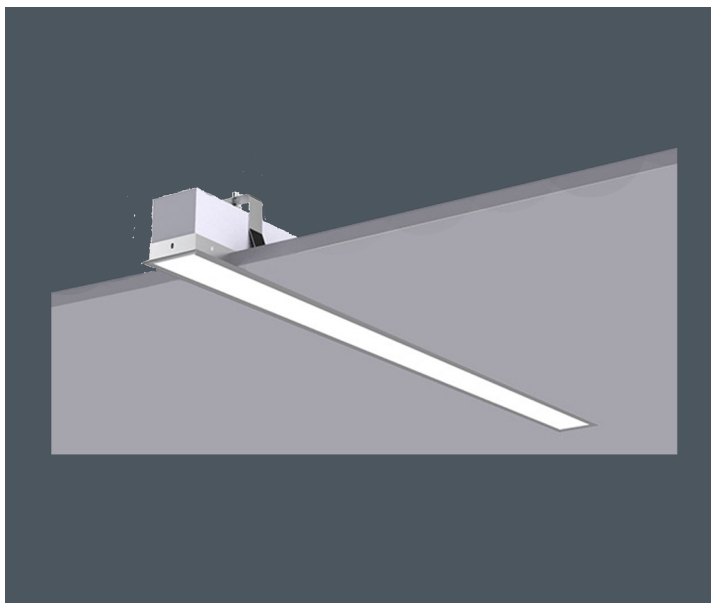


BLADE 2.5 R

Recessed Mount Linear



DESCRIPTION

BLADE is a flexible family of architectural LED linear products. BLADE 2.5 offers many options in a surface mounted product including continuous run in 1' increments, multiple patterns and shapes, various lens options and distribution types. All BLADE products are handcrafted out of the finest materials with seamless fit and finish and quality to meet the highest standards. The BLADE 2.5 is offered with Lambertian, asymmetric, wide spread, drop lens and low glare optics.

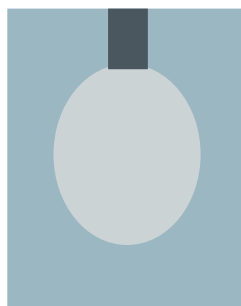


OPTIONS

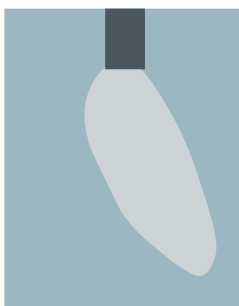
Series	Mounting	Optics	Output	Length	Color Temperature
☐ BLADE 2.5	☐ R Recessed	☐ LAM Lambertian ☐ BAT Batwing ☐ ASY Asymmetric ☐ DL 1" Drop Lens ☐ LG Low Glare	☐ _____ Lumens Per Foot Refer to chart on page 2 for LPW calculations and available output upper and lower limits. LAM available in 200 to 1500 lumens per foot.	☐ _____ Run Length in 1' increments. Minimum is 2' and 8' and under is one piece. Over 8' in segments. ☐ PAT Custom Pattern (fully illuminated corners)	☐ 827 80CRI 2700K ☐ 927 90CRI 2700K ☐ 830 80CRI 3000K ☐ 930 90CRI 3000K ☐ 835 80CRI 3500K ☐ 935 90CRI 3500K ☐ 840 80CRI 4000K ☐ 940 90CRI 4000K

Finish	Voltage	Driver	Electrical	Mounting	Controls
☐ WH White Matte ☐ BK Black Matte ☐ CU Custom Specify RAL#	☐ U 120-277	☐ G1 0-10 1% Dimoff ☐ G2 0-10 0.1% Dim ☐ SR Philips SR	☐ 1C Single Circuit ☐ 2C 2 Circuit ☐ EB 10W 90 Min Emergency Section (4') ☐ EC Emergency Circuit ☐ NL Nightlight Section ☐ GTD Generator Transfer	☐ DC Drywall Ceiling Trim ☐ DCS Drywall Ceiling Spackle ☐ 9C 9/16" Tbar ☐ 15C 15/16" Tbar	☐ SC Bluetooth Programmable Multifunction Mesh Network PIR Smart Control and Daylight ☐ SNS Philips SNS PIR and Wireless ☐ ENC Encilium SensiLUM ☐ CAS Casambi Wireless

Optics



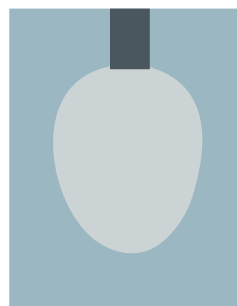
Lambertian



Asymmetric



Batwing



1" Drop Lens



Low Glare Louver

TECHNICAL SPECIFICATIONS

CONSTRUCTION

All BLADE architectural linear is extruded from 6063 T6 recycled aluminum in North America. All parts are cut and/or mitered to precision standards to ensure tight sound fit without light leak. Cast end caps are designed to fit snug, easily removable and also block light leak. The BLADE series is designed for easy install while maintaining perfectly straight runs and precise fit and finish.

LENGTHS AND CORNERS

Lengths available in 12" (1 foot) increments with a minimum of 2'. Precision mitered corners available in 90 degree with either LAM (Lambertain), BAT (Batwing) or ASY (Asymmetric) lens options.

FINISH

Textured low gloss polyester powder coated paint finish is standard on all GEN products. Multi stage pre-treatment provides long lasting durable finish. Standard finishes are RAL9003 Matte Signal White and 9005 Matte Jet Black. Custom colors are always available with a provided RAL.

LIGHT SOURCE

GEN Series utilizes a custom designed 1.6mm thick FR4 PCB populated with 60 LEDs per foot to provide optimum efficiency, lifetime and uniformity. Genuity LED Lighting uses only premium LEDs from Samsung, Sol Semi and Cree, selecting only among the highest flux bin. Available color temps are 2700K, 3000K, 3500K and 4000K in either 80CRI, 90CRI or 97CRI all in 3 step Macadam Ellipse binning to provide precise color. Exposing the LEDs to any VOCs will void warranty.

LUMEN MAINTENANCE

90% of initial light output (L90) >60,000 hours and 80% of initial light output (L80) >100,000 hours is achieved by designing the BLADE series with proprietary LED boards that never exceed 45c on the LED at 25c ambient.

ELECTRICAL

All drivers are 120-277 standard with 1% dim-to -off utilizing 0-10v and THD<20% constant current protocol and operate in -20 to 50c ambient operating temperature. Maximum run lengths in 120v are 60' and 120' in 277v. Expected driver lifetime is >100,000 hours. Power feeds are 18/5 and available in clear silver housing to minimize visual impact of the power feed.

OPTICAL

LAM, BAT and ASY lenses are all constructed using recyclable high impact modified acrylic. Optics are built into the lens construction and are precision fit into the extrusion. ASY distribution is directional which is indicated with a peel away sticker affixed to the lens.

EMERGENCY

An integral 10W 90min factory installed lithium emergency battery pack is available to illuminate 4 foot segments. Specific positioning in runs is required on approval drawings. EM segment requires dedicated power feed and run lengths after the EM segment require a new start feed segment. Emergency circuit as well as night light circuit are also available.

MOUNTING OPTIONS

GEN 2.5 S is a surface mounted luminaire that can be mounted on hard surface or drop ceiling T-Grid. Mounting is achieved by installing a 1/4"-20 anchor in hard surface (not supplied) or utilizing the T-Grid clips with the 1/4"-20 threaded anchor (supplied as option). Interior hardware to affix to the anchor is included.

LABELS

GEN 2.5 S is an ETL listed luminaire rated for indoor use only in dry and damp locations.

QUICKSHIP

10 business day quick ship is available for up to 50 individual matte white or matte black luminaires provided orders are recieved prior to 11am EST.

CONTINUOUS RUN CHART

Run Length	Housing Configuration	Run Length	Housing Configuration	Run Length	Housing Configuration
9	5+4	27	8+8+7+4	45	8+8+8+8+8+5
10	6+4	28	8+8+8+4	46	8+8+8+8+8+6
11	7+4	29	8+8+8+5	47	8+8+8+8+8+7
12	8+4	30	8+8+8+6	48	8+8+8+8+8+8
13	8+5	31	8+8+8+7	49	8+8+8+8+8+5+4
14	8+6	32	8+8+8+8	50	8+8+8+8+8+6+4
15	8+7	33	8+8+8+5+4	51	8+8+8+8+8+7+4
16	8+8	34	8+8+8+6+4	52	8+8+8+8+8+8+4
17	8+5+4	35	8+8+8+7+4	53	8+8+8+8+8+8+5
18	8+6+4	36	8+8+8+8+4	54	8+8+8+8+8+8+6
19	8+7+4	37	8+8+8+8+5	55	8+8+8+8+8+8+7
20	8+8+4	38	8+8+8+8+6	56	8+8+8+8+8+8+8
21	8+8+5	39	8+8+8+8+7	57	8+8+8+8+8+8+5+4
22	8+8+6	40	8+8+8+8+8	58	8+8+8+8+8+8+6+4
23	8+8+7	41	8+8+8+8+5+4	59	8+8+8+8+8+8+7+4
24	8+8+8	42	8+8+8+8+6+4	60	8+8+8+8+8+8+8+4
25	8+8+5+4	43	8+8+8+8+7+4	61	8+8+8+8+8+8+8+5
26	8+8+6+4	44	8+8+8+8+8+4	62	8+8+8+8+8+8+8+6

WEIGHT

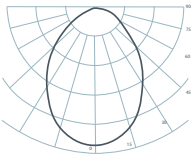
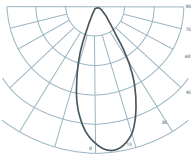
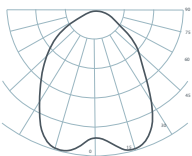
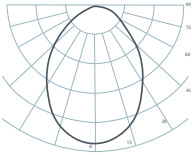
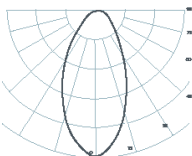
2ft	6.48 lbs	2.94 kgs	4ft	10.68 lbs	4.85 kgs	6ft	17.04 lbs	7.73 kgs	8ft	22.03 lbs	10.0 kgs
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BLADE 2.5 R

Recessed Mount Linear



PERFORMANCE

Lambertain  Delivered lumens calculated using 3500K 80CRI	LM/FT	Total LM/4FT	Total LM/8FT	Total Watts/4FT	Total Watts/8FT	LPW
	200	800	1600	6.6	12.1	132
	400	1600	3200	12.1	24.2	132
	600	2400	4800	18.2	36.4	132
	800	3200	6400	24.4	48.8	131
	1000	4000	8000	30.5	61	131
	1200	4800	9600	36.9	73.8	130
	1500	6000	12000	46.2	92.4	130
Asymmetric  Delivered lumens calculated using 3500K 80CRI	LM/FT	Total LM/4FT	Total LM/8FT	Total Watts/4FT	Total Watts/8FT	LPW
	200	800	1600	5.8	11.6	138
	400	1600	3200	11.6	23.2	138
	600	2400	4800	17.4	34.8	138
	800	3200	6400	23.4	46.8	137
	1000	4000	8000	29.2	58.4	137
	1200	4800	9600	35.3	70.6	136
	1500	6000	12000	44.4	88.8	135
Batwing  Delivered lumens calculated using 3500K 80CRI	LM/FT	Total LM/4FT	Total LM/8FT	Total Watts/4FT	Total Watts/8FT	LPW
	200	800	1600	6.3	12.6	128
	400	1600	3200	12.6	23.2	128
	600	2400	4800	18.8	34.8	128
	800	3200	6400	25.2	50.4	127
	1000	4000	8000	31.5	63.0	127
	1200	4800	9600	38.1	76.2	126
	1500	6000	12000	48.0	96.0	125
1" Drop Lens  Delivered lumens calculated using 3500K 80CRI	LM/FT	Total LM/4FT	Total LM/8FT	Total Watts/4FT	Total Watts/8FT	LPW
	200	800	1600	6.2	12.4	130
	400	1600	3200	12.4	24.8	130
	600	2400	4800	18.4	36.8	130
	800	3200	6400	23.4	46.8	129
	1000	4000	8000	24.8	59.6	129
	1200	4800	9600	37.5	76.0	128
	1500	6000	12000	47.2	94.4	127
1" Drop Lens  Delivered lumens calculated using 3500K 80CRI	LM/FT	Total LM/4FT	Total LM/8FT	Total Watts/4FT	Total Watts/8FT	LPW
	200	800	1600	7.1	14.2	112
	400	1600	3200	14.2	28.4	112
	600	2400	4800	21.4	42.8	112
	800	3200	6400	28.8	53.6	111
	1000	4000	8000	36.0	72.0	111
	1200	4800	9600	43.6	87.2	110
	1500	na	na	na	na	-

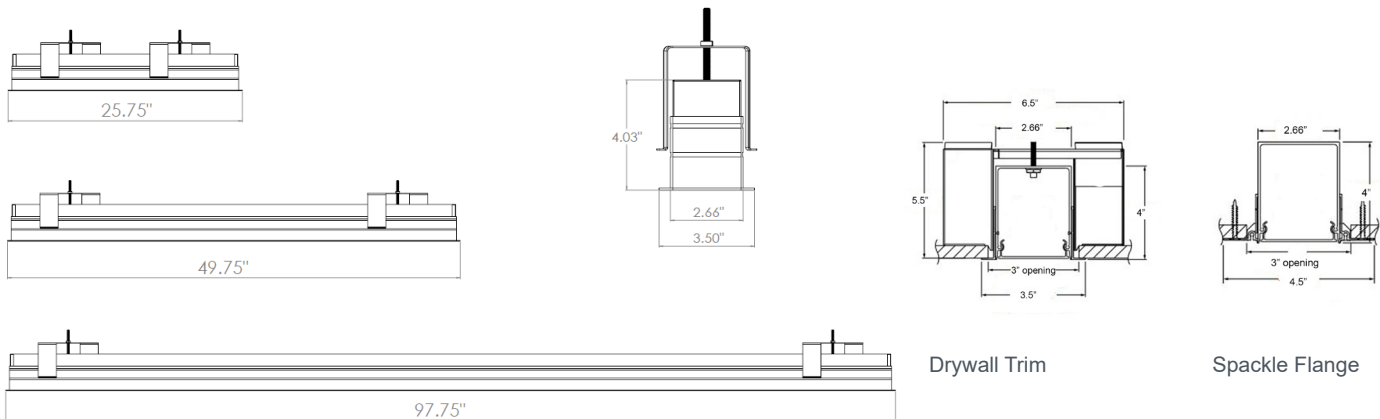
BLADE 2.5 R

Recessed Mount Linear



DIMENSIONS

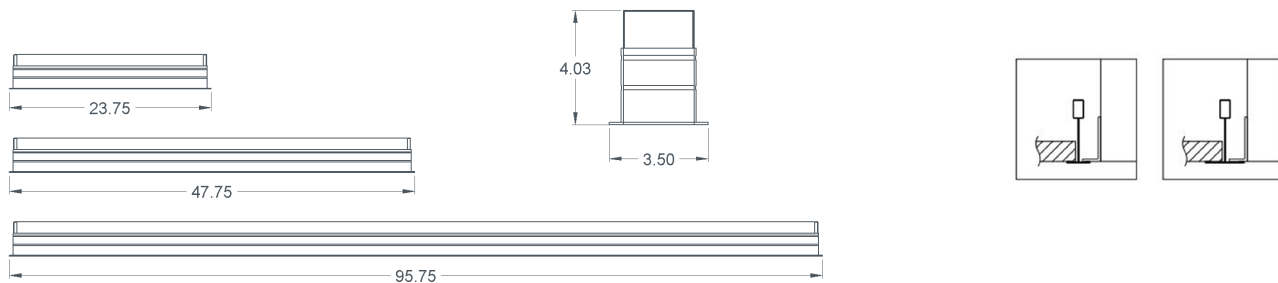
Drywall Trim View



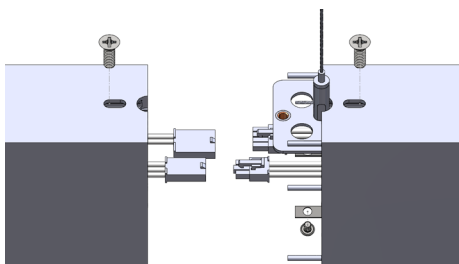
Drywall Trim

Spackle Flange

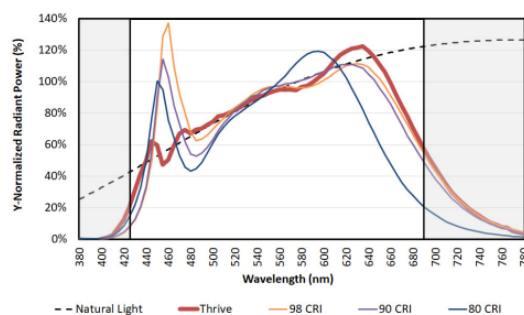
Tbar View



CONTINUOUS ROW MOUNTING



CIRCADIAN



Unite Ltg Lighting utilizes THRIVE technology to achieve color spectrum that most closely resembles natural light. Illustrated in the diagram are different CRI options commonly available in the market. It is evident that in all other options, there is a distinct "pump" in the 440-480nm range. This characteristic of LED light is particularly concerning to some since the blue emission is clearly a large deviation from natural light and thus may instigate a disruption to human circadian rhythm, the pattern which regulates the body's cycle of activity, rest, and sleep. One of the benefits that users of natural, human centric lighting should gain is harmonization of lighting with the circadian rhythm.