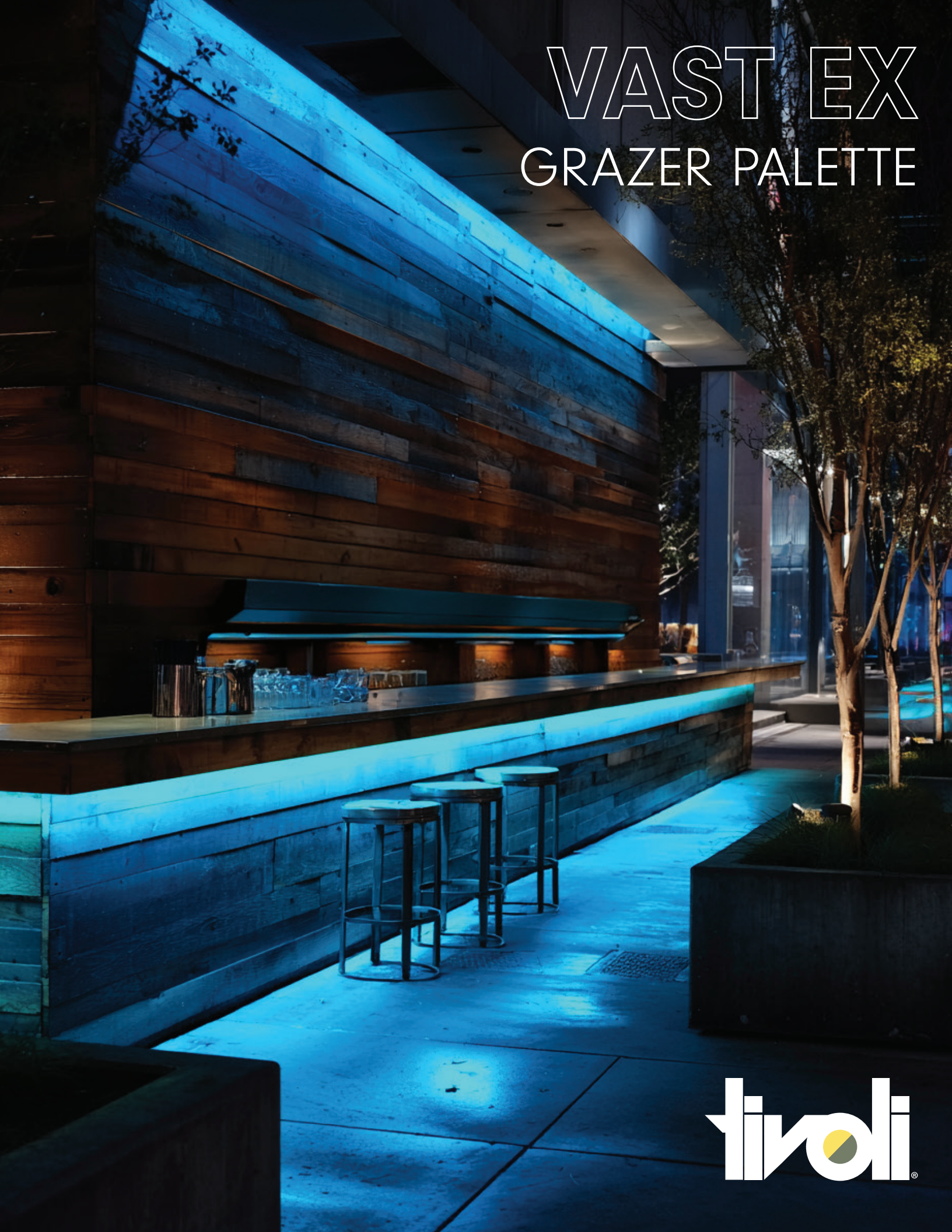
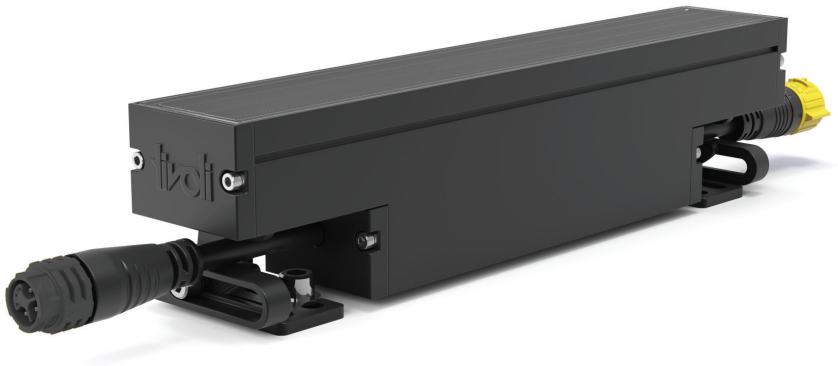


VAST EX

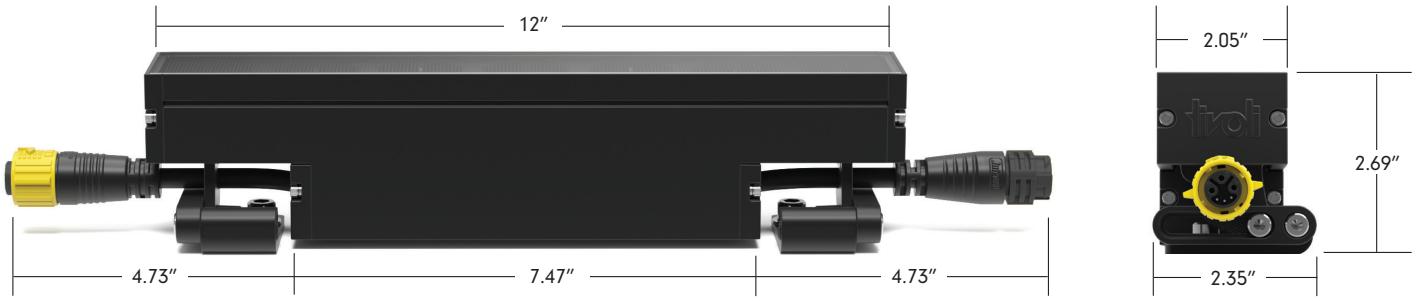
GRAZER PALETTE

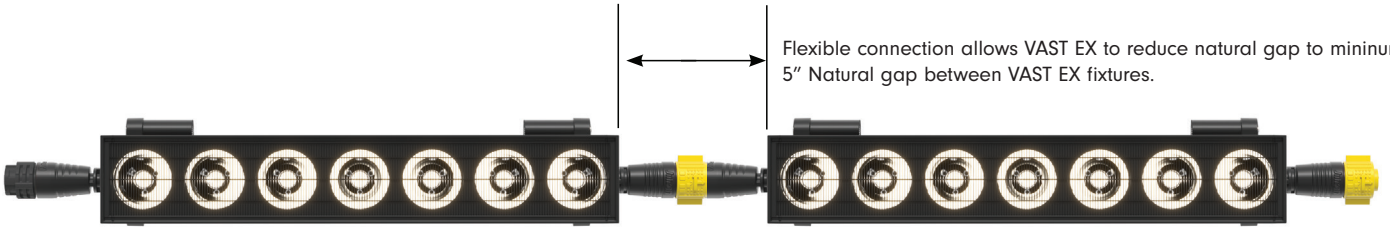


Project: _____ TYPE: _____

- Industry-first multi-point articulated bracket offering precise up to 230 degree beam direction control for dynamic lighting layouts
- Self Ballasted 120V AC - 277V AC
- Max Run up to 113' @ 277V
- Flexible connectors accommodate curves
- Adjustable mounting bracket for desired angle
- Marine grade for Dry/Damp/Wet location
- IP67 Rating

Dimensions





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Ordering Guide

PRODUCT CODE	BEAM ANGLE	LED TYPE	HOUSING COLOR	LED COLOR	LOUVER	CONTROL TYPE	LENGTH
VASTGZEX		**HO**					
VASTGZEX = VAST Graze Exterior	**2020** = 20x20 **1560** = 15x60 **3555** = 35x55	**HO** = High Output	**SLV** = Silver **BLK** = Black	**RGB27** = RGB+2700K **RGB30** = RGB+3000K **RGB35** = RGB+3500K **RGB40** = RGB+4000K	**01** = No Louver **02** = Louver	**01** = DMX/RDM **02** = Auto Address/DMX	**1** = 1' **4** = 4'

Specification

20x20

Standard					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	97.6	280	43.1	1111	968
Efficacy	37	106	16	94	80
CRI	NA	NA	NA	75.9	NA
R9	NA	NA	NA	19.4	NA

Internal Louver					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	57.2	167	23.2	1111	578
Efficacy	22	63	9	94	47
CRI	NA	NA	NA	75.9	NA
R9	NA	NA	NA	21.4	NA

Symmetrical Baffle					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	69	205	29.8	819	715
Efficacy	26	77	11	69	59
CRI	NA	NA	NA	75.7	NA
R9	NA	NA	NA	20.6	NA

Asymmetrical Baffle					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	80.2	247	37.5	978	855
Efficacy	30	93	14	83	71
CRI	NA	NA	NA	75.9	NA
R9	NA	NA	NA	19.6	NA

15x60

Standard					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	84.8	236	35.3	921	818
Efficacy	NA	NA	NA	76.7	64
CRI	NA	NA	NA	86.9	NA
R9	NA	NA	NA	20.5	NA

Internal Louver					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	46.2	134	19.5	526	470
Efficacy	NA	NA	NA	43.8	38
CRI	NA	NA	NA	86.5	NA
R9	NA	NA	NA	19.2	NA

Symmetrical Baffle					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	58.8	160	23.3	611	546
Efficacy	NA	NA	NA	50.9	43
CRI	NA	NA	NA	86.2	NA
R9	NA	NA	NA	17.4	NA

Asymmetrical Baffle					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	76.6	213	31	810	739
Efficacy	NA	NA	NA	67.5	59
CRI	NA	NA	NA	86.4	NA
R9	NA	NA	NA	18.9	NA

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Specification

35x55

Standard					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	80.5	237	35.2	927	818
Efficacy	NA	NA	NA	77.2	66
CRI	NA	NA	NA	87	NA
R9	NA	NA	NA	21.8	NA

Internal Louver					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	52.7	149	21.6	583	514
Efficacy	NA	NA	NA	48.5	41
CRI	NA	NA	NA	86.5	NA
R9	NA	NA	NA	19.2	NA

Symmetrical Baffle					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	55.4	161	23.4	614	542
Efficacy	NA	NA	NA	51.6	44
CRI	NA	NA	NA	86.4	NA
R9	NA	NA	NA	18.8	NA

Asymmetrical Baffle					
Kelvin Temperature	Red	Green	Blue	3000K	All On
Lumens (lm/ft)	68.5	199	28.6	768	681
Efficacy	NA	NA	NA	64	55
CRI	NA	NA	NA	86.6	NA
R9	NA	NA	NA	19.7	NA

Optics	
Beam Angle	20x20, 15x60, 35x55
Pixel Count	1 Pixel (1'), 4 Pixel (4')
Electrical	
Input Voltage	100-277V AC 50/60Hz
Power Consumption - 1'	12W/Unit
Power Consumption - 4'	48W/Unit
Maximum Run Length - 1'	120V/54 units, 277V/113 units
Maximum Run Length - 4'	120V/13 units, 277V/28 units
Control	DMX 512

Physical	
Operating Temperature	-40°F~122°F (-40°C~50°C)
Storage Temperature	-40°F~167°F (-40°C~75°C)
1' Weight	3.66 lbs
4' Weight	8.91 lbs
Certification and Testing	
Certification	cETLus, RoHS, 3G Vibration Rated
Rated Life	90000 hrs. @ 25°C
IP Rating	IP67
Environment	Wet Location
Warranty	5 years

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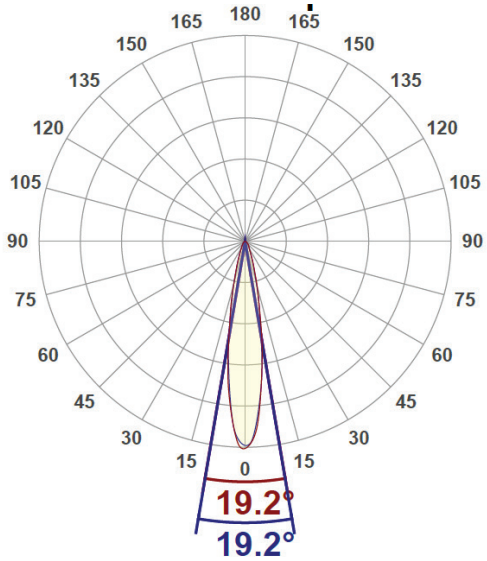
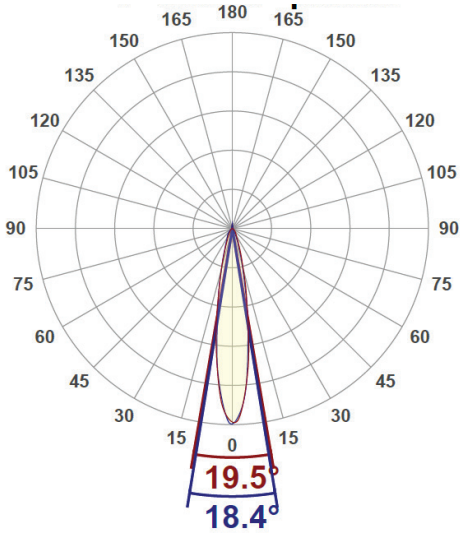
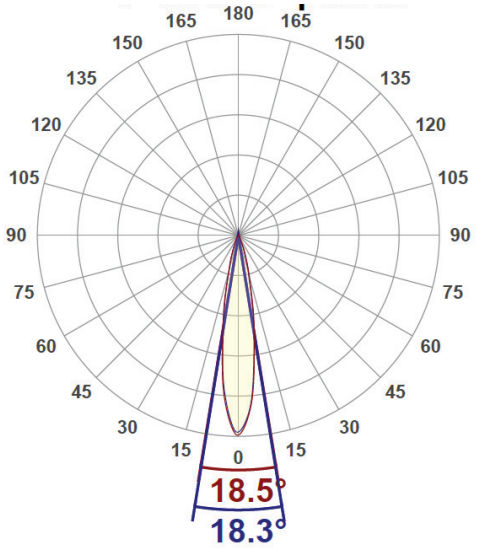
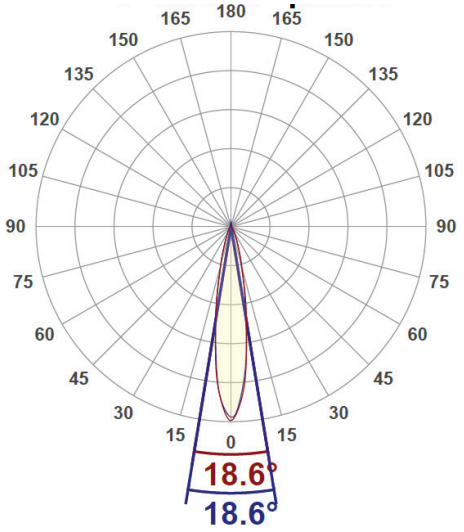
Photometrics (Based on 20x20 3000K)

Plane C0-180
PlaneC90-270

	Standard	Internal Louver
Angular Distribution 0° & 90° Planes		

	Symmetrical Baffle (Standard)	Asymmetrical Baffle (Standard)
Angular Distribution 0° & 90° Planes		

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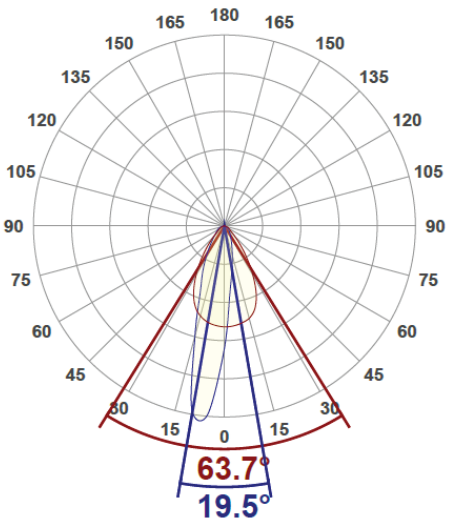
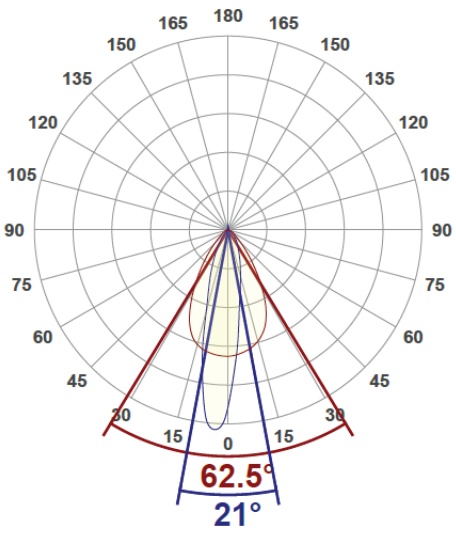
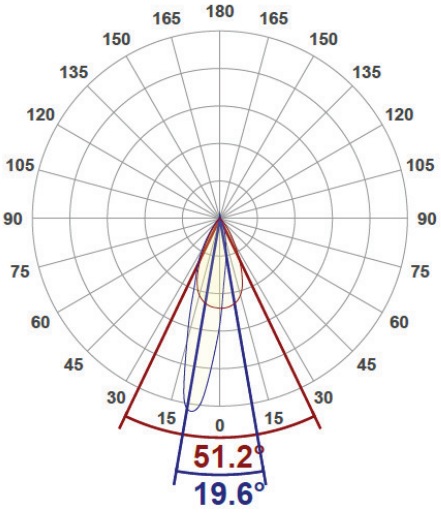
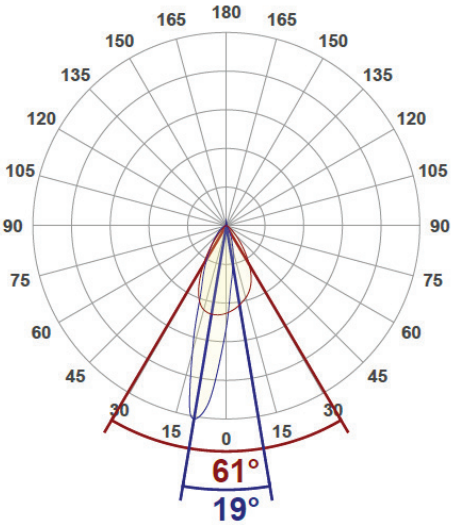
Photometrics (Based on 15x60 3000K)

Plane C0-180
PlaneC90-270

	Standard	Internal Louver
Angular Distribution 0° & 90° Planes		

	Symmetrical Baffle (Standard)	Asymmetrical Baffle (Standard)
Angular Distribution 0° & 90° Planes		

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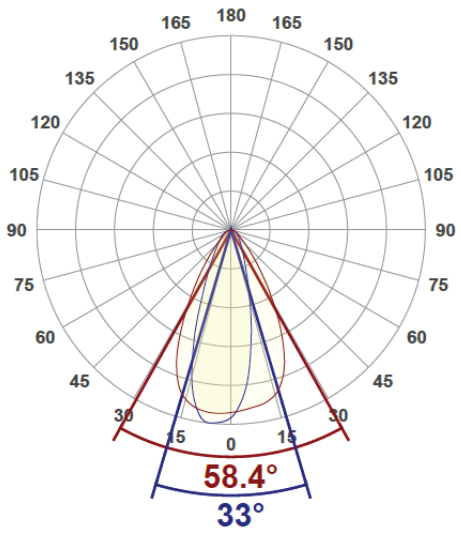
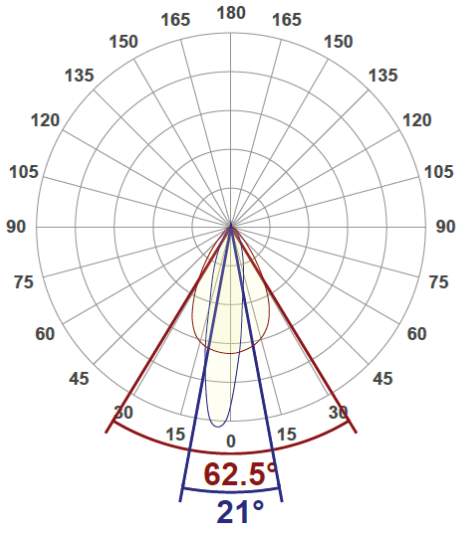
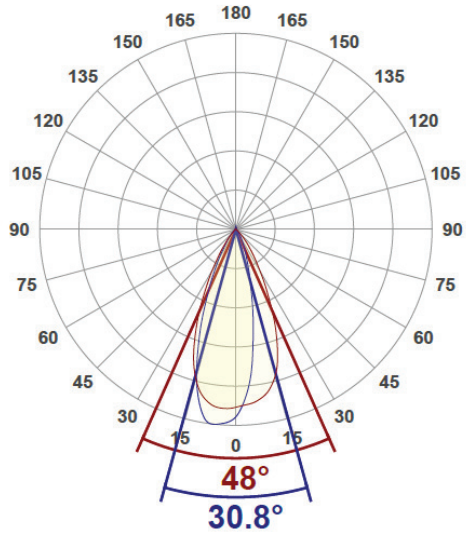
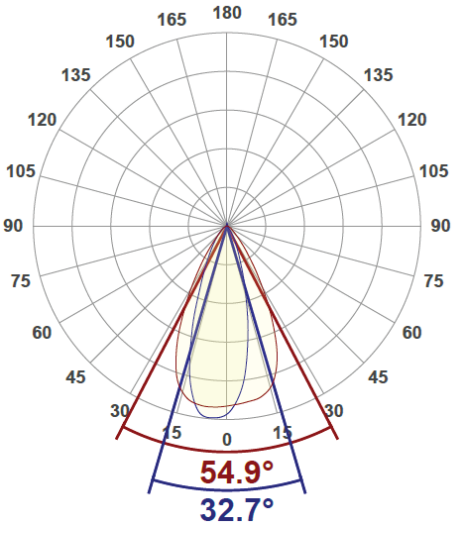
Photometrics (Based on 35x55 3000K)

Plane C0-180
PlaneC90-270

	Standard	Internal Louver
Angular Distribution 0° & 90° Planes		

	Symmetrical Baffle (Standard)	Asymmetrical Baffle (Standard)
Angular Distribution 0° & 90° Planes		

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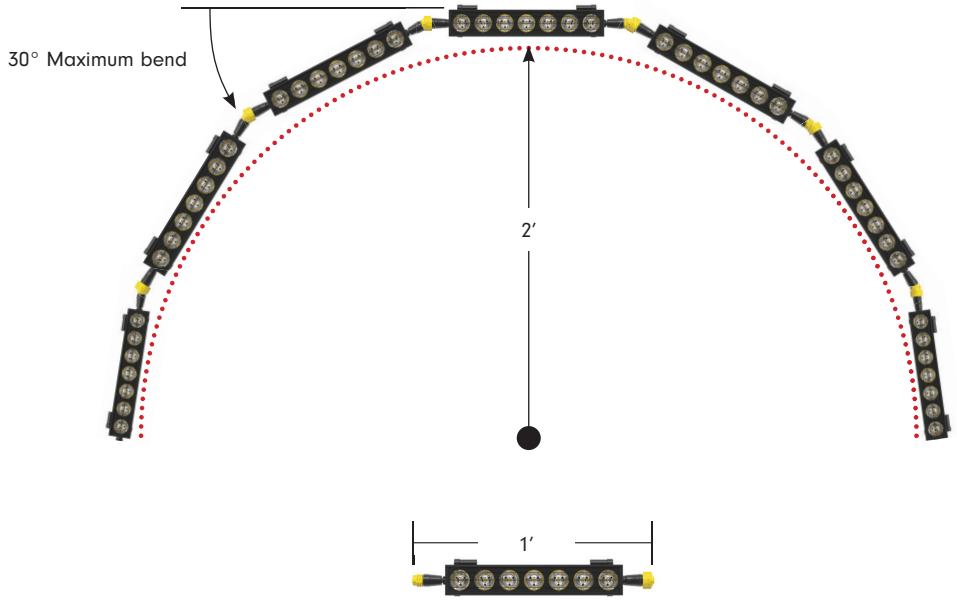
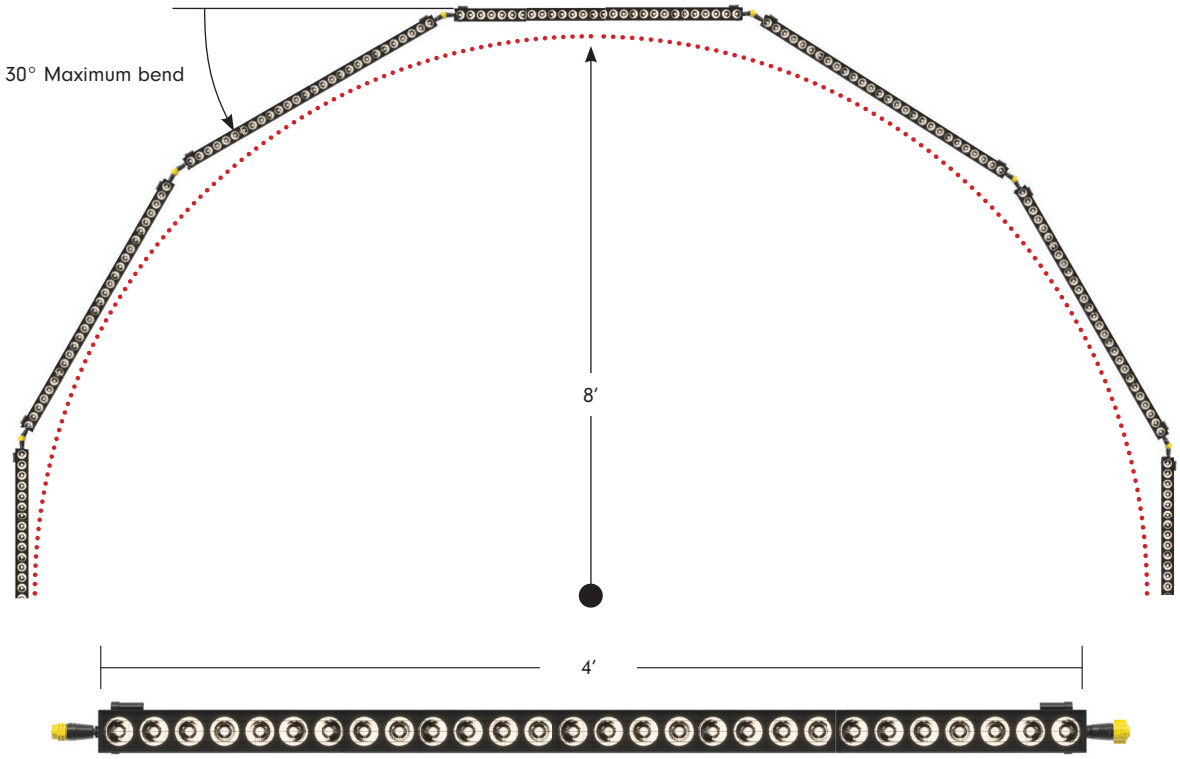
Radius Bend





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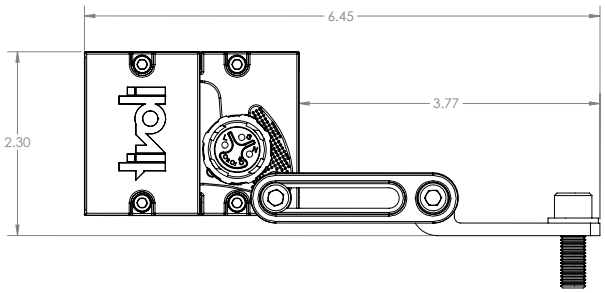
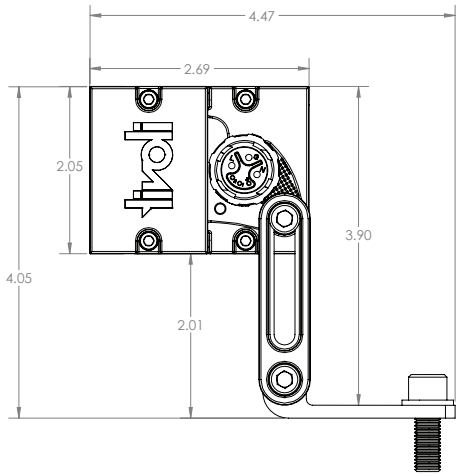
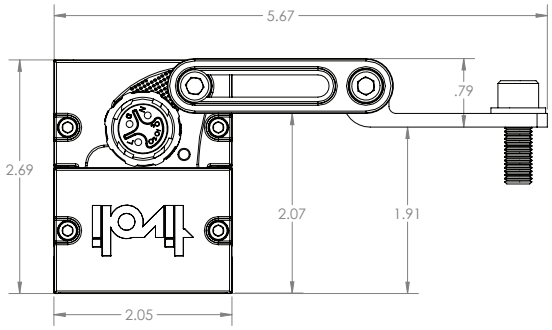
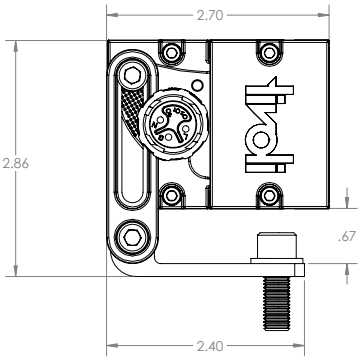
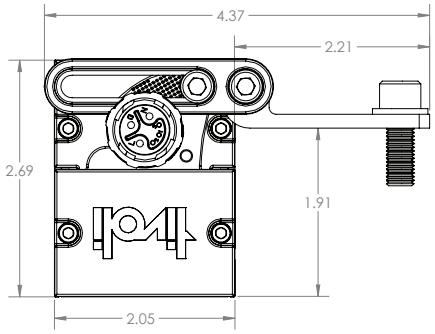
Positions

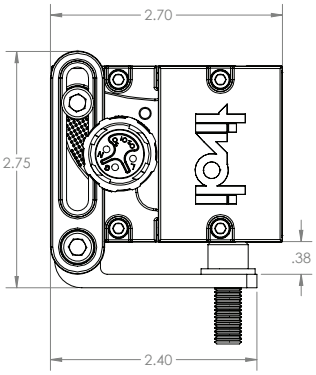












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Accessories

VASTGZEX-Y-SIG
Exterior Y Connector Lead & Signal Cable

VASTGZEX-S-SIG-XX
XX= 06 (6'), **10** (10'), **25** (25'), **50** (50') Vast Grazer Exterior Straight Lead & Signal Cable 0-10V/DMX

VASTGZEX-JUMPER-XX
XX= **01** (1'), **06** (6'), **10** (10'), **25** (25'), **50** (50')
Jumper, 5-Pin Connection

VASTGZEX-T-CONN-PWR
T Connector with Power Cable and Signal Pass Cable

VASTGZEX-BAFL-XXX-1-X
XXX= **BLK** (black), **SLV** (silver)
X = **1** (1'), **4** (4')
Asymmetrical baffle
Sold each

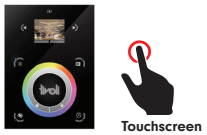
VASTGZEX-BAFL-XXX-2-1
XXX= **BLK** (black), **SLV** (silver)
Symmetrical baffle 1' length
Sold each

VASTGZEX-PWRARM-BLK-01
Power Arm Extension Bracket
Includdes Power Lead
Sold each

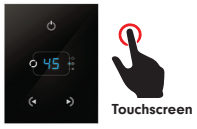
VASTGZEX-TERM-EC
End Cap DMX Terminator

Controls

ARTNET-S-8-512
8 port universe Artnet to DMX interface, 4096 DMX channels
Programmable for playback and live support



TVOQ-10-XX-7
XX = **BK** (Black), **WH** (White)
1024 DMX channel, 500 scene, 10 zone, glass touch screen



TVOQ-2-BK
512 DMX channel, 99 scene, 1 zone, glass touch screen

TVOQ-1-WH
16 DMX channel, 16 scene, 4 zone, glass touch screen

MDRX-AURA-XX
X = **02, 08, 32** (ports)
MADRIX Luna 2, 8, 32 port universe Artnet to DMX interface.
Programmable for playback and live support

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Network Hardware

MDRX-LUNA-XX
X = **04, 08, 16** (ports)
MADRIX Luna 4, 8, 16 port universe Artnet to DMX interface 16 port 8192, 8 port 4096, 4 port 2048 DMX channels

ARTNET-L-X-512
X = **8, 16** (ports)
8 or 16 port universe Artnet to DMX interface, 16 port 8192 DMX channels 8 port 4096 DMX channels

NTG-SWI-XPT
X = **8** (8 port), **16** (16 port)
NETGEAR 8 or 16 Port gigabit gthernet Unmanaged Switch

DMX3-CAT5-ADPTR
DMX adapter
3-pin XLR female to RJ45

MADRIX5 Key & Software Levels

MADRIX KEY
A USB dongle unlocks the software's full output. You can freely switch between different PCs as it is not bound to a specific one. It only needs to be activated online once.

MADRIX 5 LICENSE UPGRADES
You can easily upgrade your MADRIX 5 KEY to any higher license at any time, increasing the available output.

Level	START	ENTRY	BASIC	PROFESSIONAL	ULTIMATE	MAXIMUM
MADRIX 5 Order Code	MDRX-LC-5S	MDRX-LC-5E	MDRX-LC-5B	MDRX-LC-5P	MDRX-LC-5U	MDRX-LC-5M
DMX-Based Output						
DMX Channels	1,024	4,096	16,384	65,536	262,144	1,048,576
DMX Universe Example	2	8	32	128	512	2,048
RGB Voxels Example	341	1,365	5,461	21,845	87,381	349,525
DVI-Based Output						
DVI Voxels	4,096	16,384	262,144	1,048,576	2,097,152	2,097,152
Render Resolution (Pixel x Pixel)	64 x 64	128 x 128	512 x 512	1,024 x 1,024	2,048 x 1,024	2,048 x 1,024

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Tivoli Commissioning Service

Tivoli's DMX Commissioning service involves the setup and configuration of our DMX lighting and control system, ensuring the seamless integration of our lighting fixtures with the specified DMX Control system ordered.

For more information about commission service, contact:
sales@tivoliusa.com
714-957-6101 (Engineering Tech Support)

Tivocue Wall Controllers (Default Scenes: White, Red,Green, Blue, Light Blue, Purple, Pink, Dim White, Yellow, Cool Cycle, Warm Cycle, All Cycle, Rainbow Scroll, Blackout)	
TVOQ-REM-COMM-1	Remote DMX commissioning for TIVOCUE 2 and 10 dmx wall controller. Pixel mapping/control is not offered for remote commissioning
TVOQ-ONS-COMM-1	Onsite DMX comissioning for TIVOCUE 2 and 10 dmx wall controller (est. 2 days)
ARTNET-S-8-512 (Default Scenes: White, Red,Green, Blue, Light Blue, Purple, Pink, Dim White, Yellow, Cool Cycle, Warm Cycle, All Cycle, Rainbow Scroll, Blackout)	
ARTNET-S-REM-COMM-8	Remote DMX commissioning for artnets recorder up to 8 universes. Pixel mapping/control is not offered for remote commissioning
ARTNET-S-ONS-COMM-8	Onsite DMX commissioning for artnets recorder up to 8 universes (est. 3 days)
MADRIX DMX SYSTEM	
DMX-COMM-2U-MDRX	Onsite commissioning for madrix, up to 2 universes (est. 3 days)
DMX-COMM-8U-MDRX	Onsite commissioning for madrix, up to 8 universes (est. 3 days)
DMX-COMM-16U-MDRX	Onsite commissioning for madrix, up to 16 universes (est. 4 days)
DMX-COMM-24U-MDRX	Onsite commissioning for madrix, up to 24 universes (est. 4 days)
DMX-COMM-32U-MDRX	Onsite commissioning for madrix, up to 32 universes (est. 5 days)
32+ UNIVERSE	Contact factory

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