

METAL HALIDE LOW BAY PAC 250 WATT

250 WATT METAL HALIDE LOW BAY PAC

LBP250MH



FEATURES

- Easier and faster to install as base can be mounted and hard wired prior to installation of luminaire. A simple plug-in arrangement completes installation.
- For maintenance, the main body casing is hinged to allow the unit to swing down, providing ample obstruction free access to control gear.
- Sturdy wire mesh offers optimum lamp protection.
- Well ventilated gear housing.
- Quality rigid steel construction, polyester epoxy powder coated and baked for high protection and quality finish.
- In areas where wide spacing between the luminaire is desirable, the reflector has been designed to achieve the required uniformity at spacings up to and including 1.75 times the mounting height with out incurring forbidden zones.
- Large 16 amp, 6mm terminal blocks for fast, easy cable connections.
- Available in high pressure Sodium, Mercury Vapour and Metal Halide.
- Control gear mounted on removeable assembly tray for ease of maintenance.

OPTIONS

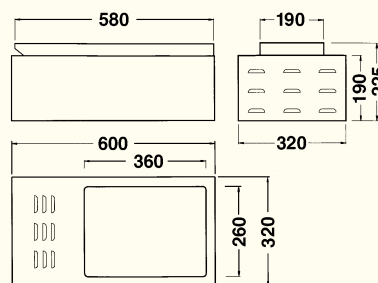
- Optional tempered glass can replace or be used in conjunction with wire guard.
- Standby tungsten halogen lamp and relay.

APPLICATION

The Davis Lowbay Pac is suitable for low ceiling applications of between 3 to 6 metres, where high lighting levels are required and running costs are a prime consideration.

This product is particularly suitable for loading docks, low ceiling stores and warehouses, production areas, service stations and vehicle repair and service areas.

DIMENSIONS



'Quickfit' plug-in socket for easy installation



Hinges on main casing for ease of servicing



Manufactured to standards – EN60598.1



EN60598.2.1

EN60598.2.2

EN55015 (AS/NZS 4051)

EMC Compliant Supplier Code N1562 (Aust)



SIRIM
CERTIFIED TO MS ISO 9002
REGISTRATION No. ART248

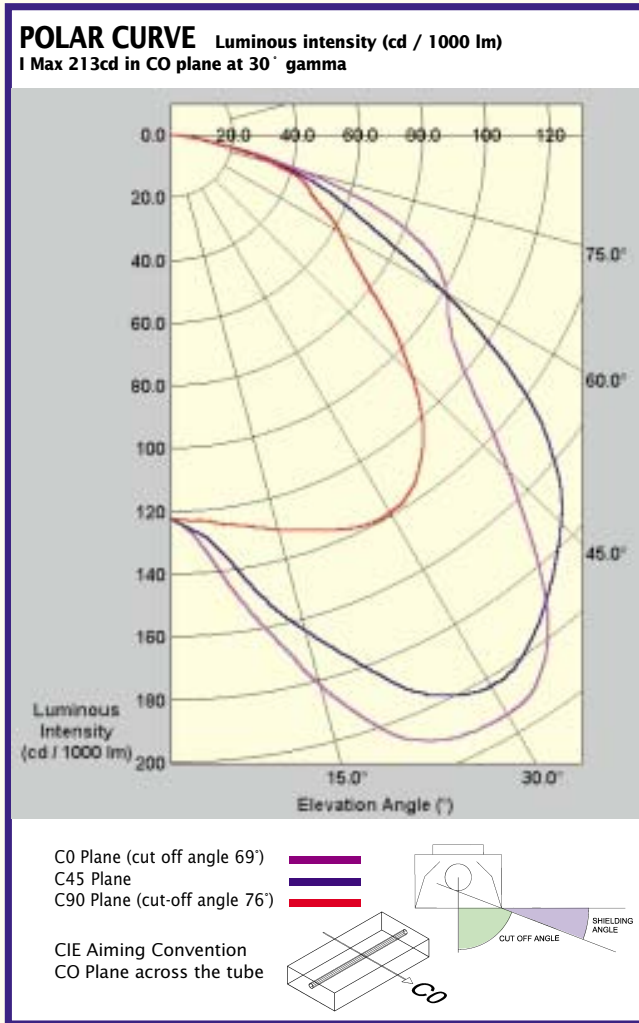


"When your
business
depends
on light."

250 WATT METAL HALIDE LOW BAY PAC LBP250MH

LBP250MH LOW BAY PAC

Photometric data also applies to 250 Watt Mercury Vapour model LBP250MV.



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0°	122.0	122.0	122.0	122.0	122.0
5°	133.0	131.0	128.0	125.0	123.0
10°	156.0	153.0	145.0	132.0	126.0
15°	181.0	175.0	163.0	143.0	130.0
20°	203.0	197.0	180.0	155.0	134.0
25°	212.0	211.0	197.0	164.0	138.0
30°	213.0	212.0	203.0	169.0	139.0
35°	206.0	209.0	198.0	169.0	135.0
40°	183.0	199.0	187.0	160.0	125.0
45°	151.0	175.0	175.0	146.0	108.0
50°	124.0	152.0	158.0	128.0	89.0
55°	108.0	128.0	132.0	106.0	72.0
60°	101.0	106.0	100.0	86.0	62.0
65°	92.0	89.0	71.0	68.0	52.0
70°	72.0	74.0	54.0	44.0	46.0
75°	41.0	45.0	35.0	30.0	32.0
80°	15.0	16.0	15.0	15.0	15.0
85°	6.0	6.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45°	2441	2828	1746
55°	2152	2630	1435
65°	2488	1920	1406
75°	1810	1545	1413
85°	787	656	656

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)											
LOR: 60.2%				SHR NOM: 1.75 : 1.0				SHR MAX: 1.84 : 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	N/A	0.43	0.47	0.50	0.54	0.57	0.59	0.61	0.63
0.70	0.30	0.20	N/A	0.38	0.43	0.46	0.51	0.54	0.56	0.59	0.61
0.70	0.10	0.20	N/A	0.35	0.39	0.43	0.48	0.51	0.54	0.57	0.59
0.50	0.50	0.20	N/A	0.41	0.45	0.48	0.52	0.55	0.57	0.59	0.60
0.50	0.30	0.20	N/A	0.38	0.42	0.45	0.49	0.52	0.54	0.57	0.59
0.50	0.10	0.20	N/A	0.35	0.39	0.42	0.47	0.50	0.52	0.56	0.57
0.30	0.50	0.20	N/A	0.40	0.44	0.47	0.51	0.53	0.55	0.57	0.58
0.30	0.30	0.20	N/A	0.37	0.41	0.44	0.48	0.51	0.53	0.55	0.57
0.30	0.10	0.20	N/A	0.34	0.38	0.42	0.46	0.49	0.51	0.54	0.56
0.00	0.00	0.00	N/A	0.33	0.37	0.40	0.44	0.47	0.49	0.51	0.53
Distribution Factors	Floor:	N/A	0.33	0.37	0.40	0.44	0.47	0.49	0.51	0.53	
	Walls:	N/A	0.27	0.23	0.20	0.16	0.13	0.12	0.09	0.07	
	Ceiling:	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bz Numbers			N/A	4	4	4	4	4	4	4	4

MALAYSIA

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"When your business depends on light."

HIGH PRESSURE SODIUM LOW BAY PAC 250 WATT

LBP250S



FEATURES

- Easier and faster to install as base can be mounted and hard wired prior to installation of luminaire. A simple plug-in arrangement completes installation.
- For maintenance, the main body casing is hinged to allow the unit to swing down, providing ample obstruction free access to control gear.
- Sturdy wire mesh offers optimum lamp protection.
- Well ventilated gear housing.
- Quality rigid steel construction, polyester epoxy powder coated and baked for high protection and quality finish.
- In areas where wide spacing between the luminaire is desirable, the reflector has been designed to achieve the required uniformity at spacings up to and including 1.75 times the mounting height with out incurring forbidden zones.
- Large 16 amp, 6mm terminal blocks for fast, easy cable connections.
- Available in high pressure Sodium, Mercury Vapour and Metal Halide.
- Control gear mounted on removeable assembly tray for ease of maintenance.

OPTIONS

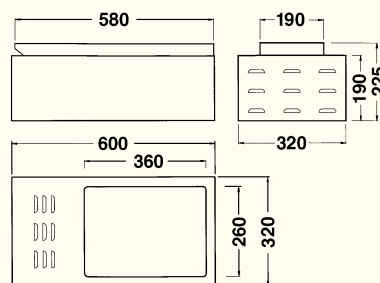
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APPLICATION

The Davis Lowbay Pac is suitable for low ceiling applications of between 3 to 6 metres, where high lighting levels are required and running costs are a prime consideration.

This product is particularly suitable for loading docks, low ceiling stores and warehouses, production areas, service stations and vehicle repair and service areas.

DIMENSIONS



'Quickfit' plug-in socket for easy installation



Hinges on main casing for ease of servicing

250 WATT HIGH PRESSURE SODIUM LOW BAY PAC



Manufactured to standards – EN60598.1



EN60598.2.1

EN60598.2.2

EN55015 (AS/NZS 4051)

EMC Compliant Supplier Code N1562 (Aust)



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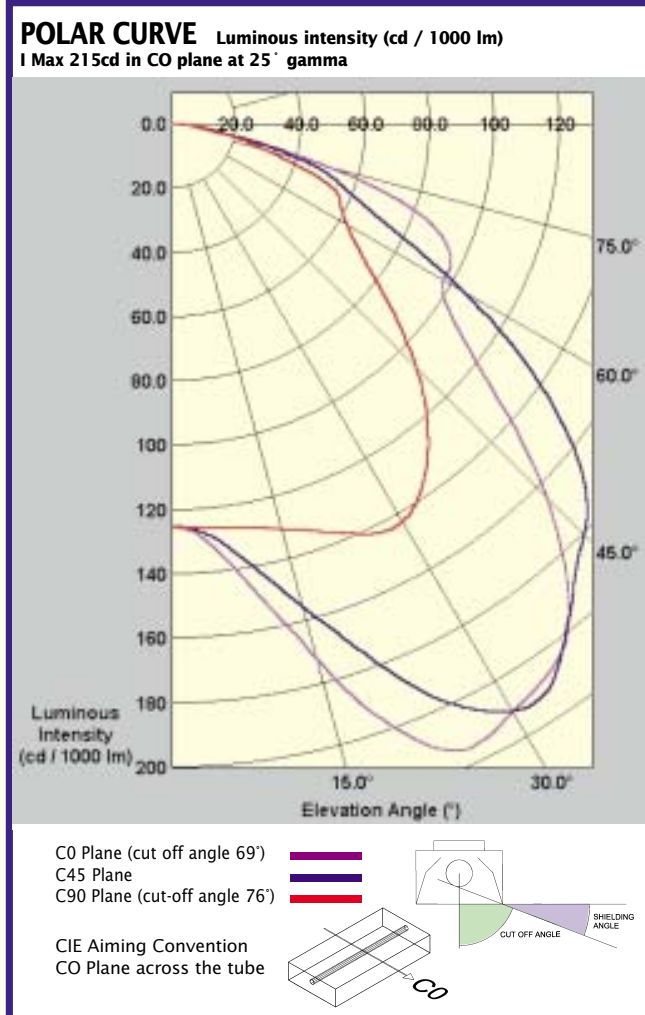


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250 WATT HIGH PRESSURE SODIUM LOW BAY PAC LBP250S

LBP250S LOW BAY PAC

Photometric data also applies to 150 Watt High Pressure Sodium model LBP 150S.



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0°	125.0	125.0	125.0	125.0	125.0
5°	130.0	129.0	128.0	126.0	126.0
10°	147.0	145.0	138.0	131.0	127.0
15°	170.0	166.0	155.0	139.0	130.0
20°	199.0	195.0	175.0	151.0	135.0
25°	215.0	213.0	198.0	165.0	141.0
30°	211.0	212.0	211.0	177.0	143.0
35°	206.0	206.0	208.0	181.0	136.0
40°	192.0	202.0	193.0	170.0	123.0
45°	164.0	187.0	181.0	152.0	107.0
50°	131.0	166.0	166.0	131.0	88.7
55°	107.0	137.0	138.0	108.0	72.4
60°	96.7	106.0	104.0	90.9	62.6
65°	95.4	90.8	72.8	69.4	57.5
70°	82.9	82.1	56.3	45.1	49.4
75°	48.7	53.5	40.9	36.8	29.3
80°	18.1	18.5	16.9	16.2	15.7
85°	8.0	8.0	7.5	6.9	6.1
90°	1.2	1.0	0.7	0.6	0.5

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45°	2659	2919	1736
55°	2124	2756	1443
65°	2580	1969	1555
75°	2150	1806	1294
85°	1049	983	800

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)											
LOR: 62.3%				SHR NOM: 1.75 : 1.0				SHR MAX: 1.85 : 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	N/A	0.44	0.48	0.51	0.56	0.58	0.61	0.63	0.65
0.70	0.30	0.20	N/A	0.39	0.44	0.47	0.52	0.55	0.58	0.61	0.63
0.70	0.10	0.20	N/A	0.36	0.40	0.44	0.49	0.52	0.55	0.59	0.61
0.50	0.50	0.20	N/A	0.42	0.46	0.50	0.54	0.56	0.58	0.61	0.62
0.50	0.30	0.20	N/A	0.38	0.43	0.46	0.51	0.54	0.56	0.59	0.61
0.50	0.10	0.20	N/A	0.35	0.40	0.43	0.48	0.51	0.54	0.57	0.59
0.30	0.50	0.20	N/A	0.41	0.45	0.48	0.52	0.54	0.56	0.59	0.60
0.30	0.30	0.20	N/A	0.38	0.42	0.45	0.49	0.52	0.54	0.57	0.59
0.30	0.10	0.20	N/A	0.35	0.39	0.43	0.47	0.50	0.52	0.55	0.57
0.00	0.00	0.00	N/A	0.33	0.38	0.41	0.45	0.48	0.50	0.53	0.54
Distribution Factors	Floor:	N/A	0.33	0.38	0.41	0.45	0.48	0.50	0.53	0.54	0.54
	Walls:	N/A	0.29	0.25	0.22	0.17	0.14	0.12	0.10	0.08	0.08
	Ceiling:	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bz Numbers			N/A	4	4	4	4	4	4	4	4

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METAL HALIDE LOW BAY PAC 400 WATT

400 WATT METAL HALIDE LOW BAY PAC

LBP400MH



FEATURES

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- For maintenance, the main body casing is hinged to allow the unit to swing down, providing ample obstruction free access to control gear.
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OPTIONS

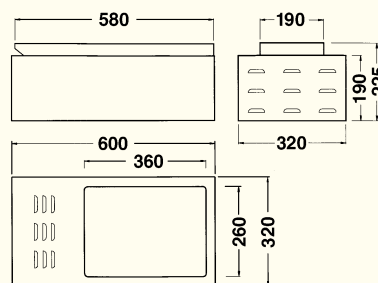
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APPLICATION

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DIMENSIONS



'Quickfit' plug-in socket for easy installation



Hinges on main casing for ease of servicing



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EN60598.2.1

EN60598.2.2

EN55015 (AS/NZS 4051)

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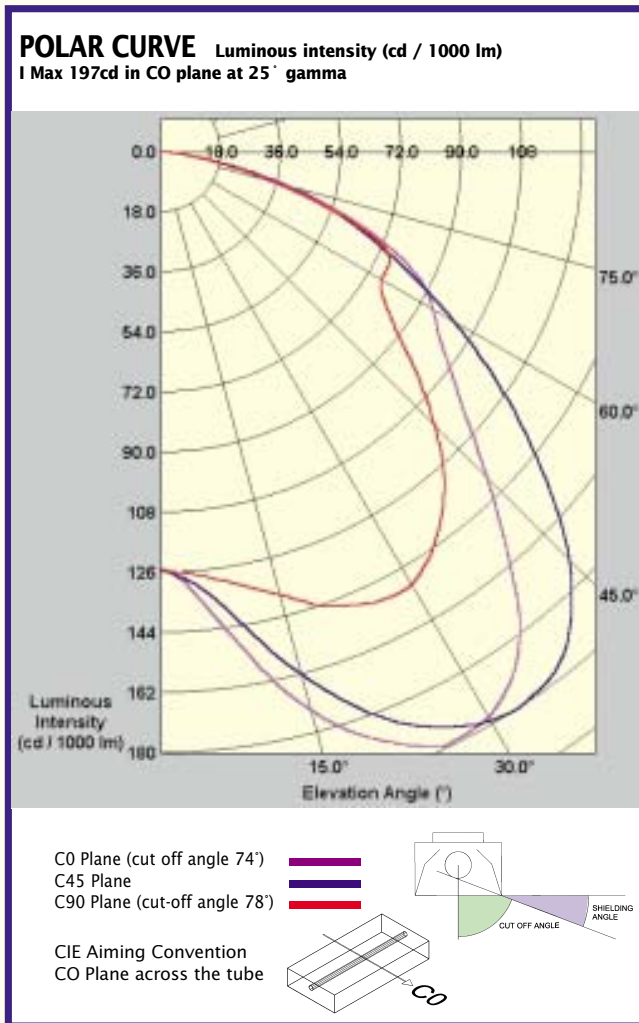


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400 WATT METAL HALIDE LOW BAY PAC LBP400MH

LBP400MH LOW BAY PAC

Photometric data also applies to 400 Watt Mercury Vapour model LBP 400MV.



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0°	125.0	125.0	125.0	125.0	125.0
5°	134.0	133.0	130.0	128.0	127.0
10°	153.0	151.0	144.0	135.0	131.0
15°	173.0	170.0	162.0	147.0	137.0
20°	187.0	185.0	178.0	160.0	145.0
25°	197.0	196.0	190.0	169.0	149.0
30°	196.0	200.0	197.0	173.0	150.0
35°	186.0	195.0	197.0	172.0	143.0
40°	163.0	181.0	190.0	165.0	132.0
45°	138.0	160.0	173.0	153.0	116.0
50°	117.0	139.0	149.0	138.0	98.0
55°	103.0	121.0	125.0	118.0	83.0
60°	94.0	104.0	101.0	97.0	76.0
65°	83.0	87.0	79.0	76.0	76.0
70°	63.0	68.0	59.0	57.0	62.0
75°	40.0	43.0	38.0	41.0	35.0
80°	18.0	19.0	17.0	17.0	17.0
85°	7.0	7.0	7.0	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45°	2230	2796	1875
55°	2052	2491	1654
65°	2245	2136	2055
75°	1766	1678	1545
85°	918	918	787

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)											
LOR: 60.4%				SHR NOM: 1.75 : 1.0				SHR MAX: 1.81 : 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	N/A	0.42	0.46	0.50	0.54	0.57	0.59	0.61	0.63
0.70	0.30	0.20	N/A	0.38	0.42	0.46	0.50	0.54	0.56	0.59	0.61
0.70	0.10	0.20	N/A	0.34	0.39	0.42	0.47	0.51	0.53	0.57	0.59
0.50	0.50	0.20	N/A	0.41	0.45	0.48	0.52	0.55	0.56	0.59	0.60
0.50	0.30	0.20	N/A	0.37	0.41	0.45	0.49	0.52	0.54	0.57	0.59
0.50	0.10	0.20	N/A	0.34	0.38	0.42	0.47	0.50	0.52	0.55	0.57
0.30	0.50	0.20	N/A	0.40	0.44	0.46	0.50	0.53	0.54	0.57	0.58
0.30	0.30	0.20	N/A	0.36	0.40	0.44	0.48	0.51	0.52	0.55	0.57
0.30	0.10	0.20	N/A	0.34	0.38	0.41	0.46	0.49	0.51	0.54	0.56
0.00	0.00	0.00	N/A	0.32	0.36	0.39	0.44	0.46	0.48	0.51	0.53
Distribution Factors		Floor:	N/A	0.32	0.36	0.39	0.44	0.46	0.48	0.51	0.53
		Walls:	N/A	0.28	0.24	0.21	0.17	0.14	0.12	0.09	0.08
		Ceiling:	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bz Numbers			N/A	4	4	4	4	4	4	4	4

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LBP400S



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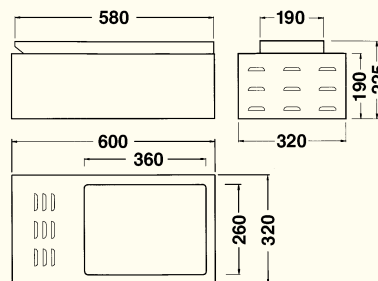
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DIMENSIONS



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Hinges on main casing for ease of servicing

400 WATT HIGH PRESSURE SODIUM LOW BAY PAC



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EN60598.2.1

EN60598.2.2

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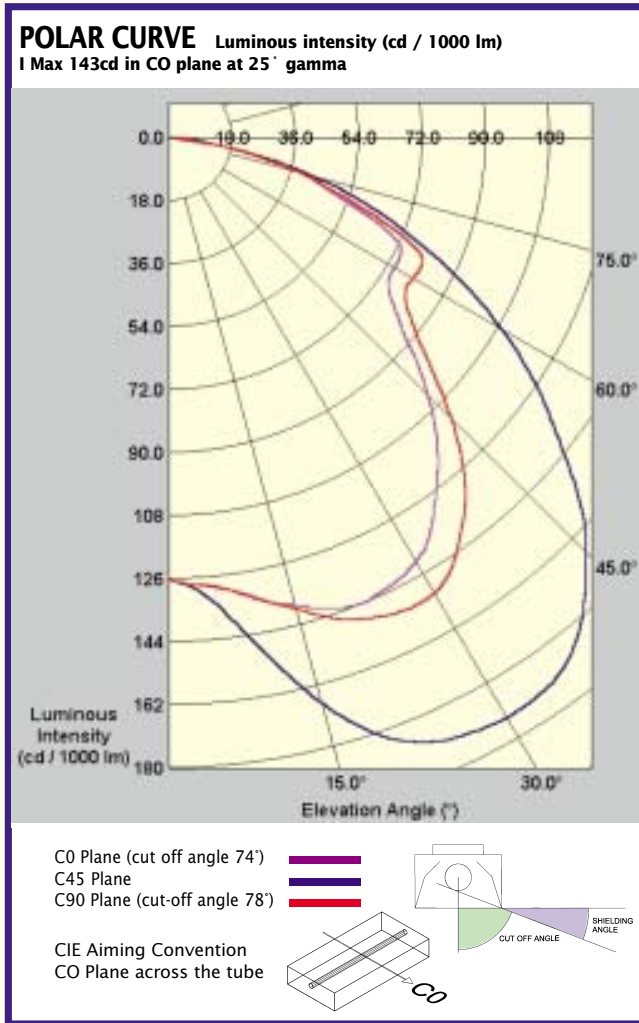
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400 WATT HIGH PRESSURE SODIUM LOW BAY PAC LBP400S

LBP400S LOW BAY PAC



LUMINOUS INTENSITY TABLE (cd/1000lms)					
γ Gamma	C0	C22.5	C45	C67.5	C90
0°	126.0	126.0	126.0	126.0	126.0
5°	128.0	134.0	132.0	129.0	128.0
10°	133.0	156.0	148.0	137.0	132.0
15°	138.0	176.0	167.0	149.0	139.0
20°	143.0	185.0	182.0	164.0	146.0
25°	143.0	190.0	190.0	172.0	150.0
30°	140.0	194.0	192.0	174.0	150.0
35°	131.0	188.0	190.0	169.0	143.0
40°	119.0	174.0	182.0	160.0	131.0
45°	104.0	155.0	168.0	144.0	114.0
50°	87.0	141.0	149.0	128.0	94.0
55°	76.0	128.0	130.0	110.0	82.0
60°	74.0	113.0	109.0	94.5	80.0
65°	73.0	93.5	87.0	76.5	80.0
70°	54.0	73.5	65.0	61.0	58.0
75°	40.0	48.5	43.0	45.5	39.0
80°	20.0	22.5	20.5	20.0	19.5
85°	6.0	8.0	7.0	7.0	6.5
90°	0.0	1.0	0.0	0.0	0.0

AVERAGE LUMINANCE TABLE			
γ Gamma	C0	C45	C90
45°	1681	2707	1834
55°	1514	2580	1634
65°	1974	2353	2163
75°	1766	1899	1722
85°	787	918	852

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)											
LOR: 59.2%				SHR NOM: 1.75 : 1.0				SHR MAX: 1.82 : 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	N/A	0.41	0.45	0.48	0.52	0.55	0.57	0.60	0.61
0.70	0.30	0.20	N/A	0.36	0.41	0.44	0.49	0.52	0.54	0.57	0.59
0.70	0.10	0.20	N/A	0.33	0.37	0.41	0.46	0.49	0.52	0.55	0.58
0.50	0.50	0.20	N/A	0.40	0.44	0.46	0.51	0.53	0.55	0.57	0.59
0.50	0.30	0.20	N/A	0.36	0.40	0.43	0.48	0.50	0.53	0.56	0.57
0.50	0.10	0.20	N/A	0.33	0.37	0.40	0.45	0.48	0.51	0.54	0.56
0.30	0.50	0.20	N/A	0.38	0.42	0.45	0.49	0.51	0.53	0.55	0.57
0.30	0.30	0.20	N/A	0.35	0.39	0.42	0.46	0.49	0.51	0.54	0.55
0.30	0.10	0.20	N/A	0.32	0.36	0.40	0.44	0.47	0.49	0.52	0.54
0.00	0.00	0.00	N/A	0.31	0.35	0.38	0.42	0.45	0.47	0.50	0.51
Distribution Factors	Floor:	N/A	0.31	0.35	0.38	0.42	0.45	0.47	0.50	0.51	
	Walls:	N/A	0.28	0.24	0.21	0.17	0.14	0.12	0.10	0.08	
	Ceiling:	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bz Numbers			N/A	4	4	4	4	4	4	4	4

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