183



Physical Height = 82
Luminous Height = 0

Physical Width = 114
Luminous Width = 94



Conversion Terms:	Lamp	UF & PC
BKN 205/L	2 x 5W TC-S	1.00
BKN 207/L	2 x 7W TC-S	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	0.11	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.10		0.09	0.10	0.12	0.13	0.14	0.16	0.16	0.17	0.18	
0.50	0.50	0.20	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.18	0.19	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.18	
	0.10		0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
0.30	0.50	0.20	0.11	0.12	0.13	0.14	0.16	0.16	0.17	0.18	0.18	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.16	0.17	0.18	
	0.10		0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.17	
0.00	0.00	0.00	0.08	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.16	
BZ Class			4	5	5	5	5	5	5	5	5	
DF(F)			0.08	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.16	
DF(W)			0.11	0.10	0.08	0.07	0.06	0.05	0.05	0.04	0.03	
DF(C)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DF(V) Cylindrical			0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.06	
DF(S) Scalar			0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.06	0.06	

Flux Fraction Ratio = 0.00
SHR MAX = 1.56
SHR MAX(TR) = 1.73

CIE Flux Code = 46 / 76 / 92 / 100 19
Light Output Ratio = 0.19
Downward LOR = 0.19
Upward LOR = 0.00

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)
0	67	67
5	67	67
10	66	66
15	64	65
20	60	64
25	57	61
30	53	59
35	50	56
40	46	53
45	40	49
50	34	45
55	27	40
60	20	35
65	16	31
70	14	25
75	12	19
80	11	14
85	9	9
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
5		0.087
10		0.173
15		0.257
20		0.337
25		0.412
30		0.481
35		0.544
40		0.601
45		0.650
50		0.691
55		0.725
60		0.751
65		0.771
70		0.785
75		0.793
80		0.798
85		0.800
90		0.800

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane
45	3288	4028
50	3075	4070
55	2736	4054
60	2267	4069
65	2201	4264
70	2295	4249
75	2695	4268
80	3515	4687
85	5669	6003

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