

# RESOURCE GUIDE - BUILDING A FIXTURE

## STRIP - STATIC WHITE - SW24/4.0

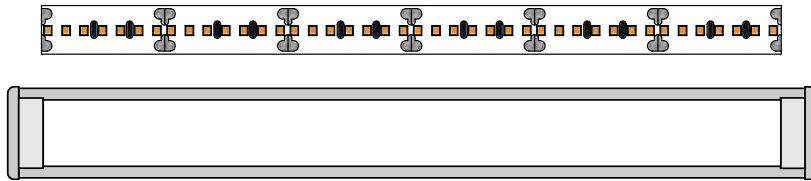


### BUILDING A FIXTURE

- 1 Fill out the ordering code on the STRIP cutsheet, choosing "MATCH" for ILLUMINATED LENGTH (IN).

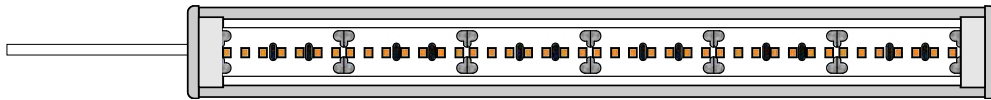
V/WATTS	RATED	CCT - LUMENS/CRI	<sup>3</sup> CONNECTOR/ WIRE IN	<sup>3</sup> CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
SW24/4.0	DRY	30	BW	CLS	MATCH

The strip you just created will now be *fitted* and installed into an extrusion. The strip and extrusion will not be equal in length; the strip will stop just short of the extrusion's endcaps.



- 2 Fill out the ordering code for the EXTRUSION cutsheet and choose a non-encapsulated lens (Clear, Frosted, Polar, or Diffused).

PRODUCT	FINISH	MOUNTING	LENS	TYPE	FINISHED FIXTURE LENGTH (IN)
TORQ	ST	SST	CL	S1	12"



# RESOURCE GUIDE - BUILDING A FIXTURE

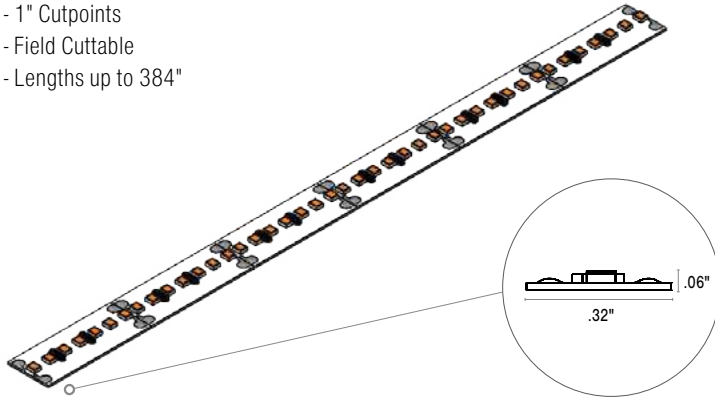
## STRIP - STATIC WHITE - SW24/4.0



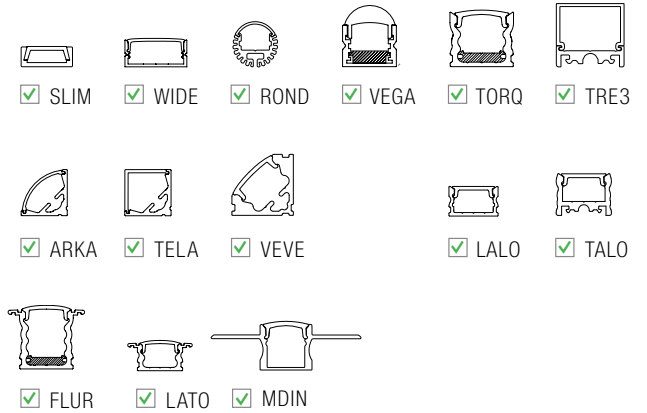
### RATED

#### DRY

- 1" Cutpoints
- Field Cuttable
- Lengths up to 384"

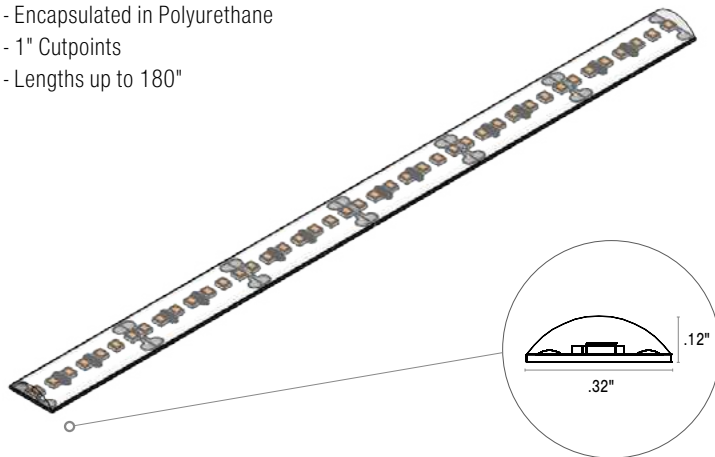


#### COMPATIBLE EXTRUSIONS

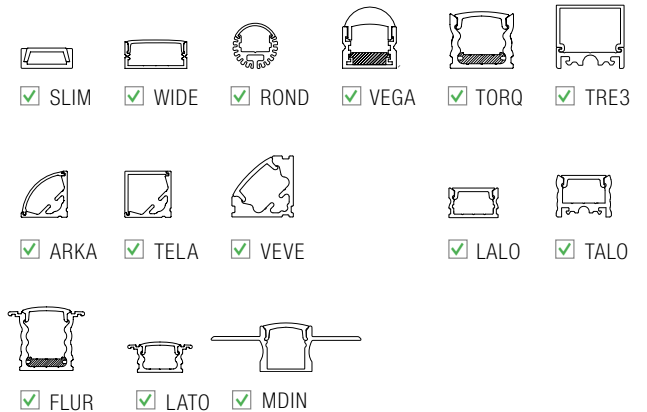


#### DAMP

- Encapsulated in Polyurethane
- 1" Cutpoints
- Lengths up to 180"

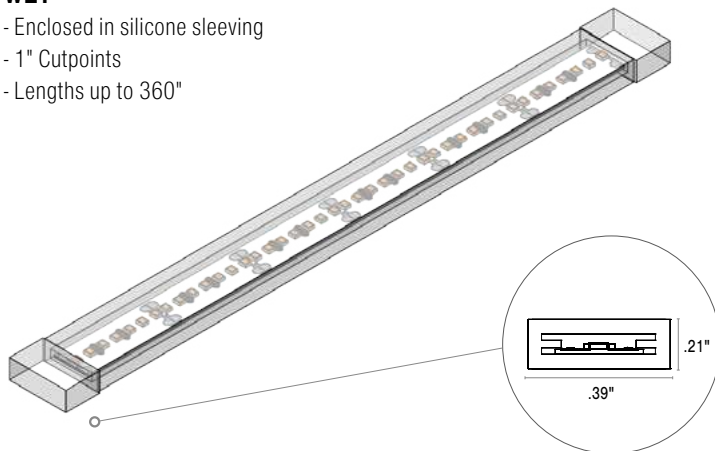


#### COMPATIBLE EXTRUSIONS



#### WET

- Enclosed in silicone sleeving
- 1" Cutpoints
- Lengths up to 360"



#### COMPATIBLE EXTRUSIONS



# RESOURCE GUIDE - BUILDING A FIXTURE

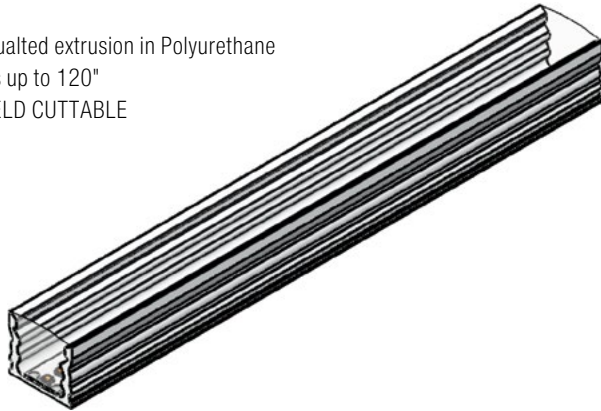
## STRIP - STATIC WHITE - SW24/4.0



### RATED

#### ENC

- Encapsulated extrusion in Polyurethane
- Lengths up to 120"
- NOT FIELD CUTTABLE



#### COMPATIBLE EXTRUSIONS:

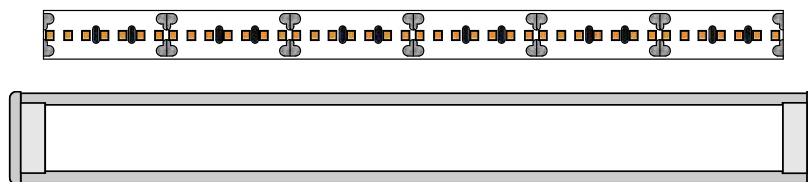


### BUILDING AN ENCAPSULATED FIXTURE

- Fill out the ordering code on the STRIP cutsheet, choosing "ENC" for RATED and "MATCH" for ILLUMINATED LENGTH (IN).

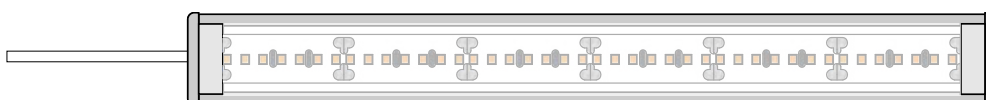
V/WATTS	RATED	CCT - LUMENS/CRI	<sup>3</sup> CONNECTOR/ WIRE IN	<sup>3</sup> CONNECTOR/ WIRE OUT	ILLUMINATED LENGTH (IN)
SW24/4.0	ENC	30	BW	CLS	MATCH

The strip you just created will now be *fitted* and installed into an extrusion. The strip and extrusion will not be equal in length; the strip will stop just short of the extrusion's endcaps.



- Fill out the ordering code for the EXTRUSION cutsheet and choose an encapsulated lens (ENC/CL or ENC/TL).

PRODUCT	FINISH	MOUNTING	LENS	TYPE	FINISHED FIXTURE LENGTH (IN)
TORQ	ST	SST	ENC/CL	S1	12"



# RESOURCE GUIDE - COLOR DATA

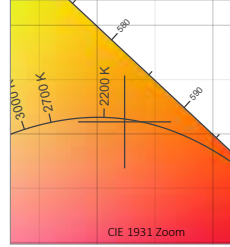
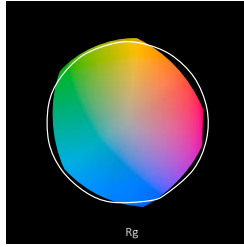
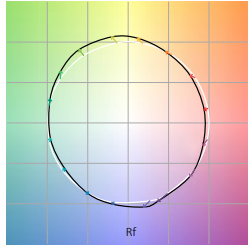
## STRIP - STATIC WHITE - SW24/4.0



### 2000K

2013 K

**CRI:** 92.8  
**CRI R9:** 59.8  
**TM30 Rf:** 88.1  
**TM30 Rg:** 103.0  
**CQS:** 79.2  
**X:** 0.524  
**Y:** 0.411  
**U:** 0.304  
**V:** 0.358  
**Δuv:** -0.0008



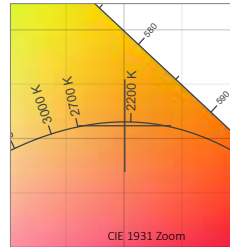
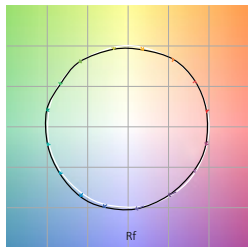
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
93.6	96.8	96.9	93.5	93.1	97.6	90.3	80.1	59.8	90.5	95.5	90.8	94.7	96.4	88.4	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
74.8	83.6	80.8	81.5	81.1	76.7	73.8	77.0	85.6	82.8	82.5	81.8	81.6	78.6	76.7	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88.9	86.9	85.0	87.8	89.3	86.9	84.8	88.0	91.3	93.0	90.8	88.5	88.4	70.6	84.9	86.6

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	89	-5%	-1%
2	87	-4%	5%
3	85	-1%	7%
4	88	5%	7%
5	89	9%	5%
6	87	9%	1%
7	85	5%	-8%
8	88	0%	-8%
9	91	-2%	-4%
10	93	-3%	1%
11	91	0%	4%
12	88	2%	3%
13	88	6%	-9%
14	71	1%	-15%
15	85	0%	-10%
16	87	-4%	-8%

### 2200K

2227 K

**CRI:** 95.5  
**CRI R9:** 90.4  
**TM30 Rf:** 93.5  
**TM30 Rg:** 100.5  
**CQS:** 90.2  
**X:** 0.501  
**Y:** 0.412  
**U:** 0.289  
**V:** 0.356  
**Δuv:** -0.0012



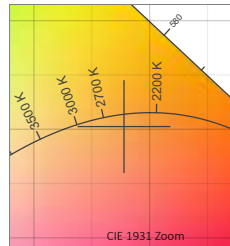
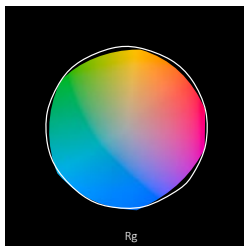
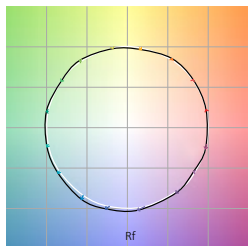
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
96.2	96.5	99.1	95.6	95.0	91.0	95.4	95.0	90.4	94.1	90.5	85.2	95.5	98.3	99.1	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
87.2	89.3	91.9	91.6	92.2	92.3	92.3	92.1	91.4	91.6	91.3	91.7	92.4	88.1	88.4	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.8	96.3	95.0	92.4	95.6	95.1	94.4	94.6	93.8	94.9	92.7	91.2	89.3	83.3	94.1	92.0

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-1%	1%
2	96	0%	0%
3	95	1%	-1%
4	92	-3%	-3%
5	96	-2%	0%
6	95	0%	3%
7	94	-1%	3%
8	95	3%	2%
9	94	2%	2%
10	95	2%	1%
11	93	5%	0%
12	91	3%	-4%
13	89	2%	-10%
14	83	-2%	-10%
15	94	-2%	-1%
16	92	-1%	-4%

### 2400K

2409 K

**CRI:** 94.7  
**CRI R9:** 96.8  
**TM30 Rf:** 93.5  
**TM30 Rg:** 102.3  
**CQS:** 92.4  
**X:** 0.478  
**Y:** 0.402  
**U:** 0.278  
**V:** 0.351  
**Δuv:** -0.0040



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
94.5	94.7	97.9	95.6	93.3	89.2	95.2	97.3	96.8	90.4	91.0	81.0	93.6	98.9	97.0	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
91.2	92.2	94.0	94.1	94.6	94.5	91.2	91.7	93.4	95.1	94.5	93.9	93.1	89.0	91.2	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	96.1	94.0	93.0	95.3	94.1	95.0	96.0	93.4	94.3	91.7	90.2	88.7	89.3	94.1	91.4

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	0%	2%
2	96	1%	1%
3	94	2%	0%
4	93	-2%	-3%
5	95	-1%	0%
6	94	2%	2%
7	95	0%	1%
8	96	2%	0%
9	93	2%	3%
10	94	3%	2%
11	92	5%	1%
12	90	4%	-4%
13	89	3%	-9%
14	89	1%	-6%
15	94	-2%	-1%
16	91	0%	-6%

**NOTES:**

- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

# RESOURCE GUIDE - COLOR DATA

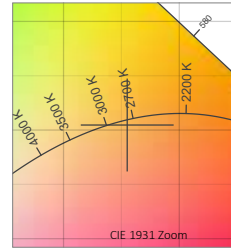
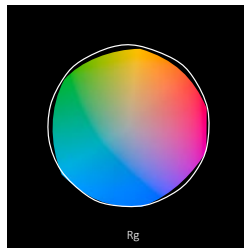
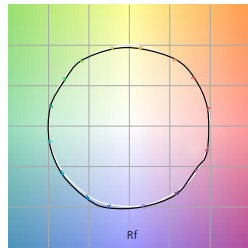
## STRIP - STATIC WHITE - SW24/4.0



### 2700K

2725 K

CRI: 97.2  
 CRI R9: 93.2  
 TM30 Rf: 93.7  
 TM30 Rg: 100.6  
 CQS: 95.0  
 X: 0.455  
 Y: 0.405  
 U: 0.262  
 V: 0.350  
 Δuv: -0.0018



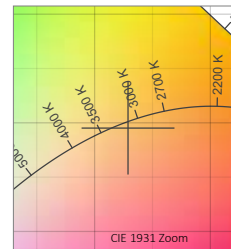
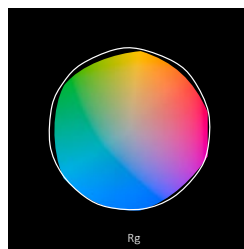
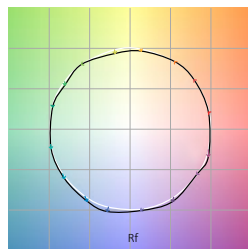
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.4	97.9	98.9	98.3	97.4	94.8	96.6	96.4	93.2	97.4	95.4	86.6	97.1	98.1	98.8	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
92.5	95.3	93.6	93.7	95.3	97.3	95.1	95.8	97.6	97.2	97.3	97.4	97.0	94.3	94.1	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	97.1	96.2	93.1	95.3	96.4	94.4	97.1	93.1	91.7	91.7	91.1	92.4	91.6	92.7	89.6

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	96	0%	0%
4	93	-3%	-2%
5	95	-2%	1%
6	96	0%	2%
7	94	-2%	3%
8	97	1%	1%
9	93	1%	4%
10	92	2%	5%
11	92	4%	4%
12	91	4%	-2%
13	92	1%	-5%
14	92	3%	-5%
15	93	-2%	0%
16	90	1%	-7%

### 3000K

3070 K

CRI: 97.8  
 CRI R9: 95.4  
 TM30 Rf: 93.1  
 TM30 Rg: 100.7  
 CQS: 94.9  
 X: 0.429  
 Y: 0.395  
 U: 0.249  
 V: 0.344  
 Δuv: -0.0025



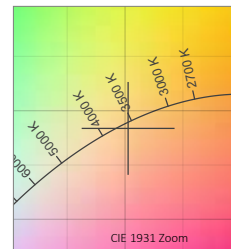
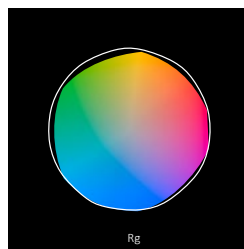
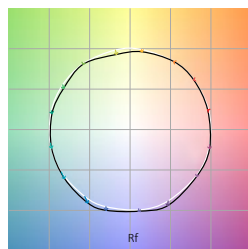
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.9	98.3	98.2	99.5	98.0	95.9	97.1	97.2	95.4	98.7	97.5	83.2	97.7	98.0	98.1	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
93.2	96.6	91.7	91.4	94.1	97.2	95.2	96.1	97.7	97.0	96.8	97.2	97.3	95.5	95.0	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.8	96.9	96.1	94.1	92.6	96.9	92.1	97.4	91.9	88.6	89.5	90.7	93.8	91.6	91.0	89.0

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	96	0%	1%
4	94	-2%	-1%
5	93	-5%	0%
6	97	0%	1%
7	92	-3%	3%
8	97	0%	1%
9	92	0%	5%
10	89	1%	6%
11	90	4%	6%
12	91	6%	-1%
13	94	1%	-4%
14	92	4%	-4%
15	91	0%	-2%
16	89	2%	-8%

### 3500K

3505 K

CRI: 97.7  
 CRI R9: 95.9  
 TM30 Rf: 91.7  
 TM30 Rg: 99.9  
 CQS: 95.2  
 X: 0.403  
 Y: 0.384  
 U: 0.237  
 V: 0.339  
 Δuv: -0.0025



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
98.3	98.9	97.7	98.5	97.7	96.1	97.1	97.1	95.9	99.0	98.3	78.0	98.5	97.8	97.4	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
93.7	98.4	90.6	89.7	93.3	96.5	96.7	97.6	98.5	97.8	97.4	98.1	98.4	97.3	96.3	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.8	96.3	95.4	92.8	91.0	96.7	91.9	94.1	90.0	85.7	86.2	90.7	94.4	91.1	89.9	89.2

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	94	-1%	1%
2	96	0%	0%
3	95	0%	1%
4	93	-3%	-1%
5	91	-6%	0%
6	97	-1%	1%
7	92	-3%	3%
8	94	-1%	3%
9	90	0%	6%
10	86	1%	9%
11	86	5%	7%
12	91	4%	1%
13	94	1%	-3%
14	91	5%	-4%
15	90	1%	-3%
16	89	1%	-5%

**NOTES:**

- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

# RESOURCE GUIDE - COLOR DATA

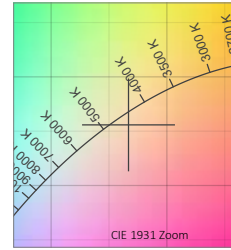
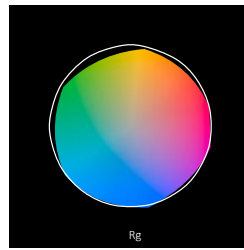
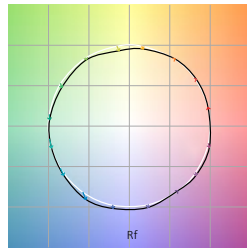
## STRIP - STATIC WHITE - SW24/4.0



4000K

4256 K

**CRI:** 95.9  
**CRI R9:** 89.4  
**TM30 Rf:** 89.9  
**TM30 Rg:** 100.1  
**CQS:** 93.8  
**X:** 0.367  
**Y:** 0.356  
**U:** 0.225  
**V:** 0.327  
 **$\Delta uv$ :** -0.0059



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
95.1	96.2	97.9	97.4	95.2	93.8	96.2	95.7	89.4	95.5	98.1	73.3	95.1	98.1	92.3	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
92.3	98.7	88.6	86.5	90.4	94.4	97.7	98.3	97.3	97.6	96.5	97.3	97.7	96.4	94.9	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.8	94.3	94.9	90.9	89.1	94.8	91.3	89.0	85.2	83.3	84.1	92.2	92.7	93.6	88.2	87.8

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	92	0%	2%
2	94	1%	0%
3	95	0%	0%
4	91	-3%	-2%
5	89	-6%	-1%
6	95	-2%	1%
7	91	-4%	3%
8	89	-2%	6%
9	85	0%	11%
10	83	1%	9%
11	84	5%	8%
12	92	4%	1%
13	93	3%	-2%
14	94	0%	1%
15	88	2%	-3%
16	88	2%	-4%

**NOTES:**

- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

# RESOURCE GUIDE - CONNECTORS/WIRE

## STRIP - STATIC WHITE



### CONNECTORS/WIRE

#### BARE WIRE

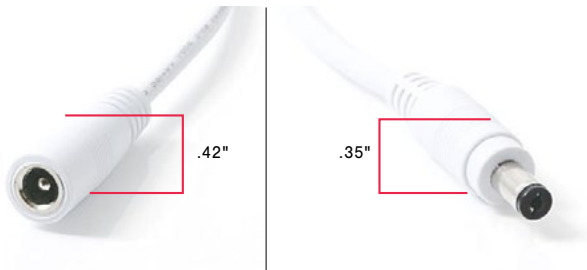
- Belden Wire 22 AWG
- Outdoor rated
- 24" Standard length



BARE WIRE

#### DRY BARREL

- 22 AWG
- Dry rated
- 6" Standard length

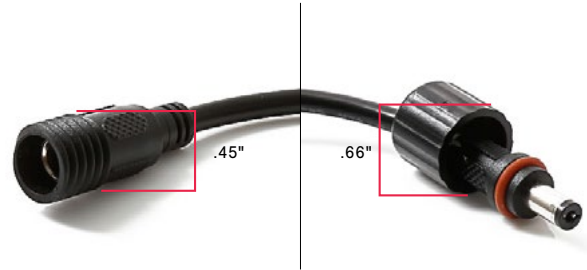


MALE  
INPUT CONNECTOR

FEMALE  
OUTPUT CONNECTOR

#### WET BARREL

- 18 AWG
- Wet rated
- 6" Standard length



MALE  
INPUT CONNECTOR

FEMALE  
OUTPUT CONNECTOR

### RELATED PRODUCTS



Sold: Individually



Junction Box that allows for splicing of LED Lead wires

\*Full ordering guide available for this product

### RELATED PRODUCTS



Sold: Individually



Two Females and one Male



Sold: Individually



Four Females and one Male



Sold: Individually



Connects a Male Barrel to a Male Barrel



Sold: Individually



Connects a Female Barrel to a Female Barrel

# RESOURCE GUIDE - LUMEN MULTIPLIER STRIP IN EXTRUSION



## FINISH

**ST** Satin finish    **BK** Black finish    **BZ** Bronze finish

**LENS**    **CL** Clear    **FR** Frosted    **PR** Polar    **DF** Diffused



ENC/CL Encapsulated in Clear

ENC/TL Encapsulated in Translucent

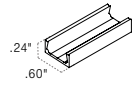
## LUMEN MULTIPLIER FORMULA

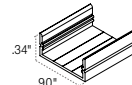
Bare LED Lumens x Extrusion Finish/Lens Value

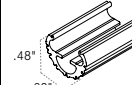
Example:

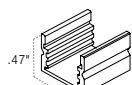
$$373 \text{ lm/ft} \times 0.61 = 227.53 \text{ lm/ft}$$

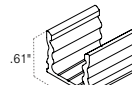
SW24/4.0 at 3000K x TORQ Extrusion in Black with FR Lens

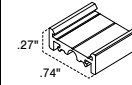
SLIM 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
.24" / .60"	CL	0.90	0.87	**
	DF	0.75	0.64	**

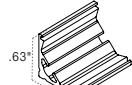
WIDE 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
.34" / .90"	CL	0.90	0.81	N/A
	FR	0.87	0.79	N/A
	PR	0.84	0.74	N/A
	DF	0.76	0.63	N/A

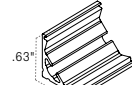
ROND 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
.48" / .62"	CL	0.83	**	N/A
	FR	0.81	**	N/A
	PR	0.77	**	N/A
	DF	0.71	**	N/A

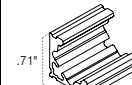
VEGA 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
.47" / .61"	CL	0.96	N/A	N/A


TORQ 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.76	0.63	**
		FR	0.74	0.61	**
		PR	0.64	0.51	**
		DF	0.57	0.41	**
ENC/CL	0.64	0.36	**		
ENC/TL	0.53	0.26	**		

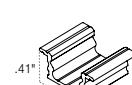
TRE3 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
.27" / .74"	DF	0.76	N/A	N/A

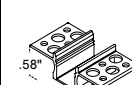
ARKA 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.95	0.90	**
		FR	0.93	0.89	**
PR	0.86	0.81	**		
DF	0.79	0.70	**		

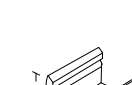
TELA 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
		FR	0.89	0.86
PR	0.83	0.79	**	
DF	0.79	0.72	**	

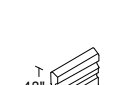
VEVE 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.83	0.71	N/A
		FR	0.82	0.71	N/A
PR	0.76	0.63	N/A		
DF	0.64	0.50	N/A		

FLUR 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.68	0.55	N/A
		FR	0.66	0.51	N/A
		PR	0.54	0.38	N/A
		DF	0.45	0.28	N/A
ENC/CL	0.54	0.30	N/A		
ENC/TL	0.34	0.16	N/A		

LATO 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.83	0.70	**
		FR	0.83	0.70	**
		PR	0.77	0.63	**
		DF	0.66	0.51	**
ENC/CL	0.73	0.48	**		
ENC/TL	0.47	0.27	**		

MDIN-S 	Lens	Finish		
		Satin (ST)	Black (BK)	Bronze (BZ)
DF	0.51	N/A	N/A	

TALO 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.84	0.71	N/A
		FR	0.83	0.70	N/A
		PR	0.77	0.64	N/A
		DF	0.70	0.54	N/A
ENC/CL	0.72	0.46	N/A		
ENC/TL	0.36	0.20	N/A		

LALO 	Lens	Finish			
		Satin (ST)	Black (BK)	Bronze (BZ)	
		CL	0.83	0.71	N/A
		FR	0.83	0.70	N/A
		PR	0.78	0.63	N/A
		DF	0.70	0.53	N/A
ENC/CL	0.73	0.47	N/A		
ENC/TL	0.39	0.20	N/A		

Diode free or near Diode free

**NOTES:** • Data subject to change, all data has +/- 5% tolerance