

PB1P3810BL = (Flanged) Black/White  
 PB1P3810WL = (Flanged) White

PB1P3810BTL = (Trimless) Black  
 PB1P3810WTL = (Trimless) White

Ceiling Cutout: 8 3/16"L x 8 3/16"W

**Ordering Information: PAR 38 Series B**

Cat. No.	Lamp	Ceiling Trim	Aperture Finish
PB1P3810BL	(1) 100W PAR 38	Overlap	Black with White Flange
PB1P3810WL	(1) 100W PAR 38	Overlap	White with White Flange
PB1P3810BTL	(1) 100W PAR 38	Trimless	Black
PB1P3810WTL	(1) 100W PAR 38	Trimless	White

**Features**

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge:** Allows convenient loading and removal of one accessory. Easily installed and removed for lamping with a simple twisting motion. Constructed of die formed aluminum.
- Adjustable Ring:** Allows 360° horizontal and 40° (on width) and 45° (on diagonal) vertical adjustment.
- Tortionite Spring:** For easy installation of aperture frame.
- Housing:** Die formed 22 ga. steel. Finish: Black
- Mounting Brackets:** Adjustable vertically from outside of housing.
- Thermal Protector:** Meets NEC, UL, and CSA requirements.
- Lampholder:** Porcelain medium based; nickel plated screw shell. Prewired with #18 SF-1 leads to junction box.
- Junction Box:** 14 ga. steel, 4" x 3-1/2" x 2" box. Allows inspection from below.
- Lamp and Accessory Support:** .032" steel, flared for easy entry of Media Cartridge.
- Lens Retaining Ring:** .093" spring steel rod. Holds accessories in place.

**Electrical**

UL/cUL listed for through branch circuit wiring with maximum of (8) no. 12 AWG, 90° C.

**Finish**

All painted finishes are powder coated baked enamel.

**Options & Accessories**

**Accessories:** 4-3/4" dia. series, filters, lenses, screens and louvers (1) max.

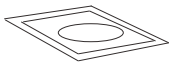
**Labels**

UL/cUL (Suitable for Damp Location), I.B.E.W.

Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

Lightolier a Genlyte Thomas Company www.lightolier.com  
 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710  
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**LIGHTOLIER®**



**Lighting Performance Data**

	Narrow				Medium				Wide															
	50W PAR30 NSP (T-H)		75W PAR30 NSP (T-H)		50W PAR30 NFL (T-H)		75W PAR30 NFL (T-H)		50W PAR30 FL (T-H)		75W PAR30 FL (T-H)													
DISTANCE																								
FOOTCANDLES (On Beam Center At 6')	181		291		49		83		31		50													
BEAM SPREAD (To 50% Max. CP)	12'		12'		32'		32'		42'		42'													
MAX. CANDLEPOWER (Candelas)	6,500		10,500		1,750		3,000		1,100		1,800													
RATED LIFE (Hours)	2,000		2,000		2,000		2,000		2,000		2,000													
<b>0° AIMING ANGLE</b> Illumination on Horizontal Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W												
	6'	181	1.3'	1.3'	8'	164	1.7'	1.7'	4'	109	2.3'	2.3'	6'	83	3.4'	3.4'	3'	122	2.3'	2.3'	4'	113	3.1'	3.1'
	8'	102	1.7'	1.7'	12'	73	2.5'	2.5'	6'	49	3.4'	3.4'	8'	47	4.6'	4.6'	5'	44	3.8'	3.8'	6'	50	4.6'	4.6'
	10'	65	2.1'	2.1'	16'	41	3.4'	3.4'	8'	27	4.6'	4.6'	10'	30	5.7'	5.7'	7'	22	5.4'	5.4'	8'	28	6.1'	6.1'
<b>30° AIMING ANGLE</b> Illumination on Horizontal Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
	5'	169	1.4'	1.2'	7'	139	2.0'	1.7'	3'	126	2.4'	2.0'	5'	78	3.9'	3.3'	3'	79	3.2'	2.7'	3'	130	3.2'	2.7'
	7'	86	2.0'	1.7'	10'	68	2.8'	2.4'	5'	45	3.9'	3.3'	7'	40	5.5'	4.6'	5'	29	5.4'	4.4'	5'	47	5.4'	4.4'
	9'	52	2.5'	2.2'	13'	40	3.7'	3.2'	7'	23	5.5'	4.6'	9'	24	7.1'	6.0'	7'	15	7.5'	6.2'	7'	24	7.5'	6.2'
<b>30° AIMING ANGLE</b> Illumination on Vertical Plane	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
	2'	203	1.7'	0.8'	3'	146	2.6'	1.3'	1'	219	3.0'	1.1'	2'	94	6.1'	2.3'	1'	138	5.5'	1.5'	1'	255	5.5'	1.5'
	3'	90	2.6'	1.3'	4'	82	3.5'	1.7'	2'	55	6.1'	2.3'	3'	42	9.1'	3.4'	2'	34	11.0'	3.1'	2'	56	11.0'	3.1'
	4'	51	3.5'	1.7'	5'	53	4.3'	2.1'	3'	24	9.1'	3.4'	4'	23	12.2'	4.6'	3'	15	16.5'	4.6'	3'	25	16.5'	4.6'
5'	33	4.3'	2.1'	6'	36	5.2'	2.5'	4'	14	12.2'	4.6'	5'	15	15.2'	5.7'	4'	9	22.0'	6.1'	4'	14	22.0'	6.1'	

Data are based on bare lamp photometrics. FC is initial footcandles at center of beam. L and W are to the point that the candlepower drops 50% of maximum.

**Beam Center Location**

Distance D (ft.)	1	2	3	4	5	6	7	8	9	10
Distance C (ft.)	1.7	3.5	5.2	6.9	8.7	10.4	12.1	13.8	15.6	17.3

This chart locates the distance (C) to the center of the light beam for various distances (D) when the lamp is aimed 30° from vertical, the preferred aiming angle for lighting pictures on a wall.

LIGHTOLIER®

**Job Information** **Type:**

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