



PB3P3810BL = (Flanged) Black/White
PB3P3810WL = (Flanged) White

PB3P3810BTL = (Trimless) Black
PB3P3810WTL = (Trimless) White

Ceiling Cutout: 22 1/16" L x 8 3/16" W

Ordering Information: PAR38 Series B

Cat. No.	Lamp	Ceiling Trim	Aperture Finish
PB3P3810BL	(3) 100W PAR38	Overlap	Black with White Flange
PB3P3810WL	(3) 100W PAR38	Overlap	White with White Flange
PB3P3810BTL	(3) 100W PAR38	Trimless	Black
PB3P3810WTL	(3) 100W PAR38	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 30°, max. 45° (on length); 40° (on width) 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.

Label

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

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

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																			
		45W PAR38 NSP (T-H)	45W PAR38 SP (T-H)	75W PAR38 SP	90W PAR38 NSP (T-H)	90W PAR38 SP (T-H)															
DISTANCE 1' 2' 3' 4' 5' 6'																					
FOOTCANDLES (On Beam Center At 6')		236	131	144	528	333															
BEAM SPREAD (To 50% Max. CP)		6°	14°	12°	7°	12°															
MAX. CANDLEPOWER (Candelas)		8,500	4,700	5,200	19,000	12,000															
RATED LIFE (Hours)		2,000		2,000	2,000																
0° AIMING ANGLE Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W				
		7'	173	0.7'	0.7'	6'	131	1.5'	1.5'	6'	144	1.3'	1.3'	10'	190	1.2'	1.2'	8'	188	1.7'	1.
		10'	85	1.0'	1.0'	8'	73	2.0'	2.0'	8'	81	1.7'	1.7'	15'	84	1.8'	1.8'	12'	83	2.5'	2.
		13'	50	1.4'	1.4'	10'	47	2.5'	2.5'	10'	52	2.1'	2.1'	20'	47	2.4'	2.4'	16'	47	3.4'	3.
		16'	33	1.7'	1.7'	12'	33	2.9'	2.9'	12'	36	2.5'	2.5'	25'	30	3.1'	3.1'	20'	30	4.2'	4.
30° AIMING ANGLE Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
		6'	153	0.8'	0.7'	5'	122	1.6'	1.4'	5'	135	1.4'	1.2'	8'	193	1.3'	1.1'	7'	159	2.0'	1.
		9'	68	1.3'	1.1'	7'	62	2.3'	2.0'	7'	69	2.0'	1.7'	12'	86	2.0'	1.7'	10'	78	2.8'	2.
		12'	38	1.7'	1.5'	9'	38	3.0'	2.6'	9'	42	2.5'	2.2'	16'	48	2.6'	2.3'	13'	46	3.7'	3.
		15'	25	2.1'	1.8'	11'	25	3.6'	3.1'	11'	28	3.1'	2.7'	20'	31	3.3'	2.8'	16'	30	4.5'	3.
30° AIMING ANGLE Illumination on Vertical Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
		2'	266	0.8'	0.4'	2'	147	2.1'	1.0'	2'	163	1.7'	0.8'	4'	148	2.0'	1.0'	3'	167	2.6'	1.
		3'	118	1.3'	0.6'	3'	65	3.1'	1.5'	3'	72	2.6'	1.3'	6'	66	3.0'	1.5'	4'	94	3.5'	1.
		4'	66	1.7'	0.8'	4'	37	4.1'	2.0'	4'	41	3.5'	1.7'	8'	37	4.0'	2.0'	5'	60	4.3'	2.
		5'	43	2.1'	1.0'	5'	24	5.1'	2.5'	5'	26	4.3'	2.1'	10'	24	4.9'	2.4'	6'	42	5.2'	2.

		Medium											
		45W PAR38 FL (T-H)	75W PAR38 FL	90W PAR38 FL (T-H)									
DISTANCE 1' 2' 3' 4' 5' 6'													
FOOTCANDLES (On Beam Center At 6')		47	52	111									
BEAM SPREAD (To 50% Max. CP)		28°	30°	30°									
MAX. CANDLEPOWER (Candelas)		1,700	1,860	4,000									
RATED LIFE (Hours)		2,000		2,000									
0° AIMING ANGLE Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W
		3'	189	1.5'	1.5'	4'	116	2.1'	2.1'	6'	111	3.2'	3.2'
		5'	68	2.5'	2.5'	6'	52	3.2'	3.2'	8'	63	4.3'	4.3'
		7'	35	3.5'	3.5'	8'	29	4.3'	4.3'	10'	40	5.4'	5.4'
		9'	21	4.5'	4.5'	10'	19	5.4'	5.4'	12'	28	6.4'	6.4'
30° AIMING ANGLE Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W
		3'	123	2.0'	1.7'	5'	134	2.2'	1.9'	5'	104	3.7'	3.1'
		5'	44	3.4'	2.9'	7'	48	3.7'	3.1'	7'	53	5.1'	4.3'
		7'	23	4.8'	4.0'	9'	25	5.1'	4.3'	9'	32	6.6'	5.6'
		9'	14	6.1'	5.2'	11'	15	6.6'	5.6'	11'	21	8.1'	6.8'
30° AIMING ANGLE Illumination on Vertical Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W
		1'	213	2.5'	1.0'	1'	233	2.7'	1.1'	2'	125	5.5'	2.1'
		2'	53	4.9'	2.0'	2'	58	5.5'	2.1'	3'	56	8.2'	3.2'
		3'	24	7.4'	3.0'	3'	26	8.2'	3.2'	4'	31	10.9'	4.3'
		4'	13	9.8'	4.0'	4'	15	10.9'	4.3'	5'	20	13.7'	5.4'

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.

Job Information Type:

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