

# ROND-FLAT (01) Linear Fixtures



All-around excellence. The slim and versatile design and ability to adjust to a variety of angles in the field make ROND an extremely versatile lighting solution.

- The unique round profile can be rotated by 45° in the field with included mounting clips
- High-quality aluminum housings and stainless steel clips are available in satin or black finishes
- Available in Static White, Static White High Efficacy Plus, Static White Individually Addressable, Warm Dim, Dynamic White, Dynamic White High Efficacy, Static Color, RGB, and RGBW High Efficacy
- Choose from clear, frosted, and diffused lens options
- A fully assembled fixture that is suitable for installation in the storage area of a clothes closet when using 4.0W/ft or less
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look

## Part Number Builder

Static White



Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1SW</b>				<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC	1.5 3.0 4.0 5.0 6.0	20 22 24 27 30 35 40	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b>	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b> <b>N/A</b>	<b>CL2</b> <b>CL2P</b> <b>N/A</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
Typical lumens at 5.0W/ft with CL lens at 3000K: 377 lm/ft			<b>DMP</b> (IP54)			<b>P1</b> Pass through	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>					

\*Available in 1" increments for 1.5W/ft - 5.0W/ft and 2" increments for 6.0W/ft. Maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

## Static White High Efficacy Plus



Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1SW</b>				<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC	<b>3.0HE+</b> <b>6.0HE+</b>	27 30 35 40	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b>	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b> <b>N/A</b>	<b>CL2</b> <b>CL2P</b> <b>N/A</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	Max continuous length: 3.0W - 196" 6.0W - 118"
Typical lumens at 6.0W/ft with CL lens at 3000K: 901 lm/ft						<b>P1</b> Pass through	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>					

\*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
- **One Step, One Bin** based on 5W/ft

- 5 year warranty
- Field modifications void warranty
- Data subject to change, all data has +/- 5% tolerance
- Compatible for use with Q-Tran power supplies
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot

# ROND-FLAT (01) Linear Fixtures



## Static White Individually Addressable

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1IA</b>	<b>5.0</b>		<b>DRY</b>	<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC	<b>5.0</b>	<b>27</b> <b>30</b> <b>35</b> <b>40</b>	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit)	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b>	<b>CL2</b> <b>CL2P</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
						<b>P1</b> Pass through	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>CON6</b> <b>CON24</b>					

\*Available in 3.35" increments, maximum length of 98.43" not including end caps. Tolerance +0.0"/-0.5. Minimum fixture length 6".

## Warm Dim

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1WD</b>	<b>6.0</b>		<b>DRY</b>	<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC	<b>6.0</b>	<b>19/27</b> <b>19/30</b>	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit)	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b> <b>N/A</b>	<b>CL2</b> <b>CL2P</b> <b>N/A</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
						<b>P1</b> Pass through	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>					

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

## Dynamic White

Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1DW</b>	<b>6.0</b>			<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC	<b>6.0</b>	<b>20/27</b> <b>20/30</b>	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit)	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b>	<b>CL2</b> <b>CL2P</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
Typical lumens at 6.0W/ft with CL lens at 3000K: 217 lm/ft		<b>24/30</b>	<b>DMP</b> (IP54)			<b>P1</b> Pass through	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>CON6</b> <b>CON24</b>					

\*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

# ROND-FLAT (01) Linear Fixtures



## Dynamic White High Efficacy



Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1DW</b>				<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC													
Typical lumens at 5.0W/ft with CL lens at 3000K: 233 lm/ft	<b>3.0HE</b> <b>5.0HE</b>	<b>20/27</b> <b>20/30</b> <b>27/40</b> <b>27/55</b>	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit)	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b>	<b>CL2</b> <b>CL2P</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
		<b>24/30</b> <b>27/40</b>	<b>DMP</b> (IP54)			<b>P1</b> Pass through	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>CON6</b> <b>CON24</b>					

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

## Static Color



Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1SC</b>	<b>5.0</b>			<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC													
Typical lumens at 5.0W/ft with CL lens in green: 467 lm/ft	<b>5.0</b>	<b>GR</b> <b>BL</b> <b>RD</b> <b>AB</b>	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit)	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b> <b>N/A</b>	<b>CL2</b> <b>CL2P</b> <b>N/A</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
			<b>DMP</b> (IP54)			<b>P1</b> Pass through	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>BRL</b> <b>CON6</b> <b>CON24</b>					

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

## RGB



Product	W/FT	CCT	Rated	Efficiency	Lens	Input/Output	Connector/Wire In	Connector/Wire Out	Wire Color	Wire Type	Mounting	Finish	Length* (in)
<b>RD1RGB</b>	<b>6.0</b>	<b>RGB</b>		<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC													
Typical lumens at 6.0W/ft with CL lens in green: 168 lm/ft	<b>6.0</b>	<b>RGB</b>	<b>DRY</b> (IP20)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit)	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b>	<b>WH</b> <b>BK</b>	<b>CL2</b> <b>CL2P</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	
			<b>DMP</b> (IP54)			<b>P1</b> Pass through	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>BW</b> <b>CON6</b> <b>CON24</b>					



\*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
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot

# ROND-FLAT (01) Linear Fixtures



RGBW High Efficacy   **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)
<b>RD1RGBW</b>				<b>STD</b>							<b>SST</b>		
Voltage: 24 VDC Typical lumens at 8.0W/ft with CL lens at 3000K: 78 lm/ft													
	<b>4.0HE</b>	<b>27</b> <b>30</b> <b>35</b> <b>40</b>	<b>DRY</b> (IP20) <b>DMP</b> (IP54)	<b>STD</b> Standard	<b>CL</b> <b>FR</b> <b>DF</b>	<b>S1</b> Single (Closed exit) <b>P1</b> Pass through	<b>BW</b> <b>CON6</b> <b>CON24</b>	<b>CLS</b> <b>BW</b> <b>CON6</b> <b>CON24</b>	<b>WH</b> <b>BK</b>	<b>CL2</b> <b>CL2P</b>	<b>SST</b>	<b>ST</b> <b>BK</b>	

\*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

# ROND-FLAT (01) Linear Fixtures



## Technical Information

**Static White** [Calculated L70 = 30000 hrs]  
Tested with RD1SW-\*\*-30-DRY-STD

	1.5W/FT	3.0W/FT	4.0W/FT	5.0W/FT	6.0W/FT
	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT
CL	143	249	310	377	437
FR	139	243	302	368	426
DF	122	213	265	322	373

## Static White High Efficacy Plus

[Calculated L70 = 50000 hrs]  
Tested with RD1SW-\*\*-30-DRY-STD

	3.0HE+W/FT	6.0HE+W/FT
	LM/FT	LM/FT
CL	487	901
FR	475	879
DF	417	770

## Dynamic White

[Calculated L70 = 70000 hrs]  
Tested with RD1DW-6.0\*\*-DRY-STD

	3000K
	LM/FT
CL	217
FR	211
DF	185

## Dynamic White High Efficacy

[Calculated L70 = 70000 hrs]  
Tested with RD1DW-\*\*-30-DRY-STD

	3.0HEW/FT	5.0HEW/FT
	LM/FT	LM/FT
CL	148	233
FR	144	228
DF	126	200

## Static Color

[Calculated L70 = 30000 hrs]  
Tested with RD1SC-5.0\*\*-DRY-STD

	Red	Green	Blue	Amber
	LM/FT	LM/FT	LM/FT	LM/FT
CL	86	467	121	78
FR	84	456	118	76
DF	74	400	104	67

## RGB

[Calculated L70 = 55000 hrs]  
Tested with RD1RGB-6.0-RGB-DRY-STD

	Red	Green	Blue
	LM/FT	LM/FT	LM/FT
CL	83	168	47
FR	81	164	46
DF	71	143	40

**RGBW High Efficacy** [Calculated L70 = 70000 hrs]  
Tested with RD1RGBW-4.0HE-30-DRY-STD

	Red	Green	Blue	3000K
	LM/FT	LM/FT	LM/FT	LM/FT
CL	33	127	27	78
FR	32	124	27	76
DF	28	109	23	67

## Temperature Ratings

Dependent on LED Strip W/FT

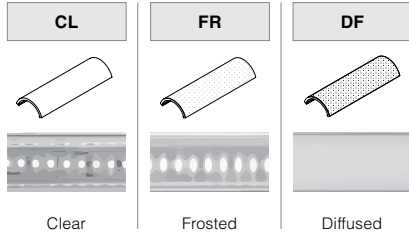
Light Engine (LED Strip)	W/FT	Minimum Limit (°F)	Maximum Limit (°F)
Static White	1.5	-40	138
	3.0	-40	124
	4.0	-40	115
	5.0	-40	108

# ROND-FLAT (01) Linear Fixtures



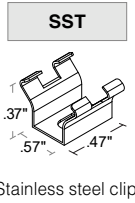
## Lens

with LED visibility



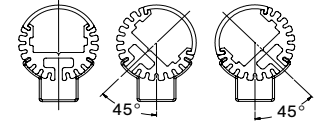
## Mounting

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



## Rotation

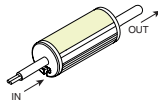
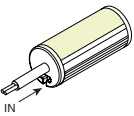
45° rotation



## Type

SINGLE (Input only)

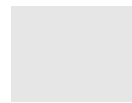
PASS THROUGH (Input/Output)



End feed

End feed

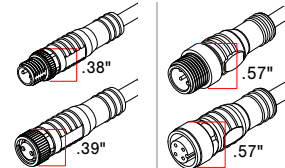
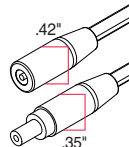
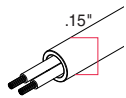
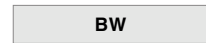
## Finish



Satin

Black

## Connector/Wire – In/Out



Bare Wire 24"

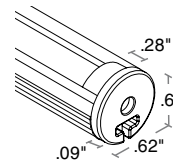
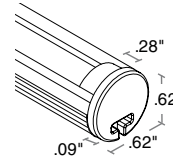
Barrel 6"

SW, SW-HE+, SW-IA,  
WD, DW, DW-HE, SC

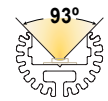
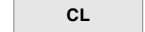
RGB,  
RGBW-HE

6" or 24" wire connector

## End Caps

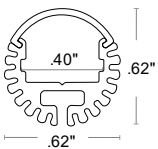


## Cut Off

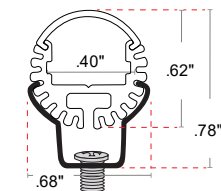


Clear 93°

## Dimensions

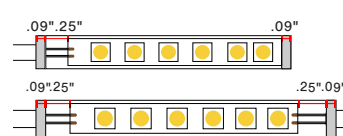


Profile with lens



Profile with stainless steel mounting clip

## Length (in) Add to nominal LED length for fixture length



Endcap#1    Endcap#2    Space to solder wire

$$S1 \quad .09' + .09' + .25' = .43'$$

$$P1 \quad .09' + .09' + 2(.25') = .68'$$