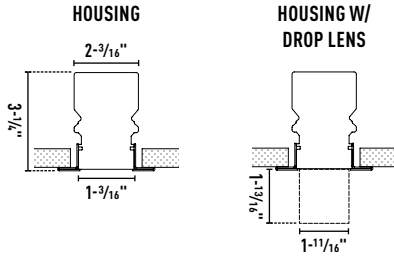


BW165RF

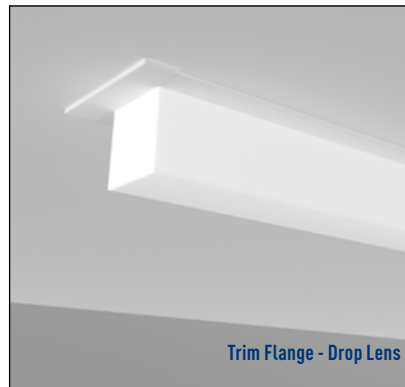
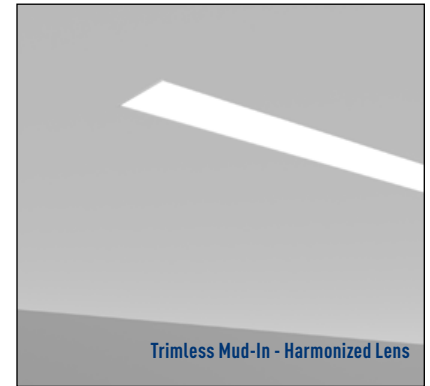
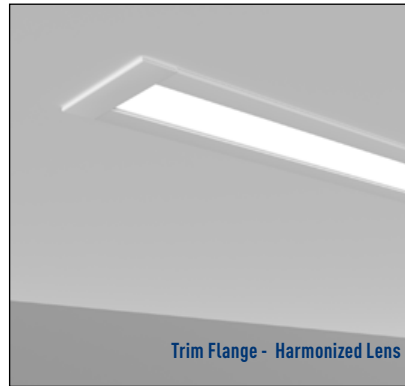
Birchwood 1.65" Recessed Linear Flush

(T-Grid, Trim Flange or Trimless Mud-In Applications)



FEATURES

- Specifiable to-the-inch Linear runs
- Shapes and wall-to-ceiling transitions
- Recessed Housing shippable ahead
- 90CRI Standard



LUMEN OUTPUT (4000K / 90CRI) - HE LENS			
Wattage	W/ft	lm/FT	lm/W
025	2.6	275	109
050	4.5	517	109
075	7.3	803	109
100	9.9	1078	109

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

RELATED BW165 RECESSED PRODUCTS:

- Linear 1" Regressed Lens, See [BW165R1](#) Spec Sheet
- Perimeter Flush Lens, See [BW165PF](#) Spec Sheet
- Linear 3" Regressed Lens, See [BW165P3](#) Spec Sheet

Order Code: **1** - **2** - **3** - **4** - **5** - **6** - **7** - **8** - **9** - **10**

Order Code Example: BW165RF-10F00-TG09-L025-309-HE-10V1-UNV-MTGB-EM

1: MODEL	2: LENGTH	3: FLANGE		4: WATTAGE	5: CCT/CRI	6: OPTICS		
BW165RF 1.65" Recessed Linear Flush	___F___ Linear (Feet F Inches)	GRID CEILING TG09 T-Grid 9/16" TG15 T-Grid 5/16" TT09 Tegular 9/16" TT15 Tegular 9/16" TIO9 Interlude 9/16" TS09 Slot 9/16"		GYPSUM CEILING TRMW 3/4" Trim Flange, Matte White TRFB 3/4" Trim Flange, Flat Black TRCU 3/4" Trim Flange, Custom Color TLMI Trimless Mud-In Flange		L025 3W/ft L050 5W/ft L075 8W/ft L100 10W/ft	279 2700K, 90CRI 309 3000K, 90CRI 359 3500K, 90CRI 409 4000K, 90CRI	HE Harmonized Efficiency FW Frosted White DR Drop Lens AS Asymmetric
	___X___ Rectangle (Length X Width)							
	DWG ^{1,2} Custom Layout							

7: CONTROL	8: VOLTAGE	9: MOUNTING	10: OPTIONS
10V1 1% 0-10V EDV1 1% 0-10V eldoLED LDE1 1% Lutron® Hi-Lume EcoSystem PHEL ³ 1% Phase/ELV (120V Only) DDT6 1% DALI, DT6 IEPH ² 1% Leviton Intellect SOLO ² 1% Leviton Solo C ¹ Other Control System	UNV 120V-277V 120 ³ 120V 347 ⁴ 347V	GRID CEILING MTGB Mounting Bracket GYPSUM CEILING, TRIM FLANGE MTRS Side Blocking MTRO Overhead Bracket MTRH Hanger Bracket GYPSUM CEILING, MUD-IN TRIMLESS MMIS Side Blocking	EM ^{1,2} Emergency Battery Backup, Integral CH ¹ Chicago Plenum (Note: Leave Blank For No Option)

- NOTES:**
- Contact Factory
 - Approval Drawing Required
 - 120V For Use With PHEL Only
 - 347V For Use With 10V1 Only

SPECIFICATION SHEET L/M-0827-24-P-1

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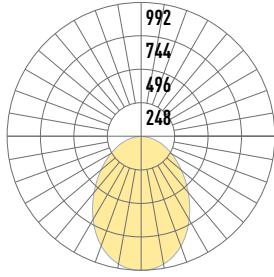
For Birchwood Lighting's limited product warranty, go to www.birchwoodlighting.com. For a printed copy of the warranty, you may call 800 961-5321.

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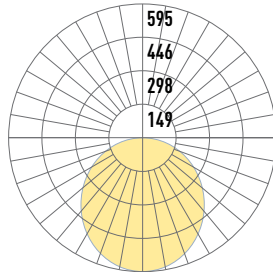
BW165RF

Birchwood 1.65" Recessed Linear Flush

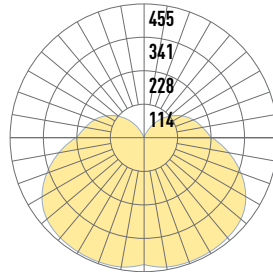
(T-Grid, Trim Flange or Trimless Mud-In Applications)



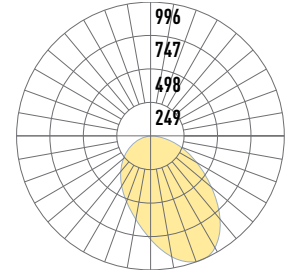
HE: Harmonized Efficiency



FW: Frosted White



DR: Drop Lens



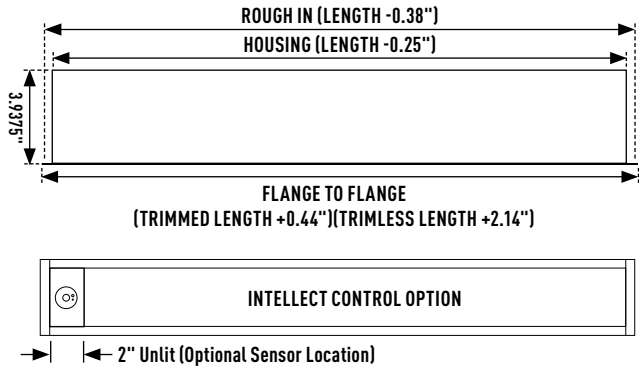
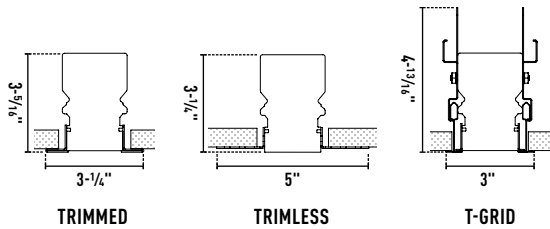
AS: Asymmetric

SPEC CODE	W/ft	LUMENS PER FOOT (3500K/90CRI)				Multiplier
		HE	AS	FW	DR	
025	2.6	276	263	258	308	.26
050	4.8	517	492	489	577	.48
075	7.3	803	764	738	896	.75
100	9.9	1078	1026	1008	1203	1.00
Efficacy (lm/W)		109	104	102	121	

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

SCALING FACTOR (90CRI)	
2700K	0.88
3000K	0.95
3500K	1.00
400K	1.00

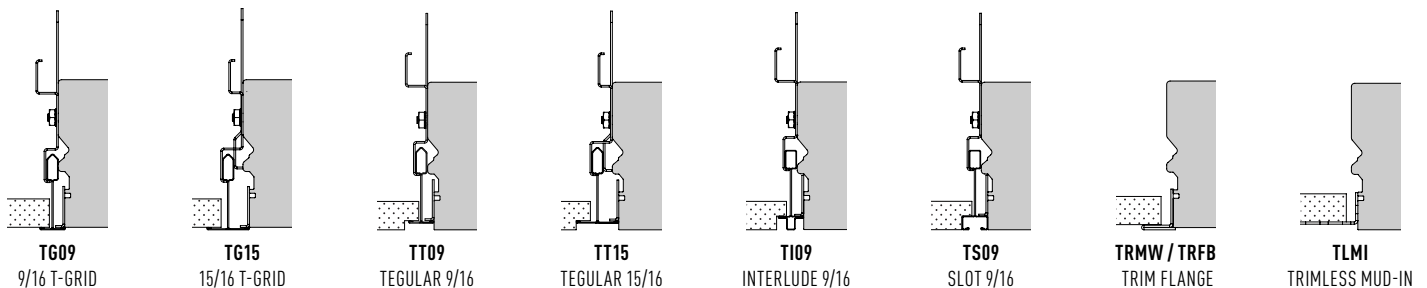
FIXTURE DIMENSIONS:



STANDALONE		CONTINUOUS RUN														
FEET	LENGTH	SEGMENTS (NOMINAL FEET)			(NO MIDDLES)		(1) MIDDLE		(2) MIDDLES		(3) MIDDLES		(4) MIDDLES		(5) MIDDLES	
		STARTER	MIDDLE	END	FEET	LENGTH	FEET	LENGTH	FEET	LENGTH	FEET	LENGTH	FEET	LENGTH	FEET	LENGTH
2	02F00	4	8	5	9	09F00	17	17F00	25	25F00	33	33F00	41	41F00	49	49F00
3	03F00			6	10	10F00	18	18F00	26	26F00	34	34F00	42	42F00	50	50F00
4	04F00			7	11	11F00	19	19F00	27	27F00	35	35F00	43	43F00		
5	05F00			8	12	12F00	20	20F00	28	28F00	36	36F00	44	44F00		
6	06F00	8		5	13	13F00	21	21F00	29	29F00	37	37F00	45	45F00		
7	07F00			6	14	14F00	22	22F00	30	30F00	38	38F00	46	46F00		
8	08F00			7	15	15F00	23	23F00	31	31F00	39	39F00	47	47F00		
				8	16	16F00	24	24F00	32	32F00	40	40F00	48	48F00		

>50' Requires additional power feed(s) 1,2

AVAILABLE FLANGE TYPES:



SPECIFICATION SHEET L/M-0827-24-P-2

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BW165RF

Birchwood 1.65" Recessed Linear Flush

(T-Grid, Trim Flange or Trimless Mud-In Applications)

SPECIFICATION(S):

APPLICATION:

- Standard mounting shall be recessed grid, drywall or wood ceiling installations
- Consult factory for shape requirements, wall mounting or other non-horizontal applications

INSTALLATION AND SERVICE

- Input: 120-277VAC standard
- Housings and mounting hardware may ship ahead by request, flanged configurations shall be side-blocking installation as standard
- Continuous run housings provided with quick connect plugs and tool-less joining latch
- Tool-less light engine provided with quick connect plugs and lanyard
- Asymmetric light engine may be reassembled in the field to reverse light output direction
- Light engine and internal access panel may be hung from housing in a service position for splice inspection
- Power Feed at each end and at Top/Back side of luminaire with 1/2" conduit (0.875" knockout) standard, fittings by others
- Top/Back side of housing may be drilled out and spliced in the field for additional power feed(s)
- See installation information for specific details and guidelines

CONSTRUCTION:

- LEDs: 90CRI, 3 Step MacAdam (3SDCM), L70 > 60,000 hours per IESNA TM21-11 using manufacturer LM-80-08
- Driver(s): Class II, 6kV surge protection, constant current
- Housing: Extruded 6061-T6 aluminum alloy
- End Caps: Machined 5052-H3 aluminum alloy
- Internal bracketry: Galvanized steel or 5052-H3 aluminum alloy
- Lens: Co-extruded acrylic with patent pending zero transmission side walls
- Optics: Extruded PMMA acrylic
- Internal hardware: Stainless steel

EMERGENCY MODE OPERATION

- 120-277V Input only
- Entire section with integral EM shall be lit, minimum 4' nominal section length
- Indicator/Test switch illumination shall be visible through lens and shall require removal of light engine to test

OPTIONS

- Integral controls shall be hosted by a 2" unlit section
- INTELLECT enabled configurations shall support dimming, occupancy / vacancy sensing, multi-zone daylight harvesting, manual control and scene control

FINISHES

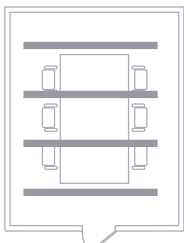
- Flanged trim configurations standard finish shall be epoxy powder coating, consult factory for custom finishes
- Flanged Mud-In configurations shall be mill finish

LISTING / WARRANTY

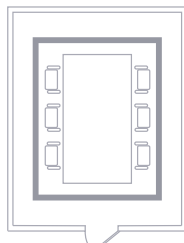
- 5-Year Limited Warranty valid per installation and operation per intended use
- USA and Canada listed for recessed, covered canopy wet location.



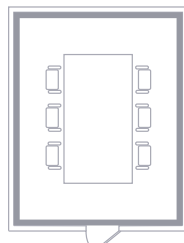
STANDARD & CUSTOM SHAPE AVAILABLE: (Consult Factory For Leads Times)



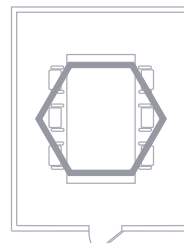
LINEAR



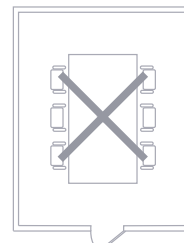
RECTANGLE & SQUARE



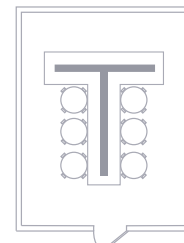
PERIMETER



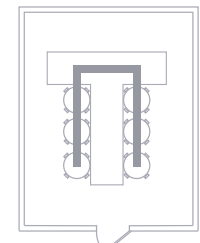
POLYGON



X-SHAPE



T-SHAPE



MITERS

SPECIFICATION SHEET L/M-0827-24 P.3

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