ESSENTIALS LATO-ENCAPSULATED (03) RGBW
24VDC Linear Fixtures - Recessed

WHITE OPTICS | c(UL)us LISTED | RoHS Compliant | EPD ENVIRONMENTAL PRODUCT DECLARATION | 5 YEAR WARRANTY | Red List Approved Declare.

- Shallow flanged recessed fixture
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations (IK10)
- Flanged design merges light source with surface
- Stainless steel mounting clips
- Features painted end caps to match extrusion finish or clear end caps to achieve seamless appearance of long runs
- Red, Green, and Blue LED paired with a specifiable white LED allow for color changing applications
- 21 diodes per 2" cut point allowing for minimal diode visibility

Dimensions: 1.0", .55", .47", .07", .41", .35", .70"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS	WIRE INPUT/OUTPUT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	INPUT END CAP	OUTPUT END CAP	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/OPTIMAL
LT3RGBW	4.0HE		ENC						STD	STD			SST			

Sample Part Number: **LT3RGBW-4.0HE-30-ENC-WO-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E**

1 PRODUCT
LT3RGBW

See following pages for compatible power supplies.

2 WATTS/FT
4.0HE 4.0W/ft HE

3 CCT
27	RGBW-2700K
30	RGBW-3000K
35	RGBW-3500K
40	RGBW-4000K

4 RATED
ENC IP67

5 EFFICIENCY
STD	Standard
WO	White Optics

WhiteOptics - Internal coating, greater lumen output

6 LENS
CL	Clear
TL	Translucent

For representation of LED visibility, see Diode Visibility section on following pages.
For beam angles, see Photometric Performance section on following pages

7 WIRE INPUT/OUTPUT
S1	Single 1 (Input only) - End Feed
S2	Single 2 (Input only) - Bottom Feed
P1	Pass Through 1 (Input/output) - End Feed
P2	Pass Through 2 (Input/output) - Bottom Feed

For continuous mounting, consider bottom feed

8 CONNECTOR/WIRE IN
BW	Bare Wire (Standard 24")
CON6	Connector 6"
CON24	Connector 24"
BW	Bare Wire (Standard 24")
CON6	Connector 6"
CON24	Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

9 CONNECTOR/WIRE OUT
CLS	Closed End (No feed)
BW	Bare Wire (Standard 24")
CON6	Connector 6"
CON24	Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

10 INPUT END CAP
STD Standard

STD - End cap matches fixture finish chosen

11 OUTPUT END CAP
STD Standard

STD - End cap matches fixture finish chosen

12 WIRE COLOR
WH	White
BK	Black

13 WIRE TYPE
CL2	Class 2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

14 MOUNTING
SST Stainless Steel

15 FINISH
ST	Satin
BK	Black
BZ	Bronze
CU	Custom

Custom finishes require a longer lead time, consult factory

16 LENGTH (IN)
Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

17 EXACT/OPTIMAL
O	Optimal Illumination
E	Exact Specified Length

Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts.

Specification subject to change. Rev-01-13-26

5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | IK10 rated | Patent # D799,065 S

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1 PRODUCT - DIMENSIONS

Profile

Profile with stainless steel mounting clip

Profile with low profile magnet
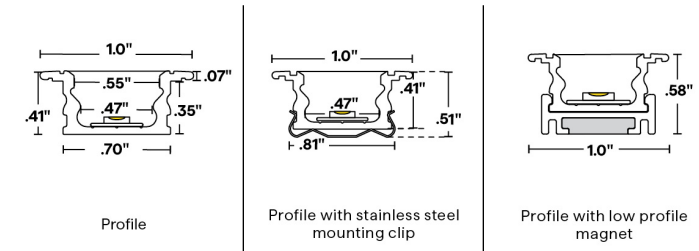
2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with LT3RGBW-4.0HE-30-ENC-STD

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	22	629	86	516	18	465	53	97
TL	12	629	45	516	10	465	28	97

[Calculated L70 = 40000 hrs]
Tested with LT3RGBW-4.0HE-30-ENC-WO

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	24	629	90	516	19	465	55	97
TL	12	629	48	516	10	465	29	97

6 DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation
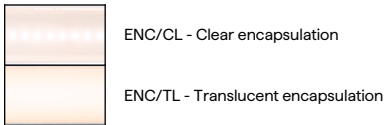
TEMPERATURE RATINGS
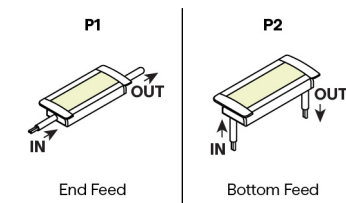
	4.0 HE W/FT	
	Min	Max
Ambient Operating Temp - Recessed	-4°F	100°F
Ambient Operating Temp - Surface	**	**

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1

IN

End Feed

S2

IN

Bottom Feed
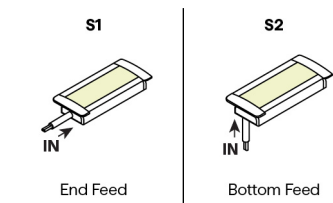
PASS THROUGH (Input/Output)

P1

IN   OUT

End Feed

P2

IN   OUT

Bottom Feed

CONFIGURATION OPTIONS

.22" width of end cap
.22" width of end cap
S1

Single End Feed

.22" width of end cap
.22" width of end cap
S1
P1

Non-Continuous End Feed

.44" width of end cap
S2
P2

Non-Continuous Bottom Feed

.44" width of end cap
S1
S1

Non-Continuous End to End Feed
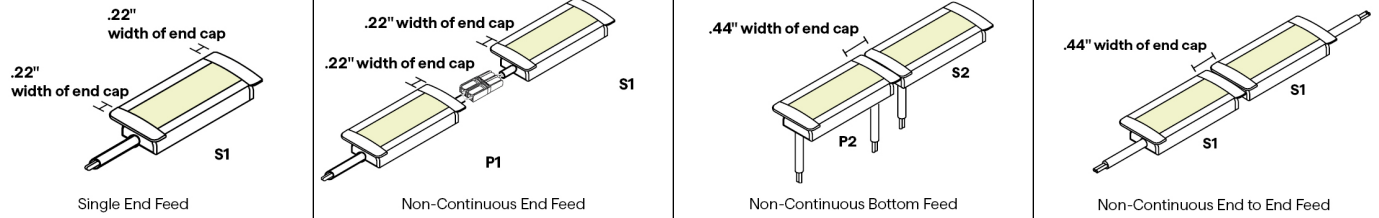
8 / 9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out
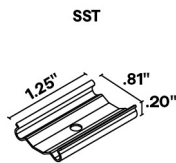
BW

.16"

Bare Wire 24"
22 AWG

CON6/CON24

1.65"
.57"
1.61"
.57"

6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed
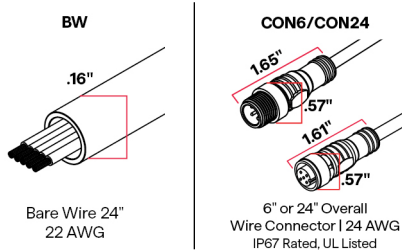
12 WIRE COLOR

White

Black

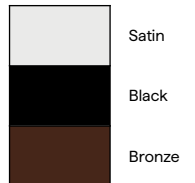## 14 MOUNTING

SST

1.25"
.81"
.20"

Stainless Steel Clip

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use SST-01

Each clip comes with a #4 x 5/8" Flat Head screw

15 FINISH

Satin

Black

Bronze

Custom finishes require a longer lead time, consult factory

## 17 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →   E/O Explained →

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.
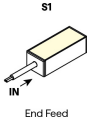
ESSENTIALS LATO-ENCAPSULATED (03) RGBW
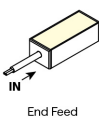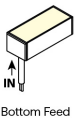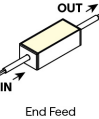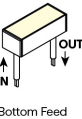## 24VDC Linear Fixtures - Recessed

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
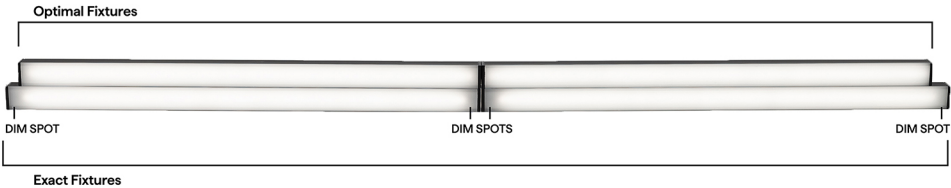
Exact Fixtures

RGBW ENC LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture (S1, End Feed)
12"	2"
13"	0.5"
14"	1"
15"	1.5"
16"	2"
17"	0.5"
18"	1"
19"	1.5"
20"	2"
21"	0.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2	P1 & P2
12"	8.51"	8.86"
13"	12.51"	12.86"
14"	12.51"	12.86"
15"	12.51"	12.86"
16"	12.51"	12.86"
17"	16.51"	16.86"
18"	16.51"	16.86"
19"	16.51"	16.86"
20"	16.51"	16.86"
21"	20.51"	20.86"
22"	20.51"	20.86"
23"	20.51"	20.86"
24"	20.51"	20.86"
36"	32.51"	32.86"
48"	44.51"	44.86"
60"	56.51"	56.86"
72"	68.51"	68.86"
84"	80.51"	80.86"
96"	92.51"	92.86"

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle	

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DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M
1.41" .71"
Adjustable mounting bracket - Medium

HINGE - HMB-L
1.46" 1.29"
Adjustable mounting bracket - Large

HINGE - HMB-XL
4" 1.46"
Adjustable mounting bracket - XLarge

Q-PIVOT
.75" 1.03"
Small mounting accessory

Q-ANGLE
2.23" 1.38"
Adjustable mounting accessory

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5
2.80" 2.27"
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE
1.36" 2.58"
Wi-Fi or Bluetooth Connectivity

iQ-DMX-STICK-GA2
DMX controller for changing color & dimming

COMPATIBLE APPS

NFC APP
Q-NFC
Read and write DMX addresses and adjust voltage