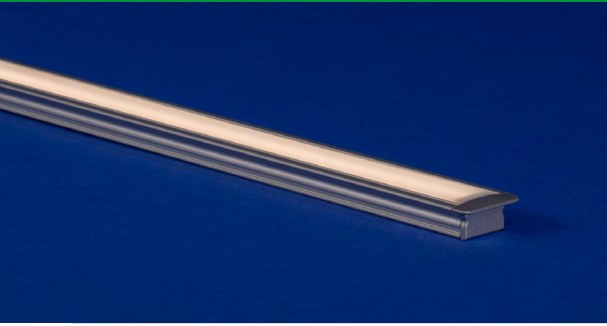# LATO-ENCAPSULATED (03) Linear Fixtures

Designed to disappear. LATO is a shallow flanged fixture that is designed for surface or recessed mounting applications so the light source merges with the surface.

- High-quality aluminum housings are available in satin, black, and bronze finishes.
- Encapsulation is available in a clear or translucent finish
- Available in Static White, Static White High Efficacy, Dynamic White, Dynamic White High Efficacy, Static Color, RGB, and RGBW High Efficacy
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look

Part Number Builder

Static White

c(UL)us LISTED · RoHS COMPLIANT · white optics · 5 YEAR WARRANTY

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT3SW			**ENC**								**SST**		
	1.5 3.0 4.0 5.0	24 27 30 35 40	ENC (IP67)	STD Standard / WO WhiteOptics	CL TL	S1 S2 — Single (Closed exit)	BW BRL CON6 CON24	CLS	WH BK N/A	CL2 CL2P N/A	SST	ST BK BZ	
						P1 P2 — Pass through	BW BRL CON6 CON24	BW BRL CON6 CON24					

Voltage: 24 VDC

Typical lumens at 5.0W/ft with CL lens at 3000K: 331 lm/ft

*Available in 1" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

Static White High Efficacy

c(UL)us LISTED · RoHS COMPLIANT · white optics · 5 YEAR WARRANTY

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT3SW			**ENC**								**SST**		
	1.5HE 3.0HE 6.0HE	24 27 30 35 40	ENC (IP67)	STD Standard / WO WhiteOptics	CL TL	S1 S2 — Single (Closed exit)	BW BRL CON6 CON24	CLS	WH BK N/A	CL2 CL2P N/A	SST	ST BK BZ	
						P1 P2 — Pass through	BW BRL CON6 CON24	BW BRL CON6 CON24					

Voltage: 24 VDC

Typical lumens at 6.0W/ft with CL lens at 3000K: 563 lm/ft

*Available in 2" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

- If selecting **BRL**, select N/A for wire color and type
- **BW** comes in standard 24"- request custom length (Max 120") by writing it in inches next to "BW" in the order code box (ex. BW48)
- **Connector/Wire In or Out** not needed to specify product. Standard configuration is Type S1, Connector/Wire In: BW & Connector/Wire Out: CLS
- Specify **CL2P** for plenum rated wire

- 5 year warranty
- Field modifications void warranty
- Data subject to change, all data has +/- 5% tolerance
- Compatible for use with Q-Tran power supplies
- IK10 rated

LATO-ENCAPSULATED (03) Linear Fixtures

Dynamic White

cULus LISTED · RoHS COMPLIANT · whiteoptics · 5 YEAR WARRANTY

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT3DW	**6.0**	**24/30**	**ENC**								**SST**		
	6.0	24/30	ENC (IP67)	STD Standard / WO WhiteOptics	CL / TL	S1 S2 Single (Closed exit)	BW CON6 CON24	CLS	WH BK	CL2 CL2P	SST	ST BK BZ	
						P1 P2 Pass through	BW CON6 CON24	BW CON6 CON24					

Voltage: 24 VDC

Typical lumens at 6.0W/ft with CL lens at 3000K: 191 lm/ft

*Available in 2" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

Dynamic White High Efficacy

cULus LISTED · RoHS COMPLIANT · whiteoptics · 5 YEAR WARRANTY

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT3DW			**ENC**								**SST**		
	3.0HE 5.0HE	24/30 27/40	ENC (IP67)	STD Standard / WO WhiteOptics	CL / TL	S1 S2 Single (Closed exit)	BW CON6 CON24	CLS	WH BK N/A	CL2 CL2P N/A	SST	ST BK BZ	
						P1 P2 Pass through	BW CON6 CON24	BW CON6 CON24					

Voltage: 24 VDC

Typical lumens at 5.0W/ft with CL lens at 3000K: 205 lm/ft

*Available in 2" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

Static Color

cULus LISTED · RoHS COMPLIANT · whiteoptics · 5 YEAR WARRANTY · Certified with Red & Amber

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT3SC	**5.0**		**ENC**								**SST**		
	5.0	GR BL RD AB	ENC (IP67)	STD Standard / WO WhiteOptics	CL / TL	S1 S2 Single (Closed exit)	BW BRL CON6 CON24	CLS	WH BK N/A	CL2 CL2P N/A	SST	ST BK BZ	
						P1 P2 Pass through	BW BRL CON6 CON24	BW BRL CON6 CON24					

Voltage: 24 VDC

Typical lumens at 5.0W/ft with CL lens in green: 411 lm/ft

*Available in 2" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

- If selecting **BRL**, select N/A for wire color and type
- **BW** comes in standard 24"- request custom length (Max 120") by writing it in inches next to "BW" in the order code box (ex. BW48)
- **Connector/Wire In or Out** not needed to specify product. Standard configuration is Type S1, Connector/Wire In: BW & Connector/Wire Out: CLS
- Specify **CL2P** for plenum rated wire

- • 5 year warranty
- • Field modifications void warranty
- • Data subject to change, all data has +/- 5% tolerance
- • Compatible for use with Q-Tran power supplies
- • Florida Fish and Wildlife Conservation Commission (FWC) rated Strips: DRY and WET rated, Red and Amber
- • IK10 rated

LATO-ENCAPSULATED (03) Linear Fixtures

RGB

UL LISTED · RoHS COMPLIANT · whiteoptics® · 5 YEAR WARRANTY

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT3RGB	**6.0**	**RGB**	**ENC**								**SST**		

(alternatives below, marked with ^)

| | 6.0 | RGB | ENC (IP67) | STD Standard / WO WhiteOptics | CL TL | S1 S2 — Single (Closed exit) | BW CON6 CON24 | CLS | WH BK | CL2 CL2P | SST | ST BK BZ | |
| | | | | | | P1 P2 — Pass through | BW CON6 CON24 | BW CON6 CON24 | | | | | |

Voltage: 24 VDC

Typical lumens at 6.0W/ft with CL lens in green: 147 lm/ft

*Available in 2" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

RGBW High Efficacy

UL LISTED · RoHS COMPLIANT · whiteoptics® · 5 YEAR WARRANTY

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
LT1RGBW	**4.0HE**		**ENC**								**SST**		

(alternatives below, marked with ^)

| | 4.0HE | 27 30 35 40 | ENC (IP67) | STD Standard / WO WhiteOptics | CL TL | S1 S2 — Single (Closed exit) | BW CON6 CON24 | CLS | WH BK N/A | CL2 CL2P N/A | SST | ST BK BZ | |
| | | | | | | P1 P2 — Pass through | BW CON6 CON24 | BW CON6 CON24 | | | | | |

Voltage: 24 VDC

Typical lumens at 4.0W/ft with CL lens at 3000K: 69 lm/ft

*Available in 2" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

- **BW** comes in standard 24"- request custom length (Max 120") by writing it in inches next to "BW" in the order code box (ex. BW48)
- **Connector/Wire In or Out** not needed to specify product. Standard configuration is Type S1, Connector/Wire In: BW & Connector/Wire Out: CLS
- Specify **CL2P** for plenum rated wire

- 5 year warranty
- Field modifications void warranty
- Data subject to change, all data has +/- 5% tolerance
- Compatible for use with Q-Tran power supplies
- IK10 rated

LATO-ENCAPSULATED (03) Linear Fixtures

Technical Information

Static White [Calculated L70 = 30000 hrs]
Tested with LT3SW-**-30-ENC-STD

	1.5W/FT	3.0W/FT	4.0W/FT	5.0W/FT
	LM/FT	LM/FT	LM/FT	LM/FT
CL	126	219	272	331
TL	81	141	175	213

Tested with LT3SW-**-30-ENC-WO

	1.5W/FT	3.0W/FT	4.0W/FT	5.0W/FT
	LM/FT	LM/FT	LM/FT	LM/FT
CL	132	230	286	348
TL	85	148	184	224

Static White High Efficacy [Calculated L70 = 70000 hrs]
Tested with LT3SW-**-30-ENC-STD

	1.5HEW/FT	3.0HEW/FT	6.0HEW/FT
	LM/FT	LM/FT	LM/FT
CL	162	297	563
TL	104	191	362

Tested with LT3SW-**-30-ENC-WO

	1.5HEW/FT	3.0HEW/FT	6.0HEW/FT
	LM/FT	LM/FT	LM/FT
CL	154	282	534
TL	170	312	591

Dynamic White
[Calculated L70 = 70000 hrs]
Tested with LT3DW-6.0-**-ENC-STD

	3000K
	LM/FT
CL	191
TL	123

Tested with LT3DW-6.0-**-ENC-WO

	3000K
	LM/FT
CL	200
TL	129

Dynamic White High Efficacy
[Calculated L70 = 70000 hrs]
Tested with LT3DW-**-30-DRY-STD

	3.0W/FT	5.0W/FT
	LM/FT	LM/FT
CL	130	205
TL	84	132

Tested with LT3DW-6.0-**-DRY-WO

	3.0W/FT	5.0W/FT
	LM/FT	LM/FT
CL	136	215
TL	88	139

Static Color [Calculated L70 = 30000 hrs]
Tested with LT3SC-5.0-**-ENC-STD

	Red	Green	Blue	Amber
	LM/FT	LM/FT	LM/FT	LM/FT
CL	76	411	107	69
TL	49	265	69	44

Tested with LT3SC-5.0-**-ENC-WO

	Red	Green	Blue	Amber
	LM/FT	LM/FT	LM/FT	LM/FT
CL	80	432	112	72
TL	51	278	72	46

RGB [Calculated L70 = 55000 hrs]
Tested with LT3RGB-6.0-RGB-ENC-STD

	Red	Green	Blue
	LM/FT	LM/FT	LM/FT
CL	73	147	42
TL	47	95	27

Tested with LT3RGB-6.0-RGB-ENC-WO

	Red	Green	Blue
	LM/FT	LM/FT	LM/FT
CL	77	155	44
TL	49	100	28

RGBW High Efficacy [Calculated L70 = 70000 hrs]
Tested with LT3RGBW-4.0HE-30-DRY-STD

	Red	Green	Blue	3000K
	LM/FT	LM/FT	LM/FT	LM/FT
CL	29	112	24	69
TL	19	72	16	44

Tested with LT3RGBW-4.0HE-30-DRY-WO

	Red	Green	Blue	3000K
	LM/FT	LM/FT	LM/FT	LM/FT
CL	31	117	25	72
TL	20	76	16	46

Temperature Ratings Dependent on LED Strip W/FT

Light Engine (LED Strip)	W/FT	Minimum Limit (°F)	Maximum Limit (°F)
Static White	1.5	-40	138
	3.0	-40	124
	4.0	-40	115
	5.0	-40	108
Static White High-Efficacy	1.5HE	-40	152
	3.0HE	-40	140
	6.0HE	-40	118

LATO-ENCAPSULATED (03) Linear Fixtures

Lens
with LED visibility

CL	TL

Encapsulated in Clear

Encapsulated in Translucent
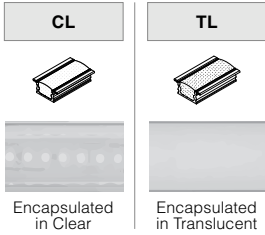
Mounting
2 clips provided for 4' or less; 4 clips provided for greater than 4'

SST

1.25" .81" .20"

Stainless steel clip

Type

SINGLE (Input only)

S1	S2

IN

End feed

IN

Bottom feed
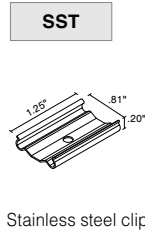
PASS THROUGH (Input/Output)

P1	P2

OUT IN

End feed

OUT IN

Bottom feed

Finish

ST	BK	BZ

Satin

Black

Bronze

Connector/Wire – In/Out

BW	BRL	CON6 / CON24

.15"

Bare Wire 24"

.42" .35"

Barrel 6"

.38" .39"

SW, SW-HE, DW, DW-HE, SC

.57" .57"

RGB, RGBW-HE

6" or 24" wire connector

End Caps

No Feed

.20" .22" .45" .08" .70"

Feed

.20" .22' .45" .08" .70"

Dimensions

1.0" .55" .07" .35" .41" .47" .70"

Profile

1.0" .41" .47" .51" .81"

Profile with stainless steel mounting clip
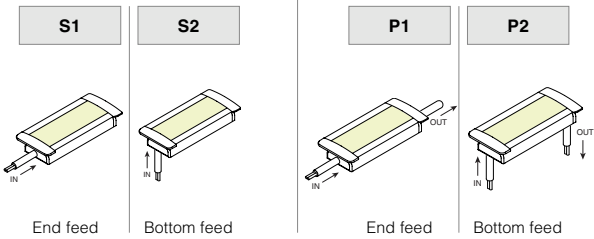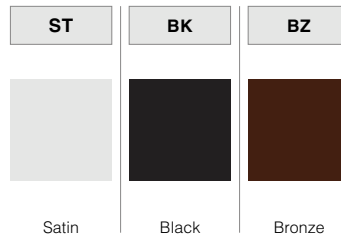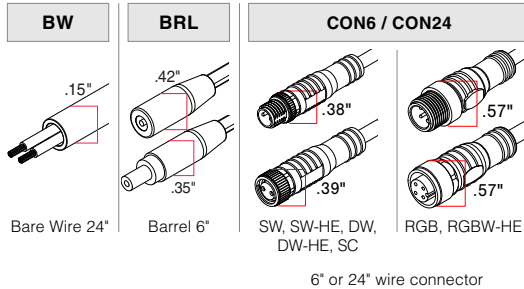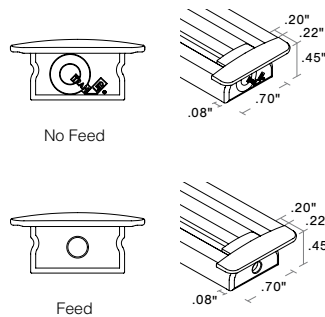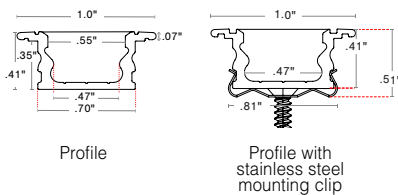
Length (in) Add to nominal LED length for fixture length

.22" .25" .22"

.22" .25" .25" .22"

Endcap#1
Endcap#2
Space to solder wire

S1 .22" + .22" + .25" = .69"

P1 .22" + .22" + 2(.25") = .94"