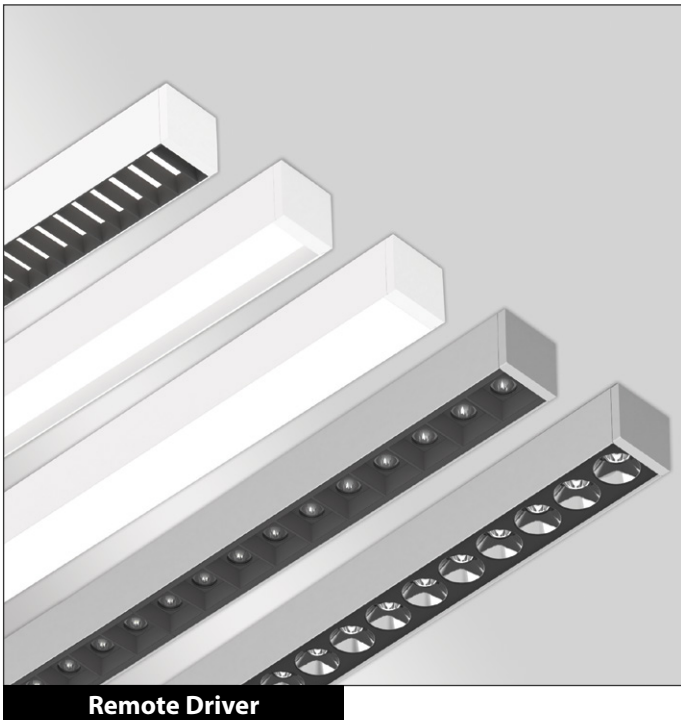


LUMAERA MidiSQ Surface



36mm Well-Proportioned Linear LED Surface Mount



Features & Benefits

Exceptional Performance

Up to 3,280 lm/m, 150 lm/W efficacy

Wide Range of LED Selections

Static, Tunable White, and Dim-to-Warm

Designed with Options

Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

Multiple Beamshapes

Clever beam shaping technology creates a range of options

Proprietary Optical Components

Provides excellent light distribution and high-transmission

Compliance

UKCA, CE, UL, Suitable for Dry and Damp Locations

5-Year Warranty

Standard 5-year warranty, 50,000 hours lifetime

FIXTURE ORDERING

Project Name

Fixture Type

1) FIXTURE TYPE & MOUNTING DESIGN

PRODUCT	LENGTH		FINISH		END CAP	OPTIC (Direct Only)		
MDSQ36-S								
36mm Well-Proportioned Linear LED Surface Mount	610mm	610mm	MWH	Matte White (RAL9003)	E1	Flat End Cap	FL	Flush Lens
	1220mm	1220mm	MBK	Matte Black (RAL9005)			RL	Regressed Lens
	1830mm	1830mm	MGR	Matte Gray (RAL7001)			CRL	Continuous Regressed Lens ¹
	2440mm	2440mm	CAE	Clear Anodized Effect			BWH	Baffle, White
	3048mm	3048mm	RAL_	Specify RAL#			BBK	Baffle, Black
							SCOWH	Square Cavity Optics, White
							SCOBK	Square Cavity Optics, Black
							RCOWH	Round Cavity Optics, White
							RCOBK	Round Cavity Optics, Black

2) LED LIGHT ENGINE

CRI		CCT		DIRECT BEAM PATTERN		DIRECT OUTPUT	
S80	Std. 80 CRI	2200K	2200K	DLAM	Lambertian	1148	1148 lm/m
S90	Std. 90 CRI	2700K	2700K	DBW60	Batwing 60°	1640	1640 lm/m
HE80	High-Eff. 80 CRI	3000K	3000K	DDA70	Double Asymmetric 70°	2460	2,460 lm/m
HE90	High-Eff. 90 CRI	3500K	3500K	DA3010	Asymmetric 30°	3280	3,280 lm/m
HD95	High-Def. 95 CRI	4000K	4000K		at 10° Tilt		
SUN	Full SunLike	5000K	5000K	DA3015	Asymmetric 30°		
SBIOS	Static BIOS	3022D	3000K to 2200K		at 15° Tilt		
DBIOS	Dynamic BIOS		Dim-to-Warm	DM70	Medium 70°		
TBIOS	Tunable White BIOS	3527D	3500K to 2700K	DN40	Narrow 40°		
			Dim-to-Warm	DCO45	Cavity Optics 45°		
				DCO35	Cavity Optics 35°		
				DCO25	Cavity Optics 25°		

3) FIXTURE POWER OPTIONS

LINE VOLTAGE (DC)		EMERGENCY BACKUP		REMOTE DRIVER BOX ²	
UNV	120/277V	NN	Not Needed	NN	Not Needed
347	347V	EMC	Emergency Circuit	RLDB2³	Remote Linear Driver Box
		EMB	Emergency Battery (Remote)	RX2D2³	Optional Remote Xbox2 Driver, Up to 2 Drivers
				RX3D2³	Optional Remote Xbox3 Driver, Up to 3 Drivers
				RX5D2³	Optional Remote Xbox5 Driver, Up to 5 Drivers

4) FIXTURE TYPE & MOUNTING DESIGN

MOUNTING TYPE		POWER CORD		MOUNTING KIT	
DJ	Drywall/J-Box Mount	P6WH	0.6m White Cord (Ø 3mm)	SSMB	Stainless Steel Surface Mounting Bracket
T1	14mm Flat T-Bar Mount	P6BK	0.6m Black Cord (Ø 3mm)		
T2	14mm Bolt Slot T-Bar Mount				
T3	24mm Flat T-Bar Mount				

¹Continuous Regressed Lens ships on a roll for seamless lens installation.

²Remote distance is dependent on driver type, up to 30.5m.

³Creates a clean and organised power solution for multiple fixture installations.

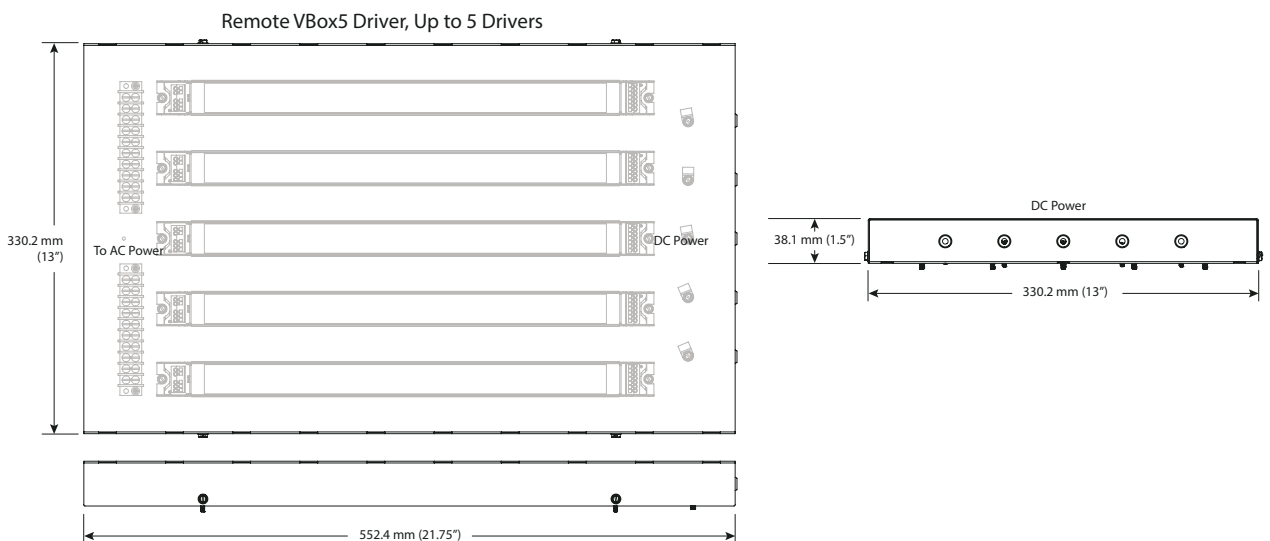
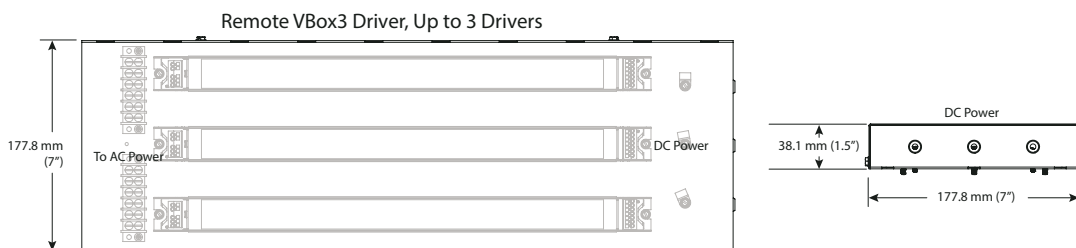
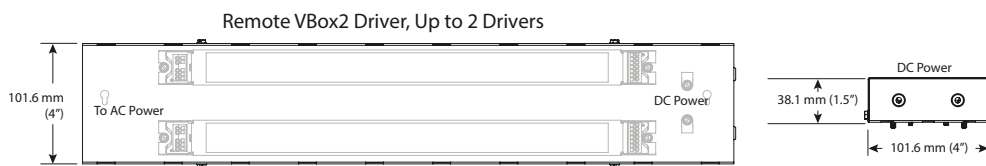
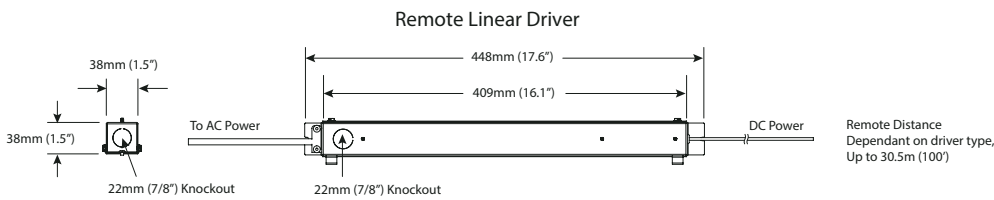
NOTES

Project Name

Fixture Type

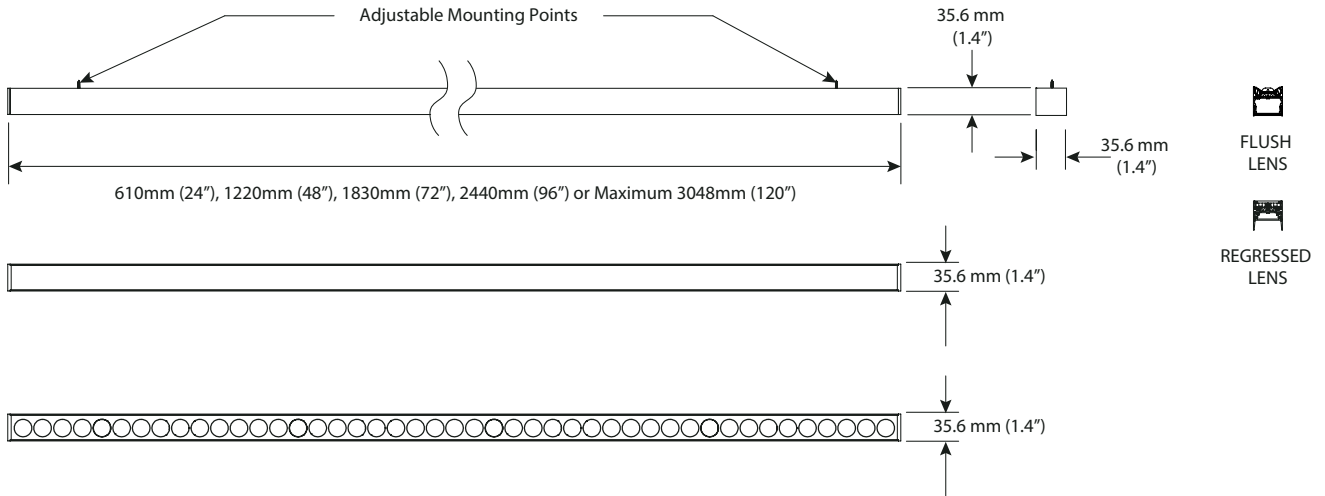
REMOTE DRIVER BOX

Dimensions



FIXTURE DESIGN

Dimensions



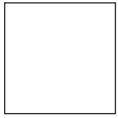
Length

Length Options

610mm, 1220mm, 1830mm, 2440mm, 3048mm nominal

Finish

Housing Colours (Matt Finish)



White (RAL9003)



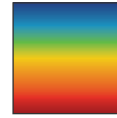
Black (RAL9005)



Gray (RAL7001)



Clear Anodised Effect



Custom RAL

Housing Material

6063-T5 extruded, recycled aluminum

Mounting Brackets

Sheet Metal

End Cap

End Cap Options

Flat

End Cap Material

Machined or Cast Aluminium

Optic

Lens Options

Flush, Regressed, Continuous Regressed, Cavity Optics, and Baffled

Lens Material

Acrylic (PMMA)

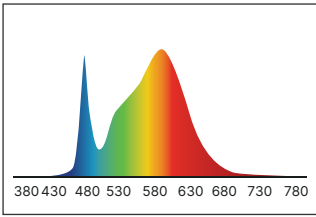
Voltage

Input Voltage (AC)

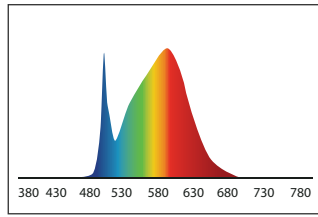
120/277 VAC and 347 VAC, 50/60Hz

LED SELECTION GUIDE

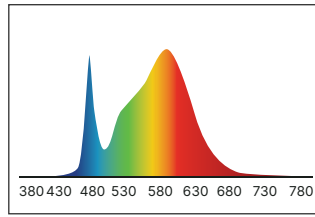
S80: Standard 80+ CRI



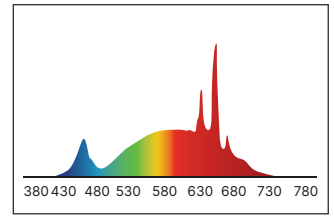
S90: Standard 90+ CRI



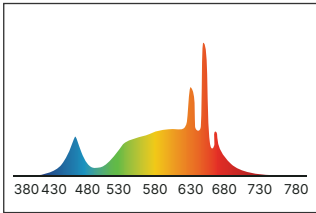
HE80: High-Efficiency 80+ CRI



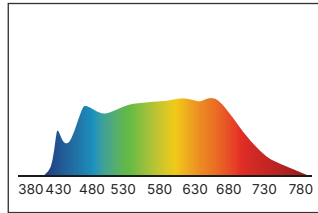
HE90: High-Efficiency 90+ CRI



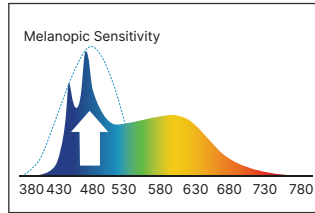
HD95: High-Definition 95+ CRI



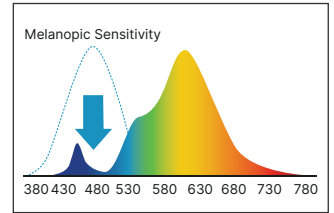
SUN: Full Spectrum "SunLike"



HCD: Human Centric Day



HCN: Human Centric Night



Static White Light (LED Light Engine Only)

CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
S80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
S90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
HE80	High Efficiency 80 CRI	3500K	82.1	5.9	83	94.2	81.2	0.52	210
HE90	High Efficiency 90 CRI	3500K	92.2	90	90.7	103.8	92.1	0.56	190
HD95	High Definition 95 CRI	3500K	97.1	95	-	-	-	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	-	-	-	-	130
HCD	Human Centric Day	4000K	83	95	-	-	-	0.92	155
HCN	Human Centric Night	2700K	80	-	-	-	-	0.44	134

Static White Light (LED Light Engine Only)

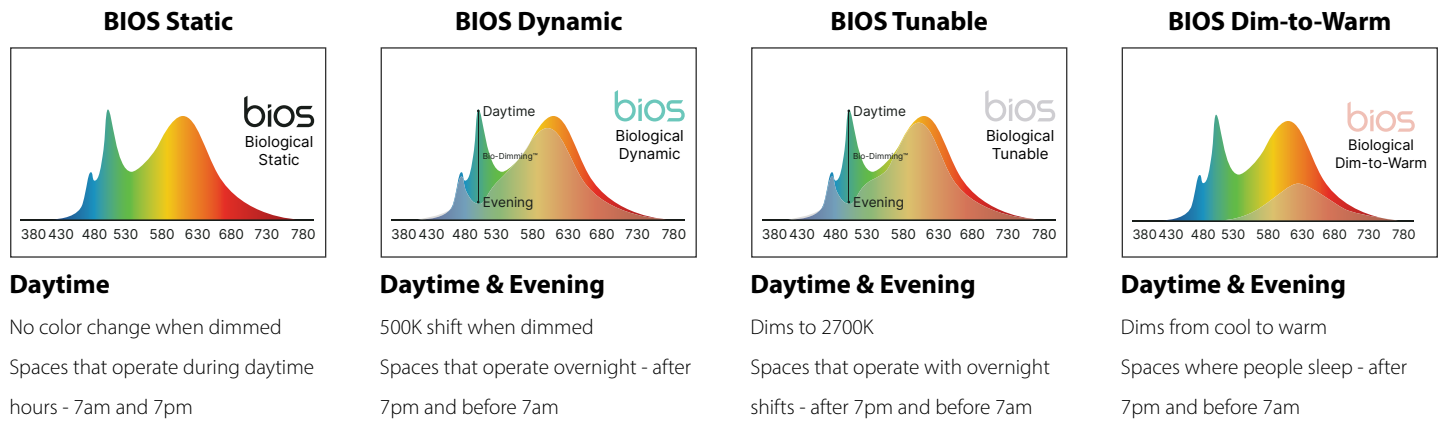
CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
S80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
S90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
HE80	-	0.96	0.99	1.00	1.03	1.04	1.03	1.03
HE90	-	0.91	0.96	1.00	1.04	1.11	N/A	N/A
HD95	-	0.91	0.96	1.00	1.04	1.11	1.03	1.04
SUN	-	0.90	0.92	1.00	1.01	1.07	1.04	1.05
HCD	-	N/A	0.96	1.00	1.04	1.04	1.04	1.04
HCN	-	0.87	0.96	1.00	1.04	N/A	N/A	N/A

BIOS TECHNOLOGY

Choosing Your BIOS Solution

BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology - Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm.

BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural color temperatures.



Circadian and Human Centric Light

CODE	DESCRIPTION	BIO-DIMMING MODULE TECHNOLOGY GUIDE					
		Driver	Driver voltage	CCT	Requires BIO-Dimming Module	Lighting Control	BIOS SkyBlue (490nm)
SBIOS	BIOS Static	DIM1	0-10V Dimming to 1% Dim-to-Dark	No CCT Change	No	Intensity Dimming Control Only	Always Present
DBIOS	BIOS Dynamic	BIODIM1	0-10V Intensity Dimming to 1% Dim-to-Dark	500K Shift	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DBIOS-2	BIOS Dynamic (2 ch)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
TBIOS	BIOS Tunable	ATW/ DTW	0-10V Control of Intensity & CCT on Separate 2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels	Dims to 2700K	Yes	Intensity Dimming & spectrum Change Controlled Together	Removed with BIO-Dimming
TBIOS-2	BIOS Tunable (2 ch)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
DWBIOS	BIOS Dim-to-Warm	-	-	Dims to 2200K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DWBIOS-2	BIOS Dim-to-Warm (2 ch)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"

SMARTBEAM® TECHNOLOGY

The Ultimate Control of Lighting Distributions

SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every Vexica indoor product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

FIXTURE POWER & CONTROLS

Input Voltage

LED Driver Factory Selected, 36-39V Constant Current

Emergency Backup

Backup Types Emergency Circuit, Emergency Battery (Remote), and other emergency backups are available

Wiring Typically the Emergency Backup is wired to 1220mm sections

Power 10W

Illumination Time 90 Minutes

Partners



Control Systems (Remote Drivers - Sold Separately)

Other Factory Non-Dimming, Factory 0-10V 1% Dim, Factory 0-10V 10% Dim, Factory DALI 0.1% Dim, Factory DMX Dim, Factory TRIAC Dim, eldoLED 0-10V 0.1% Dim, eldoLED 0-10V 1% Dim, eldoLED DALI 0.1% Dim, and other drivers are available, consult factory (not all integral)

Lutron Hi-Lume 1% Dimming and 5-Series 5% Dimming

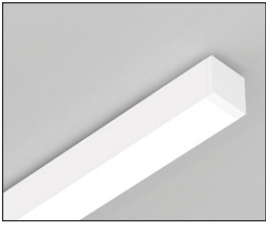
Cooper Compatible driver

Casambi (Wireless) Compatible driver

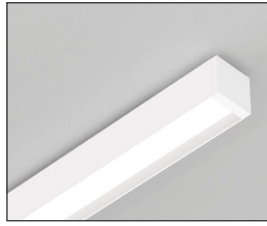
VBOX

Remote Driver Boxes (Optional) To create a clean and organized power solution for multiple fixture installations we have our VBox solution. Reach out to your Vexica Sales Representative for more information.

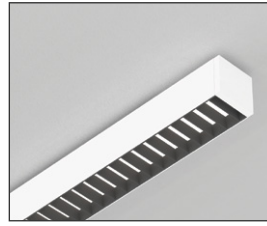
OPTICS OPTIONS



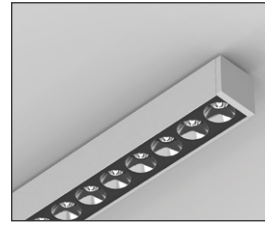
Flush Lens



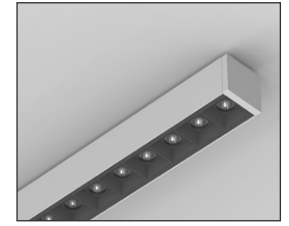
Regressed Lens



Baffles (Black or White)



**Round Cavity Optics
(Black or White)**



**Square Cavity Optics
(Black or White)**

FIXTURE MOUNTING & CONNECTIONS

Mounting Type

T-Bar Mount

Installs in to a ceiling grid system, mounting onto or replacing, typical 'T-Bar' elements. Available with a range of accessories, mounts and inserts that provide customisation of visual appearance and performance enhancements.

Drywall/J-Box Mount

Installs on to a surface via a junction box. Available with a range of accessories, mounts and inserts that provide customisation of visual appearance and performance enhancements.

Mounting Kit

Surface Mounting Bracket

Stainless Steel

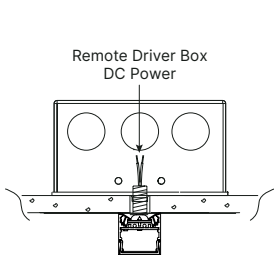
Power Cord

Cable Kit

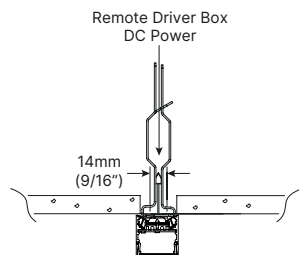
600mm, White or Black

Mounting Options

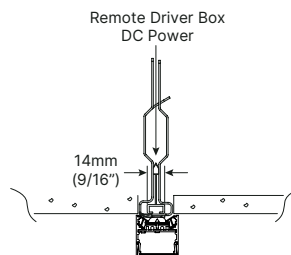
DJ - Drywall/J-Box Mount



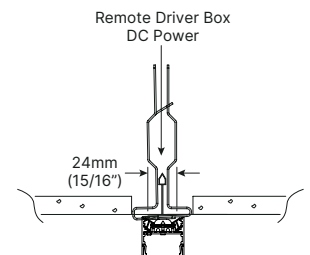
T1 - 14mm Flat T-Bar Mount



T2 - 14mm Bolt Slot T-Bar Mount



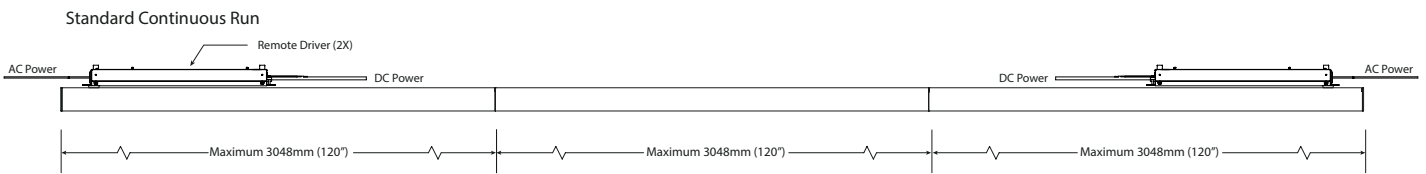
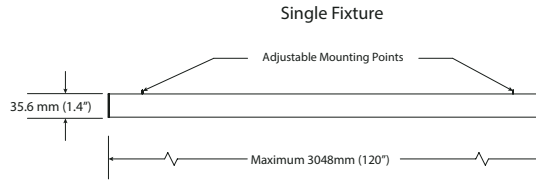
T3 - 24mm Flat T-Bar Mount



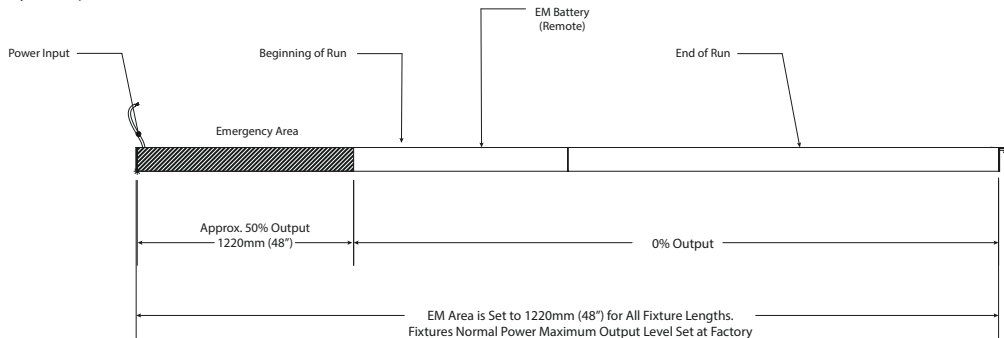
Standard Lengths & Continuous Runs

Maximum length of one fixture is 3048mm. Longer runs can be produced by joining sections. Customer approval of shop drawings is required prior to build of any non-standard length order.

Lens can be supplied in a maximum 76m roll length with continuous FlatLENS optics to be installed on-site for a seamless light surface.



Emergency Battery Backup



Battery Power: 10 W
Illumination Time: 90 minutes
Light Output approx 984 lm/m or 1200-1300 Total Lumens*
Recharge Time: 24 Hours

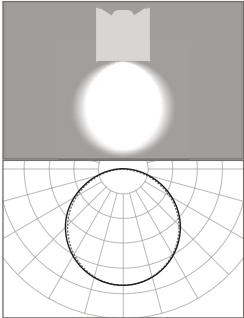
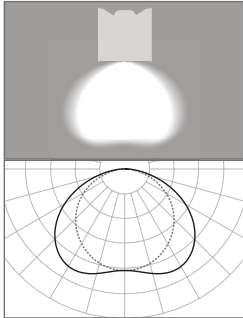
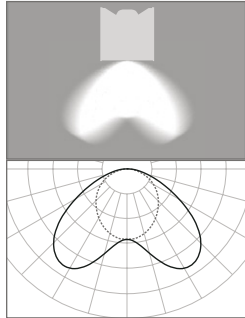
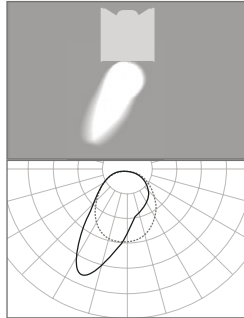
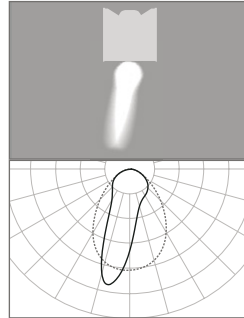
*Light output may vary based on fixture output level ordered.

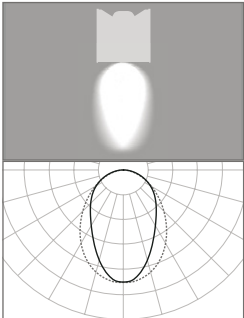
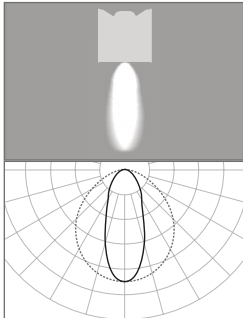
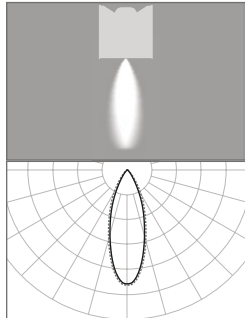
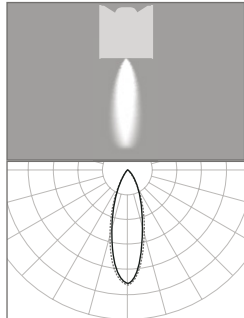
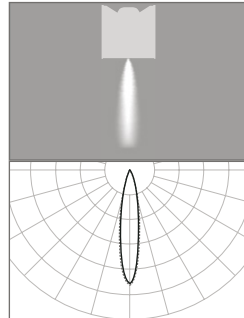
BEAM PATTERN SELECTION GUIDE

Beam Pattern Availability

OPTIC	BEAM PATTERN									
	DLAM	DBW60	DDA70	DA3015	DA3010	DM70	DN40	DCO45	DCO35	DCO25
Flush/Regressed Lens	*	*	*	*	*	*	*			
Baffle	*	*	*	*	*	*	*			
Cavity Optics (Square or Round)								*	*	*

Direct Photometrics Static White Light

<p>DLAM</p> <p>Lambertian</p> 	<p>DBW60</p> <p>Butwing 60°</p> 	<p>DDA70</p> <p>Double Asymmetric 70°</p> 	<p>DA3015</p> <p>Asymmetric 30° at 15° Tilt</p> 	<p>DA3010</p> <p>Asymmetric 30° at 10° Tilt</p> 
Length 1220mm	Length 1220mm	Length 1220mm	Length 1220mm	Length 1220mm
LED HE80	LED HE80	LED HE80	LED HE80	LED HE80
CRI/CCT 80+/3500K	CRI/CCT 80+/3500K	CRI/CCT 80+/3500K	CRI/CCT 80+/3500K	CRI/CCT 80+/3500K
Lumens 3,000	Lumens 3,000	Lumens 3,000	Lumens 3,000	Lumens 3,000
lm/m 2,450	lm/m 2,470	lm/m 2,560	lm/m 2,515	lm/m 2,495
Watts 36	Watts 21	Watts 25	Watts 23	Watts 23
W/m 29.5	W/m 17.5	W/m 20.8	W/m 19.2	W/m 19.2
LPW 83	LPW 141	LPW 123	LPW 131	LPW 130

<p>DM70</p> <p>Medium 70°</p> 	<p>DN40</p> <p>Narrow 40°</p> 	<p>DCO45</p> <p>Cavity Optic 45°</p> 	<p>DCO35</p> <p>Cavity Optic 35°</p> 	<p>DCO25</p> <p>Cavity Optic 25°</p> 
Length 1220mm	Length 1220mm	Length 1220mm	Length 1220mm	Length 1220mm
LED HE80	LED HE80	LED HE80	LED HE80	LED HE80
CRI/CCT 80+/3500K	CRI/CCT 80+/3500K	CRI/CCT 80+/3500K	CRI/CCT 80+/3500K	CRI/CCT 80+/3500K
Lumens 3,000	Lumens 3,000	Lumens 3,000	Lumens 3,000	Lumens 3,000
lm/m 2,490	lm/m 2,520	lm/m 2,525	lm/m 2,525	lm/m 2,525
Watts 20	Watts 20	Watts 37	Watts 37	Watts 37
W/m 16.7	W/m 16.7	W/m 30.8	W/m 30.8	W/m 30.8
LPW 149	LPW 151	LPW 82	LPW 82	LPW 82

STANDARDS & CERTIFICATIONS

Compliance

Standard Marks



Environmental Suitability

IP Rating

Suitable for Dry and Damp Locations, indoor use only

Sustainability

Responsibly manufactured from materials that are free from 'Red List' chemicals

Recyclable

Optics and all powder coated and anodized parts are fully recyclable at end of life

Reliability

Manufacturing

All Vexica products are manufactured in our UK-based factory using ethically sourced components from internationally recognised 'tier 1' suppliers

Quality Assurance

Each product is designed and manufactured for reliability and each batch undergoes through quality assurance testing

Warranty & Terms

5 Year Warranty



Terms & Conditions



For details on our warranty and business terms, please click or scan the QR Code.