

FEATURES & SPECIFICATIONS

INTENDED USE — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Compliant friction clip retention allows fitment into nearly 100% of installed cans. The LED module maintains at least 70% light output for

 $\textbf{CONSTRUCTION} \ -- \ \text{Aluminum spun reflector with deep baffle configuration for reduced glare}.$ Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

Baffle and open trim inserts are available in multiple finishes.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 Lamp.

Wide flood beam angle at $> 45^{\circ}$.

ELECTRICAL — Center 2 Edge[™] (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 10%. For compatible dimmers, refer to Compatible Dimmers Chart.

P Series' patent pending driver has zero inrush which allows power loads to be calculated with actual rated wattages.

Example: 53 units of 4BPMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/11.2W = 53.5 fixtures.

Standard input wattage is 11.2 watts or less; equivalent to 65-watt incandescent.

INSTALLATION — Suitable for installation in standard height rough-in sections.

E26 socket adapter and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance.

Friction clips allow fitment into cans with an inside diameter of 4.0" to 4.5".

LISTINGS — CSA certified to US and Canadian safety standards. California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings).

WARRANTY — 5-year limited warranty. Complete warranty terms located at $\underline{www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx}$

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PATENTS PENDING.

Catalog Number Notes Туре



LED Recessed Downlighting

4BP/40P

4" LED Module

IC/Non-IC Retrofit











E26 adaptor (included)

Splice kit (included)

Specifications

Aperture: 4.0 (10.2)

Ceiling opening: Determined by rough-in

Overlap trim: 5-1/4 (13.3)

Height: 3-11/16 (9.4)

All dimensions are inches (centimeters) unless otherwise indicated.

Example: 4BPBN R12

3-11/16 4 (10.2) 5-1/4

Example: 4BP TRMW LED 27K 90CRI

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

	Lead times will vary depending on options selected, consult with your sales representative.							
		LED						
Series/Finish		Lamp	CCT/CRI/V	V / Lumens¹	Voltage		Options	
4BPMW 4BP TRMW 4BPBN 4BPORB	4" Baffle LED module, matte white 4" Baffle LED module, black baffle, matte white flange 4" Baffle LED module, brushed nickel 4" Baffle LED module, oil-rubbed bronze	LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83CRI / 10.6W / 620L 2700 K / 93CRI / 11.2W / 600L 3000 K / 93CRI / 11.2W / 600L 4000K/95CRI/11.2W/650L	(blank)	120V	L3LED T24 L3RLED T24 L3 L3R	New construction rough-in LED base Remodel rough-in LED base New construction rough-in ² Remodel rough-in ²
40PA 40PAZ 40PA TRMW 40PAZ TRMW	4" Open LED module, clear diffuse 4" Open LED `module, clear specular 4" Open LED module, clear diffuse, matte white flange 4" Open LED module, clear specular, matte white flange	LED	(blank) 27K 90CRI 30K 90CRI 40K 90CRI	3000 K / 83CRI / 10.6W / 620L 2700 K / 93CRI / 11.2W / 600L 3000 K / 93CRI / 11.2W / 600L 4000K/95CRI/11.2W/650L	(blank)	120V	L3LED T24 L3RLED T24 L3 L3R	New construction rough-in LED base Remodel rough-in LED base New construction rough-in ² Remodel rough-in ²

TRIM INSERTS (for field configuration; ordered separately)

Series/Finish			Packa	aging
4BP TRMW 4" Baffle black, matte white flang 4BPBN 4" Baffle brush nickel insert 4BPORB 4" Baffle oil-rubbed bronze insert 4" Open clear diffuse insert	40PA TRMW	4" Open clear specular insert 4" Open clear diffuse, matte white flange insert 4" Open clear specular, matte white flange insert	R12 U	Retail pack of 12 units Unit

See trim inserts on page 2.

Notes

- 1 Total system delivered lumens.
- 2 Must be ordered on a separate line

DOWNLIGHTING 4BP-40P LED

TRIM INSERTS







Black Baffle with Mattte White Trim Ring (TRMW)

Brushed Nickel Baffle (BN)

Oil-rubbed Bronze Baffle (ORB)









Clear Diffuse with Matte White Trim Ring (A TRMW)

Clear Diffuse (A)

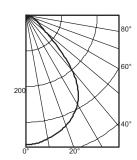
Clear Specular with Matte White Trim Ring (AZ TRMW)

Clear Specular (AZ)

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for
				a Single Luminaire

4BPMW LED 80CRI, 3000 K LEDs, input watts: 11.16, delivered lumens: 625, LM/W = 56, test no. LTL 23665, tested in accordance with IESNA LM 79-08

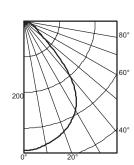


	Ave	Lumen
0	363	
5	360	34
15	341	96
25	311	143
35	254	157
45	129	100
55	49	45
65	31	30
75	14	16
85	3	4
90	0	

			pf				20	0%				
			рс		80%			70%			50%	
Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0° - 30°	273.5	43.7	0	119	119	119	116	116	116	111	111	111
0° - 40°	430.0	68.8	1	108	104	101	106	103	100	101	99	97
0° - 60°	575.4	92.0	2	97	92	87	95	91	86	92	88	84
0° - 90°	625.2	100.0	3	88	82	76	87	81	76	84	79	74
90° - 180°	0.0	0.0	4	80	73	67	79	72	67	76	71	66
0° - 180°	625.2	*100.0	5	73	66	60	72	65	60	70	64	59
*	Efficiency		6	67	59	54	66	59	54	65	58	53
			7	62	54	49	61	54	49	60	53	48
			8	57	50	45	56	49	44	55	49	44
			9	53	46	41	52	45	41	51	45	41
			10	49	42	38	49	42	37	48	42	37

11			50% be		10% beam -		
7			61.3	0	92.7	0	
4		Inital FC					
4	Mounting	Center					
6	_Height	Beam	Diameter	FC	Diameter	FC	
9	8.0	12.0	6.5	6.0	11.5	1.2	
3	10.0	6.5	8.9	3.2	15.7	0.6	
8	12.0	4.0	11.2	2.0	19.9	0.4	
4	14.0	2.7	13.6	1.4	24.1	0.3	
1	16.0	2.0	16.0	1.0	28.3	0.2	

4BPMW LED 90CRI, 3000 K LEDs, input watts: 11.16, delivered lumens: 625, LM/W= 56, test no. LTL 23665P, tested in accordance with IESNA LM 79-08



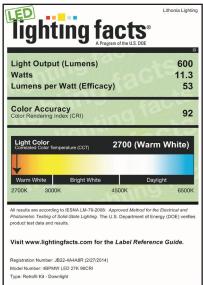
	Ave	Lumens
0	363	
5	360	34
15	341	96
25	311	143
35	254	157
45	129	100
55	49	45
65	31	30
75	14	16
85	3	4
90	0	

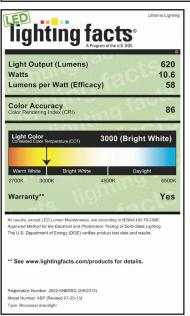
			ρı				20	170					
			рс		80%			70%			50%		
Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	
0° - 30°	273.5	43.7	0	119	119	119	116	116	116	111	111	111	
0° - 40°	430.0	68.8	1	108	104	101	106	103	100	101	99	97	
0° - 60°	575.4	92.0	2	97	92	87	95	91	86	92	88	84	
0° - 90°	625.2	100.0	3	88	82	76	87	81	76	84	79	74	
90° - 180°	0.0	0.0	4	80	73	67	79	72	67	76	71	66	
0° - 180°	625.2	*100.0	5	73	66	60	72	65	60	70	64	59	
*	Efficiency		6	67	59	54	66	59	54	65	58	53	
			7	62	54	49	61	54	49	60	53	48	
			8	57	50	45	56	49	44	55	49	44	
			9	53	46	41	52	45	41	51	45	41	

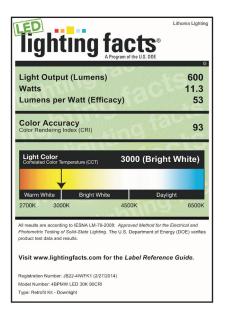
49 42 37

		50% be 61.3		10% be:	
	Inital FC				
Mounting	Center				
_Height	Beam	Diameter	FC	Diameter	FC
8.0	12.0	6.5	6.0	11.5	1.2
10.0	6.5	8.9	3.2	15.7	0.6
12.0	4.0	11.2	2.0	19.9	0.4
14.0	2.7	13.6	1.4	24.1	0.3
16.0	2.0	16.0	1.0	28.3	0.2

LIGHTING FACTS









ADDITIONAL DATA

ENERGY DATA* - 600 Lumens						
	CRI - 83	CRI - 93				
Lumens	620	600				
Min. starting temp	-18°C (0°F)	-18°C (0°F)				
Max. temp	46°C (115°F)	46°C (115°F)				
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B				
Sound rating	A standards	A standards				
Input voltage	120V	120V				
Min. power factor	0.97	0.97				
Input frequency	50/60 Hz	50/60 Hz				
Rated wattage	10.6W	11.2W				
Input power	10.6W	11.2W				
Input current	.11A	.09A				

*Values at non-dimming line voltage	
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Trim finish	Lumen multiplier
Matte White	1.00 (Baseline)
Clear Diffuse	0.99
Clear Specular	0.99
Brushed Nickel	0.83
Black Baffle	0.76
Oil Rubbed Bronze	0.78

Color temperature	Lumen multiplier
2700K	0.97
3000K	1.00 (Baseline)
4000K	1.08

