



PACIFIC
LIGHTING PTY. LTD.

T8 DIFFUSED BATTEN SERIES



PDBN T8 SERIES

FEATURES:

- Suitable for ceiling, wall and pendant mounting
- Slim Profile – 54mm wide (single lamps)
- High quality white epoxy powder coated finish
- Complete with triphosphor lamps, 4000K – 840 T8
- Cover plate held by threaded nut for fast installation
- Large terminal block for ease of installation
- 25mm cable entry with protective grommet
- Acrylic Prismatic diffuser
- New moulded plastic snap-on end caps for easy installation of diffuser

APPLICATION:

- All commercial, industrial and domestic applications

TECHNICAL DATA:

Body : Made of heavy gauge sheet steel.
Diffuser : AA12-Acrylic Prismatic.
Paintwork : Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source : T8 (26mm diameter) triphosphor fluorescent tube, 18w, 36w, 58w.
Electrical data : 240Volt, 50Hz Power Factor 0.9
Wire : HR 105 degree centigrade
Ballast : Polyester Vacuum impregnated B2 ballast - EE1=B2
Lampholder : Moulded from Polycarbonate Material.

Optional Components:

Fused terminal block 3amp
DALI, DSI or analogue dimming ballast
High output lamps
Emergency packs available (36w and 58w lamps only)
High frequency electronic ballast
Diffuser and wire guard kits
Aluminium Body and Cover Tray
Polyester Vacuum impregnated B1 ballast – EE1=B1



Manufactured to standards - AS/NZS 60598.1.0
AS/NZS 60598.2.1
AS/NZS 60598.2.2
CISPR15

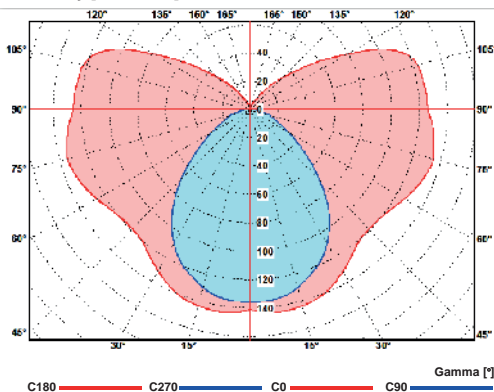
*Specification and materials subject to changes without prior notice.

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(Group Member of SIRUJAYA IND Malaysia)



Polar Diagram PDBN 158 / C-Plane Measurement

Intensity [cd/1000lm]



TM 5 Utilization Factors

Utilization factors			LOR=75.4% DLOR=54.2% ULOR=21.2%								
Room reflection			Room index								
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	35	40	45	49	54	57	60	64	66
	0.3		29	34	39	43	48	52	55	60	63
	0.1		25	30	34	38	44	48	51	56	59
0.5	0.5	0.2	32	36	41	44	48	51	54	57	59
	0.3		27	31	36	39	44	47	50	54	56
	0.1		23	27	32	35	40	44	47	51	54
0.3	0.5	0.2	29	33	36	39	43	46	48	51	53
	0.3		24	28	32	35	39	42	45	48	50
	0.1		21	25	29	32	36	40	42	46	48
0.0	0.0	0.0	18	21	24	26	30	33	35	38	40
			SHR NOM=1.50			SHR MAX=1.66			SHR MAX TR=2.11		

TM 10 Unified Glare Ratios

Ceiling reflectance		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall reflectance		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Floor cavity reflectance		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	10.9	12.3	11.9	13.3	14.5	5.0	6.3	5.9	7.3	8.5
2H	3H	15.7	16.9	16.6	17.9	19.1	6.8	8.0	7.7	9.0	10.2
2H	4H	18.4	19.5	19.3	20.5	21.7	7.5	8.6	8.5	9.6	10.8
2H	6H	21.2	22.2	22.2	23.2	24.4	8.1	9.1	9.1	10.1	11.4
2H	8H	22.7	23.7	23.7	24.7	25.9	8.3	9.3	9.4	10.3	11.6
2H	12H	24.5	25.3	25.5	26.4	27.7	8.6	9.5	9.6	10.5	11.8
4H	2H	10.9	12.1	11.8	13.1	14.3	7.4	8.7	8.4	9.7	10.9
4H	3H	15.8	16.8	16.7	17.8	19.1	9.7	10.8	10.7	11.8	13.1
4H	4H	18.5	19.5	19.5	20.5	21.8	10.8	11.8	11.8	12.8	14.0
4H	6H	21.6	22.4	22.6	23.5	24.8	11.7	12.5	12.7	13.6	14.9
4H	8H	23.4	24.1	24.5	25.2	26.5	12.1	12.8	13.2	13.9	15.2
4H	12H	25.4	26.0	26.4	27.1	28.4	12.4	13.0	13.4	14.1	15.4
8H	4H	18.6	19.4	19.6	20.5	21.8	14.1	14.9	15.1	16.0	17.3
8H	6H	21.9	22.6	22.9	23.6	24.9	15.5	16.2	16.6	17.3	18.6
8H	8H	26.1	26.1	26.1	26.1	26.1	18.5	18.5	18.5	18.5	18.5
8H	12H	26.6	26.6	26.6	26.6	26.6	15.4	15.4	15.4	15.4	15.4
12H	4H	18.7	19.5	19.7	20.6	21.8	16.4	17.2	17.4	18.2	19.5
12H	6H	22.2	22.9	23.3	24.0	25.3	18.0	18.6	19.0	19.7	21.0
12H	8H	26.6	26.6	26.6	26.6	26.6	21.0	21.0	21.0	21.0	21.0

Photometry result or data are available for interior lux calculation upon request.

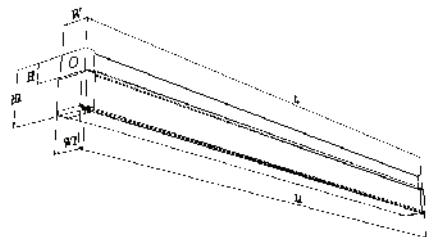
Photometry achieved by Sirijaya Industries own Goniophotometer.

Ordering data

Model No.	No. of Lamp	L(mm)	L1(mm)	W(mm)	W1(mm)	H1(mm)
PDBN 118H	1x18W	604	624	59	69	105
PDBN 218H	2x18W	604	624	59	120	105
PDBN 136H	1x36W	1222	1232	59	69	105
PDBN 236H	2x36W	1222	1232	59	120	105
PDBN 158H	1x58W	1515	1535	59	69	105
PDBN 258H	2x58W	1515	1535	59	120	105

Note: Subjected to +/- 1.0mm

Dimension



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