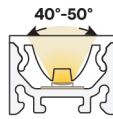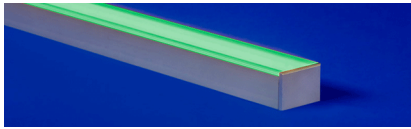# VERS-OPTICS (05) RGB
24VDC Linear Fixtures - Surface & Recessed

40°-50°

- Optically enhanced VERSatile fixture provides precision beam control for when precision lighting is needed
- The high-quality lens features a proprietary diffusing agent for superior beam control and clean edges
- Features integrated metal endcaps
- Mounting options include a concealed clip
- With an internal White Optics coating, the fixture achieves greater lumen output
- Durable anodized aluminum housings
- Consult factory for field assembly options
- Optional external louver accessory available in white or black for added glare control

① PRODUCT	② WATTS/ FT	③ CCT	④ RATED	⑤ LENS	⑥ EXTERNAL LOUVER	⑦ WIRE INPUT/ OUTPUT	⑧ CONNECTOR/ WIRE IN	⑨ CONNECTOR/ WIRE OUT	⑩ WIRE COLOR	⑪ WIRE TYPE	⑫ MOUNTING	⑬ FINISH	⑭ LENGTH (IN)	⑮ EXACT/ OPTIMAL
VERS-05-RGB	6.0	RGB	DRY											

Sample Part Number: VERS-05-RGB-6.0-RGB-DRY-40D-L1-BK-P1-BW-BW-BK-CL2-CC-BK-48"-E

① PRODUCT

VERS-05-RGB

See following pages for compatible power supplies.

② WATTS/FT

6.0   6.0W/ft

③ CCT

RGB

④ RATED

DRY   IP20

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

⑤ LENS

40D   Optical 40°
50D   Optical 50°

⑥ EXTERNAL LOUVER

L1-WH   White Plastic
L1-BK   Black Plastic
L2-ST   Satin Anodized Aluminum
L2-BK   Black Anodized Aluminum
L2-WH   White Powder Coated Aluminum
N/A   No Louver

Plastic Louvers come in 12" lengths, multiple pieces will be used to match fixture length. Aluminum louvers come in maximum 98" lengths and will be cut to match fixture length. White and custom painted finishes are not compatible with L2 external louvers.

⑦ WIRE INPUT/OUTPUT

S1   Single 1 (Input only) - End Feed
S2   Single 2 (Input only) - Bottom Feed
S3   Single 3 (Input only) - Left Side Feed
S4   Single 4 (Input only) - Right Side Feed

P1   Pass Through 1 (Input/output) - End Feed
P2   Pass Through 2 (Input/output) - Bottom Feed
P3   Pass Through 3 (Input/output) - Left Side Feed
P4   Pass Through 4 (Input/output) - Right Side Feed

When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.

⑧ CONNECTOR/WIRE IN

BW   Bare Wire (Standard 36")
CON6   Connector 6"
CON24   Connector 24"

BW   Bare Wire (Standard 36")
CON6   Connector 6"
CON24   Connector 24"

BW: Standard length is 36", 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 36")
CON6   Connector 6"
CON24   Connector 24"

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48")

⑩ WIRE COLOR
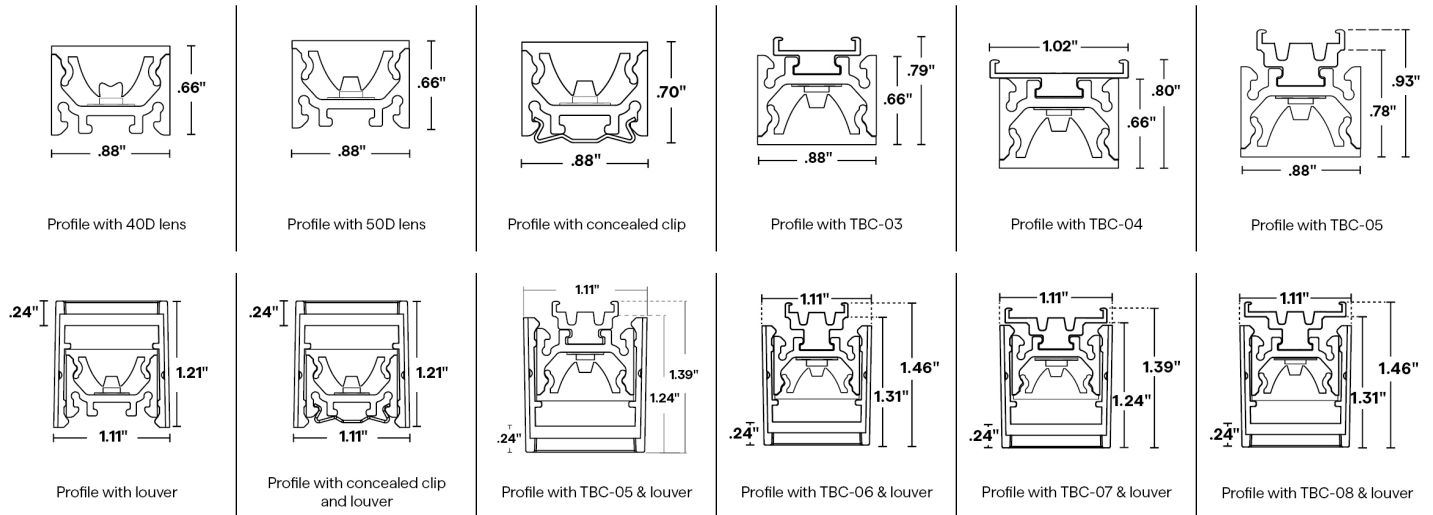
WH   White
BK   Black

⑪ WIRE TYPE

CL2   Class 2
CL2P   Plenum Rated

CL2P only available with bare wire leads (BW)

⑫ MOUNTING

CC   Concealed Clip
TBC-03   9/16" Flat TB-Grid
TBC-04   15/16" Flat or Tegular TB-Grid
TBC-05   9/16" Tegular TB-Grid or 9/16" Flat TB-Grid, with External Louver
TBC-06   9/16" Tegular TB-Grid, with External Louver
TBC-07   15/16" Flat TB-Grid, with External Louver
TBC-08   15/16" Tegular TB-Grid, with External Louver

⑬ FINISH

ST   Satin
BK   Black
BZ   Bronze
WH   White
CU   Custom

White and custom painted finishes are not compatible with external louvers.
Custom finishes require a longer lead time, consult factory. Any white finish other than RAL 9003 must be custom ordered.

⑭ LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

⑮ 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.

VERS-OPTICS (05) RGB
24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS

.66" / .88"	.66" / .88"	.70" / .88"	.79" / .66" / .88"	1.02" / .80" / .66"	.93" / .78" / .88"
Profile with 40D lens	Profile with 50D lens	Profile with concealed clip	Profile with TBC-03	Profile with TBC-04	Profile with TBC-05

.24" / 1.21" / 1.11"	.24" / 1.21" / 1.11"	1.11" / 1.39" / 1.24" / .24"	1.11" / 1.46" / 1.31" / .24"	1.11" / 1.39" / 1.24" / .24"	1.11" / 1.46" / 1.31" / .24"
Profile with louver	Profile with concealed clip and louver	Profile with TBC-05 & louver	Profile with TBC-06 & louver	Profile with TBC-07 & louver	Profile with TBC-08 & louver

2 DELIVERED LUMENS

[Calculated L70 = 52000 hrs]
Tested with VERS-05-RGB-6.0-RGB-DRY

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT
40D	91	632	178	522	49	470	286
50D	93	632	182	523	49	470	292

5 DIODE VISIBILITY

Optical lens

PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.
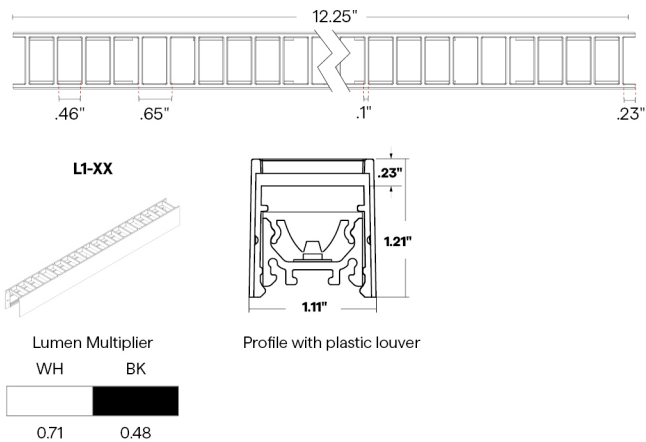
6W/ft | Green   40D lens

44.9°

6W/ft | Green   50D lens

59°
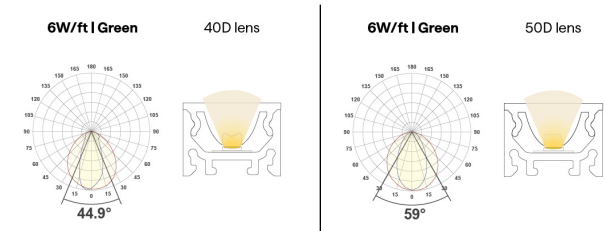
TEMPERATURE RATINGS

		6.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-13°F	105°F

6 EXTERNAL LOUVER

PLASTIC

12.25"

.46" .65" .1" .23"

L1-XX

Lumen Multiplier

WH	BK
0.71	0.48

Profile with plastic louver

.23" 1.21" 1.11"

METAL

98"

.46" .65" .1" .23"

L2-XX

Lumen Multiplier

WH	BK	ST
0.72	0.53	0.68

Profile with metal louver

.24" 1.18" 1.08"
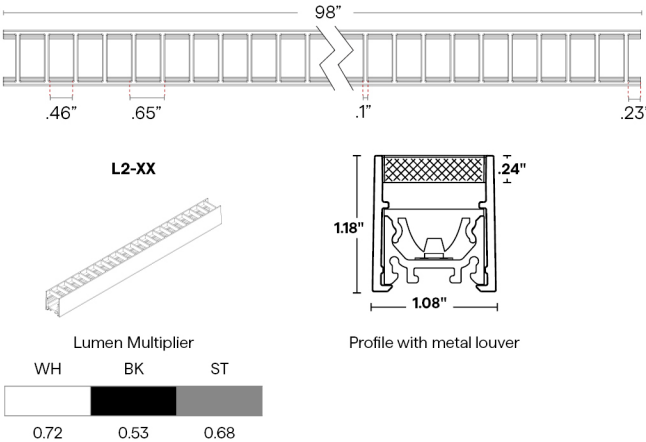
7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	S2	S3	S4
IN	IN	IN	IN
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right
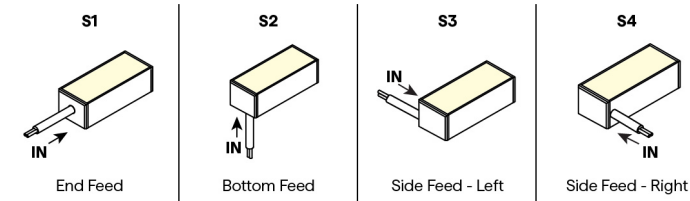
PASS THROUGH (Input/Output)
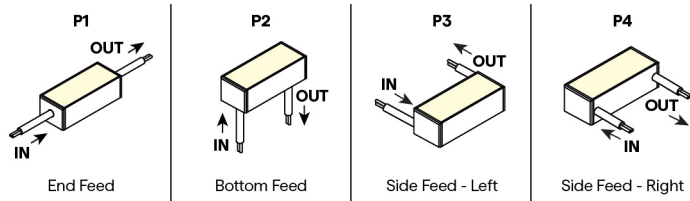
P1	P2	P3	P4
OUT / IN	OUT / IN	IN / OUT	OUT / IN
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

CONFIGURATION OPTIONS

S1

.08" width of end cap

.08" width of end cap

Single End Feed

P1 · S1

Connection by others

Non-Continuous End Feed

P1 · S1

Connection by others

Non-Continuous Corner Feed

.16" width of end caps

S2

P2

Continuous Bottom Feed

S3 · P3

.16" width of end caps

Continuous Side Feed - Left

.16" width of end caps · S4 · P4

Continuous Side Feed - Right

S1 · S1

.16" width of end caps

Continuous End to End Feed

8 / 9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product.

BW

.15"

Bare Wire 36"
22 AWG

CON6/CON24

1.65"

.57"

1.61"

.57"

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

10 WIRE COLOR

White

Black

12 MOUNTING

CC (CC-01)	**CC** (CC-02)	**TBC-03**	**TBC-04**	**TBC-05**
.18" .7" 1.25"	.21" .7" 1.25"	.64" .50" .27"	1.02" .50" .27"	.64" .50" .41"
Concealed Clip	Louver Concealed Clip *Required if L1 or L2 Louver is selected*	Plastic T-Bar Clip	Plastic T-Bar Clip	Plastic T-Bar Clip
2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'	2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'	Use on 9/16" Flat Drop Ceiling	Use on 15/16" Flat or Tegular Drop Ceiling	Use on 9/16" Tegular Drop Ceiling
To order separately use CC-01 (sold in pairs)	To order separately use CC-02 (sold in pairs)	2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.	2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.	2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.
Each clips comes with a #4 x 5/8" Flat Head screw.	Each clips comes with a #4 x 5/8" Flat Head screw.	To order separately use TBC-03	To order separately use TBC-04	To order separately use TBC-05
		Each pair of clips comes with M2.5 x 4mm set screw and Allen key	Each pair of clips comes with M2.5 x 4mm set screw and Allen key	Each pair of clips comes with M2.5 x 4mm set screw and Allen key

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

MOUNTING CONTINUED

TBC-06	TBC-07	TBC-08
.64" .50" .48"	1.02" .50" .41"	1.02" .50" .48"
Plastic T-Bar Clip	Plastic T-Bar Clip	Plastic T-Bar Clip
Use with Louver on 9/16" Tegular Drop Ceiling	Use with Louver on 15/16" Flat Drop Ceiling	Use with Louver on 15/16" Tegular Drop Ceiling
2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.	2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.	2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.
To order separately use TBC-06	To order separately use TBC-07	To order separately use TBC-08
Each pair of clips comes with M2.5 x 4mm set screw and Allen key	Each pair of clips comes with M2.5 x 4mm set screw and Allen key	Each pair of clips comes with M2.5 x 4mm set screw and Allen key

(13) FINISH

- Satin
- Black
- Bronze
- White

Custom finishes require a longer lead time, consult factory

(15) EXACT/OPTIMAL FIXTURE LENGTH

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.
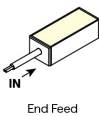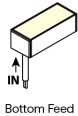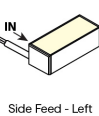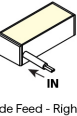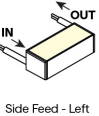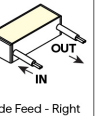
Optimal Fixtures
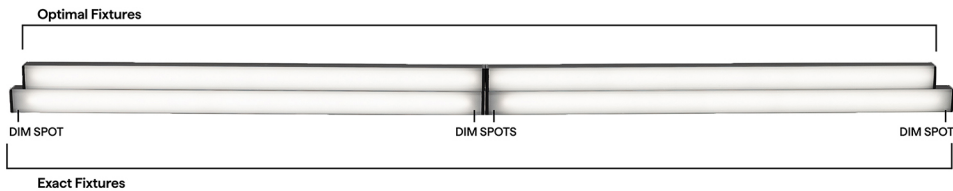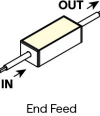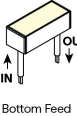
DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

RGB DRY LENGTHS BY INCH

EXACT LENGTH

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

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
12"	10.59"		10.94"		10.49"		10.59"	
13"	12.59"		12.94"		12.49"		12.59"	
14"	12.59"		12.94"		12.49"		12.59"	
15"	14.59"		14.94"		14.49"		14.59"	
16"	14.59"		14.94"		14.49"		14.59"	
17"	16.59"		16.94"		16.49"		16.59"	
18"	16.59"		16.94"		16.49"		16.59"	
19"	18.59"		18.94"		18.49"		18.59"	
20"	18.59"		18.94"		18.49"		18.59"	
21"	20.59"		20.94"		20.49"		20.59"	
22"	20.59"		20.94"		20.49"		20.59"	
23"	22.59"		22.94"		22.49"		22.59"	
24"	22.59"		22.94"		22.49"		22.59"	
36"	34.59"		34.94"		34.49"		34.59"	
48"	46.59"		46.94"		46.49"		46.59"	
60"	58.59"		58.94"		58.49"		58.59"	
72"	70.59"		70.94"		70.49"		70.59"	
84"	82.59"		82.94"		82.49"		82.59"	
96"	94.59"		94.94"		94.49"		94.59"	

COMPATIBLE POWER SUPPLIES

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

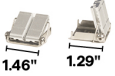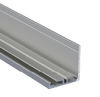| DIM TO LEVEL	INDOOR
	RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle

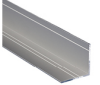| DIMMING PROTOCOL	INDOOR
	RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8

VERS-OPTICS (05) RGB
24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	**HINGE - HMB-L**	**HINGE - HMB-XL**	**Q-PIVOT**	**Q-ANGLE**	**NJ-LARGE**	**NU-LARGE**	**SD-J-LARGE**	**BL-LARGE**	**NL-LARGE**
1.41" .71"	1.46" 1.29"	4" 1.46"	.75" 1.03"	2.23" 1.38"					
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	J Mounting Bracket	U Mounting Bracket	J Mounting Bracket	Backwards L Mounting Bracket	L Mounting Bracket

SD-L-LARGE

L Mounting Bracket

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

COMPATIBLE APPS

NFC APP

Q-NFC
BY QTL

Read and write
DMX addresses and
adjust voltage