SPECIFICATION SHEET

Shop Now

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

Alcon Lighting's 2.5-Inch LED Linear Tube Light is a sleek, high-performance luminaire designed to complement modern interiors with a minimalist aesthetic. Crafted from durable extruded aluminum, it delivers exceptional illumination through a premium diffuser lens for smooth, uniform light distribution. Ideal for commercial, retail, and architectural spaces, this specification-grade fixture is perfect for both new construction and retrofit applications.

FEATURES

Construction: Extruded aluminum with a clear anodized finish. Powder-coated die-cast ADC aluminum end caps secured with an internal steel bracket

Lens: Extruded acrylic blend with 80% transmissivity, designed to slide into the housing

Lumens: See chart on page 2
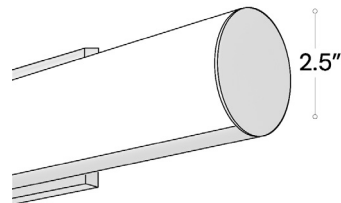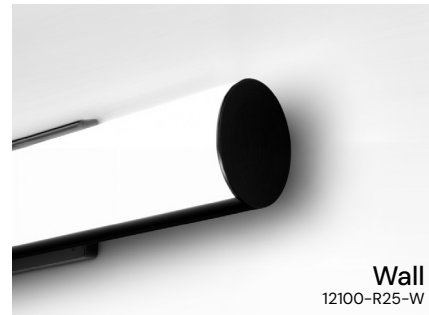
CRI: 90+

Voltage: 120–277V

External Driver: 0–10V

Operating Temperature: –22°F to +131°F

Life: 100,000 Hrs

Warranty: 5 years carefree for parts & components (Labor not included), 10 years available upon request

Listing: Buy American Act Compliant available upon request

Pendant
12100-R25-P

Surface
12100-R25-S

Wall
12100-R25-W

SPEC GRADE · 5 YEAR WARRANTY · BUY AMERICAN ACT COMPLIANT · 120V · 277V

2.5"

ORDERING INFORMATION Example:

| Model	Mounting	Length	Color Temp	Wattage Per Foot	Finish	Pendant Mounting	Options
12100-R25	**S** Surface	**2** 2 Foot	**27K** 2700K	**D6** 6.4W	**SL** Silver	**Blank** Not Required	**OS**[3] Occupancy & Daylight Harvesting Sensor
	P Pendant	**3** 3 Foot	**30K** 3000K	**D9** 9.6W	**WH** White	**AC2** 2' Aircraft Cable	**EM** Emergency Battery
	W Wall	**4** 4 Foot	**35K** 3500K	**D12** 12.8W	**BK** Black	**AC4** 4' Aircraft Cable	**BAA** BAA Compliant
		6 6 Foot	**40K** 4000K			**AC5** 5' Aircraft Cable	**W10**[4] 10 Year Warranty
		8 8 Foot	**CT5**[1] 27/30/35/40/50K Selectable Switch			**AC6** 6' Aircraft Cable	**CR**[5] Controls
			RGB[2] RGB Static Colors			**AC8** 8' Aircraft Cable	
						AC10 10' Aircraft Cable	
						AC12 12.5' Aircraft Cable	
						AC15 15' Aircraft Cable	
						AC20 20' Aircraft Cable	

1 Tunable CCT option is only available at 12.8W
2 See further RGB options on page 3
3 Default sensor is the Enlighted Micro, see page 4
4 5 Year Warranty is Standard unless specified
5 Consult sales representative for custom controls

DIMENSIONS
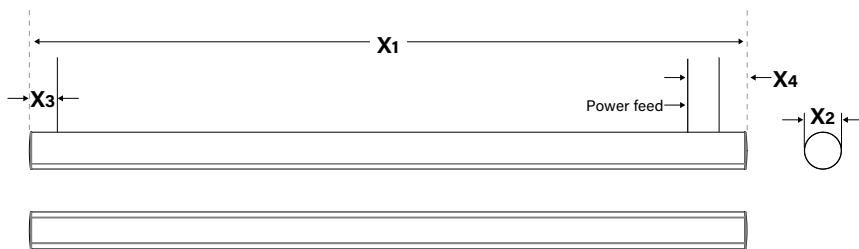
Size	2FT	3FT	4FT	6FT	8FT
X_1	24″	36″	48″	72″	96″
X_1*	24.06″	36.06″	48.06″	72.06″	96.06″
X_2	Diameter 2.5″				
X_3	1.75″				
X_4	3″				

X1 = For Mid Run, Mid Run Power feed, and End of Run
*X1 = For Standalone and First Run

CONTINUOUS RUN

For continuous run orders, each section is labeled with its designated "Section of Run," indicated at the end of the part number. A 13' continuous run illustration is shown on the right. For more information, contact our sales representative.
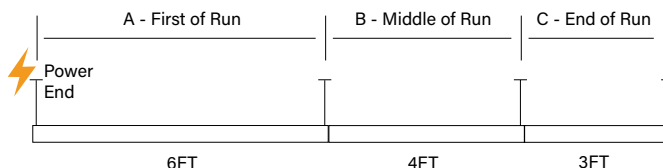
LUMEN CHART

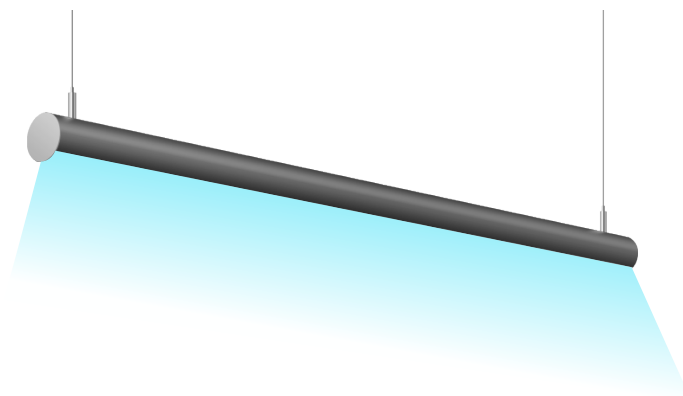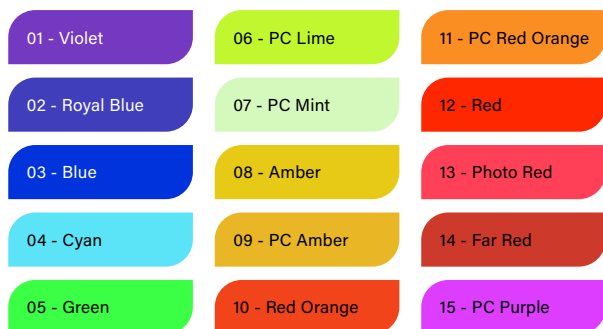Lumen outputs shown are for 4'

Wattage	4000K	3500K	3000K	2700K
6.4W per foot	1930	1892	1854	1797
9.6W per foot	2787	2732	2677	2595
12.8W per foot	3643	3572	3501	3393

RGB STATIC COLORS

01 - Violet	06 - PC Lime	11 - PC Red Orange
02 - Royal Blue	07 - PC Mint	12 - Red
03 - Blue	08 - Amber	13 - Photo Red
04 - Cyan	09 - PC Amber	14 - Far Red
05 - Green	10 - Red Orange	15 - PC Purple

PHOTOMETRY

Coefficients of Utilization
Effective Floor Cavity Reflectance: 20%

RCC%	80				70				50			30			10			0
RW%	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	106	100	95	91	103	98	93	89	92	89	85	87	84	82	83	81	78	76
2	96	87	79	73	92	84	77	72	80	74	69	76	71	67	72	68	65	62
3	87	76	67	60	84	74	65	59	70	63	57	66	61	56	63	58	54	52
4	79	67	57	50	77	65	56	50	62	54	48	59	52	47	56	51	46	44
5	73	59	50	43	70	58	49	43	55	48	42	53	46	41	50	44	40	37
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	46	40	35	33
7	62	48	39	33	60	47	39	33	45	38	32	43	37	31	42	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	26	52	40	32	26	38	31	26	37	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	33	27	23	21

Polar Graph - 4' High Output 4000K
Delivered Lumens: 1892 CRI: 90
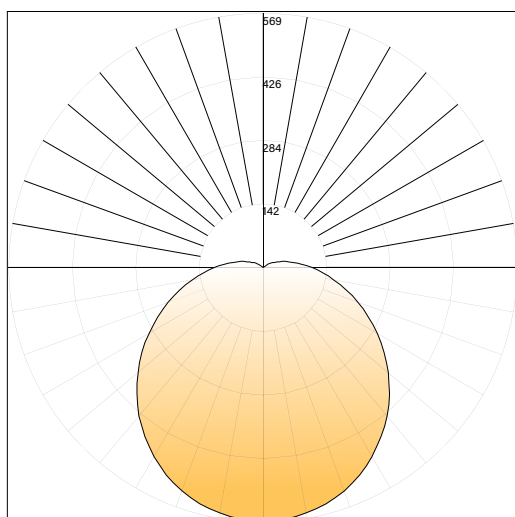
Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-30	441.04	23.3%
0-40	725.25	38.3%
0-60	1,303.97	68.9%
0-90	1,798.39	95%
90-180	93.95	5%
0-180	1,892.01	100%

ALCON LIGHTING

## OCCUPANCY & DAYLIGHT HARVESTING SENSOR

enlighted

MICRO SENSOR – Daylight / Motion / Occupancy A complete sensing and lighting control node powered from its attached light fixture. An innovative carrier-based mounting design supports easy installation and replacement. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.

FEATURES

Enlighted Sensor Interface (ESI)
Localized Lighting Control
Edge Sensing
Bluetooth Low Energy Occupancy and
Thermal Sensing Tunable White
Daylight Harvesting

Room and Zone Control
IoT Sensing Node
Standards-Based Networking and Security
Data Privacy
Driver Compatibility

SENSOR COVERAGE PATTERNS

Incorporates an optical Fresnel lens that works with the digital Passive Infrared (PIR) sensor to detect occupancy and motion. The multifaceted lens focuses light onto the PIR to produce an all-encompassing field of view through aggregation of many narrow fields of view.

0.73 in. (18.5 mm)
0.88 in. (22.5 mm)
0.18 in. (4.8 mm)
1.06 in. (27 mm)

0.81 in. (20.7 mm)
0.51 in. (13 mm)
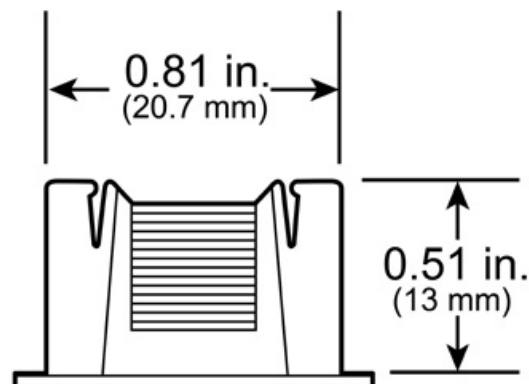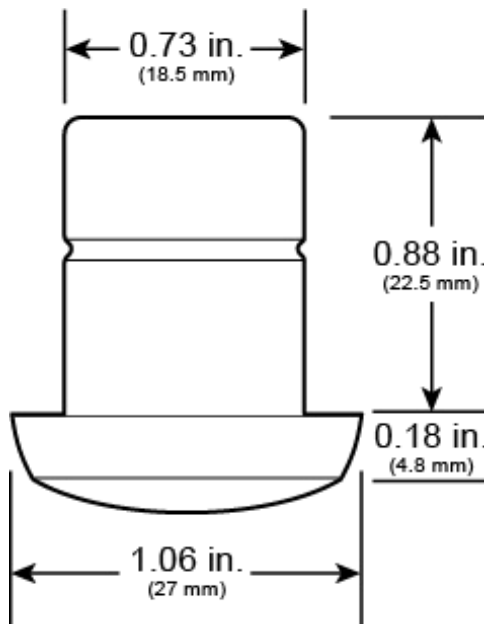
ALCON LIGHTING

COMPATIBLE DIMMERS

	ALCON LIGHTING	LUTRON	LEVITON
0–10 V	2100 2101 2102	Diva DVTV	IP-710-DL

COLOR TEMPERATURE GUIDE

2700K	3000K	3500K	4000K	5000K
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS
✓	✓	✓	✓	✓