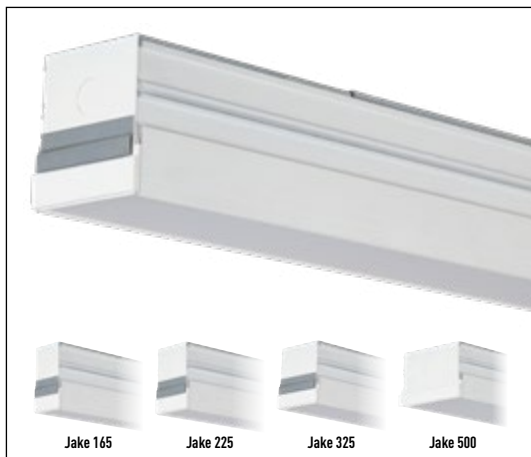


JAK-LED

JAKE 1.65", 2.25", 3.25" & 5.00" Recessed Linear LED
(Trimmed or Trimless Recessed Linear)

TYPE:

JOB NAME:



LED LIGHT OUTPUT SYSTEM

- HLO (High Lumen Output) & SLO (Standard Lumen Output) providing efficient illumination.
- CLO (Custom Lumen Output) User specified lumen output & wattage. Consult factory for details.
- Rated life of L70 > 60,000 hours based on LED testing per LM-80-08 and projected values using IESNA TM21-11

LENS

- Impact resistant co-extruded lens with highly reflective internal cavity
- (HE) High efficiency lens provides optimal performance with even and continuous diffusion
- (FBLSS) Flat Blade Louver Semi-Specular with diffusing layer.

PERFORMANCE OPTICS

(BW) Batwing, (AS) 15° Asymmetric, and (E70) 70° Elliptical.

CONSTRUCTION

Fixture body is constructed of heavy gauge extruded aluminum. Fixtures are available in nominal lengths of 2, 3, 4, 6 and 8 feet, and continuous run lengths. Lenses are extruded acrylic.

MOUNTING

Recessed linear fixture for drywall or wood ceiling installations, or for mounting on the wall on a vertical plane. Available as continuous run. See installation information for specific details regarding installation guidelines. Various mounting clips provided for ease of installation.

INTELLECT ENABLED (OPTIONAL CONTROLS)

Intellect-enabled fixtures integrate wireless dimming, occupancy / vacancy sensing, multi-zone daylight harvesting, manual control and scene control.

OPTIONS

(90° corner angles for transverse-run applications: from wall to ceiling Inside Corner (IC90), Outside Corner (OC90), and Face surface (F90).

FINISHES

Trim standard is matte white, trimless standard is mill finish. Consult factory for custom finishes.

DIMMING

- 0-10V Dimming 1%
- eldoLED 0-10V 0.1% or 1%
- Lutron® LTEA2W Hi-Lume 2-Wire 1%
- Lutron® LDE1 Hi-Lume EcoSystem 1%
- DALI Dimming 1%

LISTING / WARRANTY

- 5-Year Limited Warranty
- IC-Rated, UL listed for direct contact with insulation
- UL listed to US and Canadian standards for damp/dry locations
- CCEA Chicago Plenum (Must specify "-CP" in options)
- Can be used to comply with 2016 Title 24, Part 6, JA8 high efficacy LED light source requirements¹³



ELECTRICAL DATA: (Data Based On 4000K/80CRI Configuration)

Light Output	SLO		HLO	
	lm/ft	W/ft	lm/ft	W/ft
JAK-LED-165 (FW)	249	2.9	499	7.08
JAK-LED-225 (HE)	448	4.3	847	8.8
JAK-LED-325 (HE)	494	4.3	934	8.8
JAK-LED-500 (FW)	530	5.8	1030	12.1

Wattage includes driver and LED Module consumption.

Delivered lumen output will vary depending on CCT, CRI and Optic selection.

ORDERING CODE: (Example: JAK-LED-165-TR-SLO-27-3-FW-120-HLA2-EM-MW-OHMB)

1: Model	2: Trim Style	3: Light Output	4: CCT/CRI	5: Nominal Length	6: Optic/Lens
JAK-LED-165	(1.65" Aperture) -TR ² (¾" Flanged Trim)	-SLO (Standard Lumen Output)	-279 (2700K / 90CRI)	-2 (2ft)	-FW (Frosted White)
JAK-LED-225 ¹³	(2.25" Aperture) -TL ² (Trimless Mud)	-HLO (High Lumen Output)	-30 (3000K / 80CRI)	-3 (3ft)	-HE ⁴ (High Efficiency)
JAK-LED-325	(3.25" Aperture) Flange, Mill Finish only)	-HLO (High Lumen Output)	-309 (3000K / 90CRI)	-4 (4ft)	-BW ⁶ (Batwing 120°)
JAK-LED-500 ¹	(5.00" Aperture)	-CLO ³ (Custom Lumen Output)	-35 (3500K / 80CRI)	-6 (6ft)	-AS ⁵ (Asymmetric 20°)
			-359 (3500K / 90CRI)	-8 (8ft)	-E70 ⁴ (Elliptical 70°)
			-40 (4000K / 80CRI)	-CR ⁴ (Continuous Run, note length in feet)	-FBLSS ⁷ (Flat Blade Louver Semi-Specular)
			-409 (4000K / 90CRI)	-MTR-R ⁵ (Miter Run)	
				-MTR-REC ⁵ (Miter Run Rectangle)	
7: Voltage	8: Driver	9: Options	10: Trim Finishes	11: Mounting Options	
-120 (120V)	-D1 (0-10V Dimming 1%)	blank (No Options, Leave Blank)	blank (Mill Finish, Trimless Only)	-OHMB ¹² (Overhead Mounting Bracket)	
-277 (277V)	-ED10V1 (eldoLED 0-10V 1%)	-EM ¹⁰ (Emergency Battery Pack)	-MW (Matte White)	-BF ¹² (Backer Flange)	
-347 ⁸ (347V)	-ED10V01 (eldoLED 0-10V 0.1%)	-IEPH1 (Leviton Intellect™ Embedded Integral Sensor and Power Pack)	-FB (Flat Black)	-HB ¹² (Hanger Bracket)	
	-HLA2 ⁹ (LTEA2W Lutron H-Lume 2-Wire 1%)	-CP ¹¹ (Chicago Plenum)	-CUP ¹⁰ (Custom Powder Coat)		
	-HL (LDE1 Lutron Hi-Lume Ecosystem 1%)				
	-DALI (DALI Dimming 1%)				

NOTES

- JAK-LED-500 not available with 2700K
- TR standard is Matte White, TL standard is Mill Finish. Consult factory for custom finishes
- Consult factory, available with D1 options only
- Specify lengths in nominal feet
- See [miter worksheet](#) for specification (must provide detailed drawing for order)
- Available with 165, 225 or 325 only
- FBLSS available for 225 & 325 only
- 347V available for D1, D10 drivers only
- Lutron LTEA2W 120V only
- Consult factory for options & lead times
- Compliant with CCEA Chicago Plenum code requirements
- See [instruction sheet](#) for mounting info
- Only JAKE 225 complies with T24, JA8, 0-10V dimming only. Excludes: 80CRI & Continuous/Miter Runs options.

SPECIFICATION SHEET/LM-1116-22 P-1

BIRCHWOOD LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 550-7118 | fax 714 550-7151 | www.birchwoodlighting.com

For Birchwood Lighting's limited product warranty, go to www.birchwoodlighting.com. For a printed copy of the warranty, you may call 800 961-5321.

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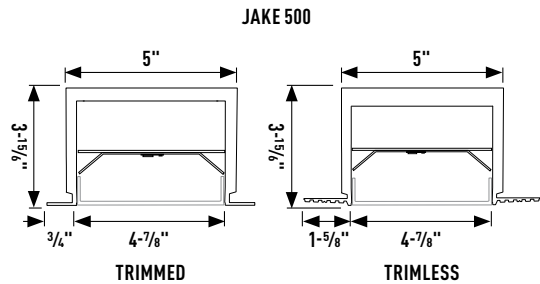
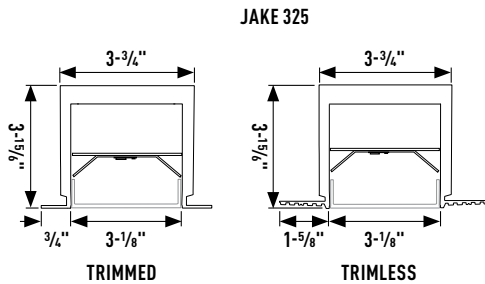
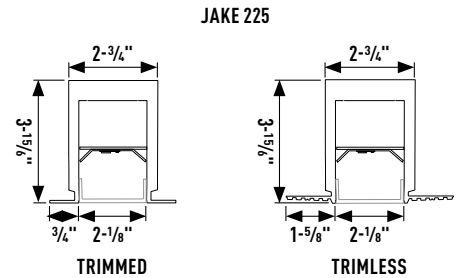
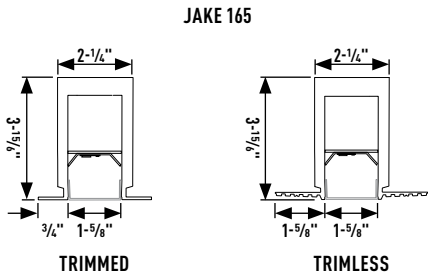
BIRCHWOOD | a LEVITON
lighting | company

JAK-LED

JAKE 1.65", 2.25", 3.25" & 5.00" Recessed Linear LED
(Trimmed or Trimless Recessed Linear)

TYPE: _____
JOB NAME: _____

FIXTURE DIMENSIONS:



INTELLECT CONTROL OPTION (JAKE 325 TR SHOWN)



PHOTOMETRIC DATA:

ELECTRICAL DATA: (Data Based On 4000K/80CRI Configuration)

Light Output	SLO		HLO	
	lm/ft	W/ft	lm/ft	W/ft
JAK-LED-165 (FW)	249 lm/ft	2.9 W/ft	499 lm/ft	7.08 W/ft
JAK-LED-225 (HE)	448 lm/ft	4.3 W/ft	847 lm/ft	8.8 W/ft
JAK-LED-225 (FW)	405 lm/ft		766 lm/ft	
JAK-LED-225 (E70)	393 lm/ft		744 lm/ft	
JAK-LED-225 (AS)	410 lm/ft		776 lm/ft	
JAK-LED-225 (BW)	416 lm/ft		787 lm/ft	
JAK-LED-325 (HE)	494 lm/ft	4.3 W/ft	934 lm/ft	8.8 W/ft
JAK-LED-325 (FW)	405 lm/ft		766 lm/ft	
JAK-LED-325 (E70)	393 lm/ft		743 lm/ft	
JAK-LED-325 (AS)	459 lm/ft		768 lm/ft	
JAK-LED-325 (BW)	473 lm/ft		895 lm/ft	
JAK-LED-500 (FW)	530 lm/ft	5.8 W/ft	1030 lm/ft	12.1 W/ft

Wattage includes driver and LED Module consumption.
Delivered lumen output will vary depending on CCT, CRI and Optic selection.

CCT SCALING FACTOR:

CCT	2700K	3000K	3500K	4000K
80 CRI	-	0.97	1.00	1.02
90 CRI	0.79	0.83	0.86	0.88

