

MINI PIVOT LINEAR

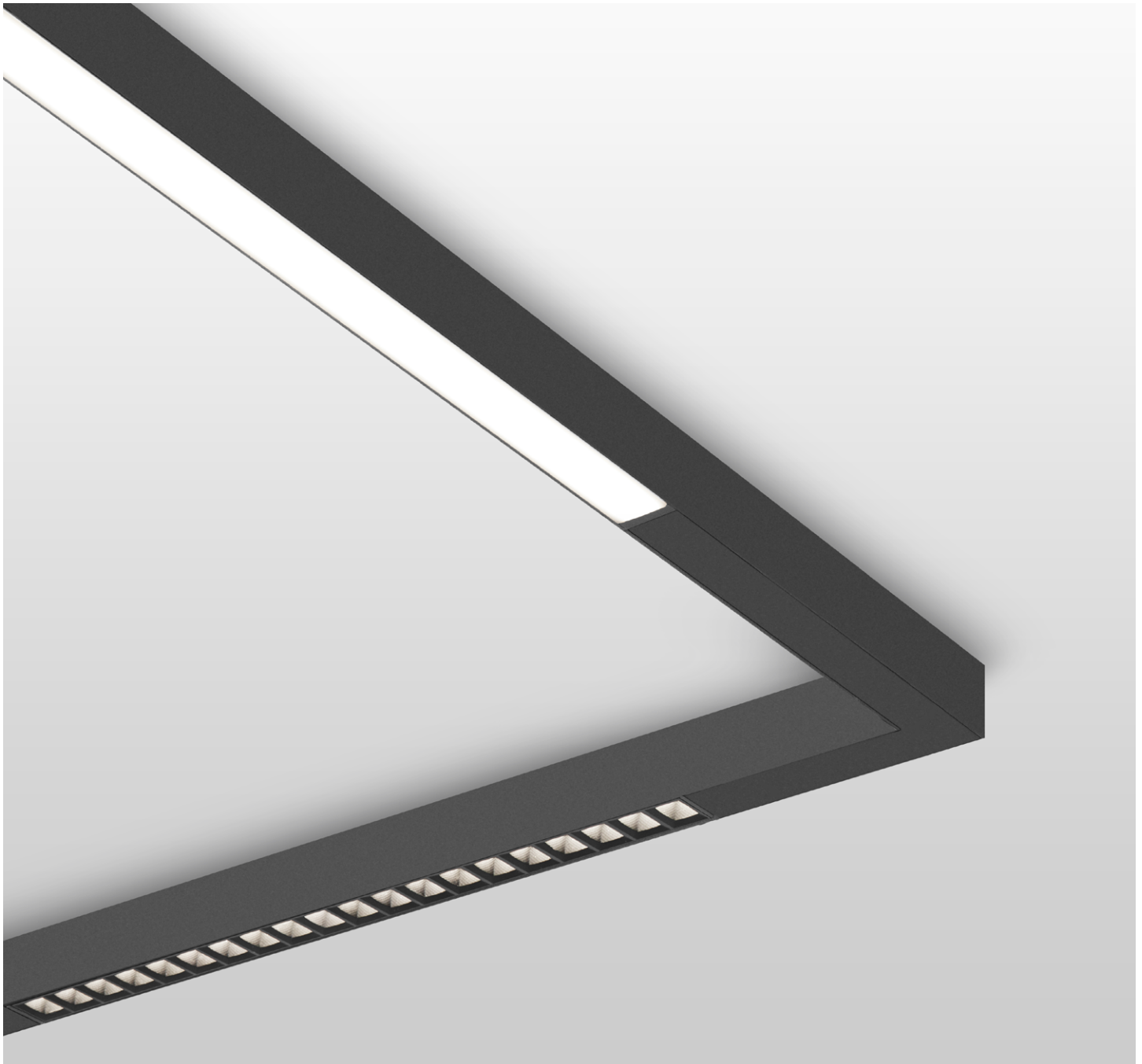
SURFACE PATTERN

DIRECT



DESCRIPTION

With the same crisp and clean aesthetic as its Mini Pivot Track counterpart, Mini Pivot Linear fixtures are track-free lighting units that can be used in conjunction with Mini Pivot Track modules in comprehensive lighting designs, or they can serve as lighting solutions on their own for applications requiring uniform and consistent lighting effects throughout a space. Recessed, surface, or pendant mounted, Mini Pivot Linear delivers direct light distribution with HLO or DPO lensing options.



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Project: _____

Type: _____

Order Guide

Example: MIPIVLINSPAT-D-HLO-2FT-BLA-1FT-SW-80CRI-300LMF-27K-3FT-1LEVC90-120V-RD1-1C-NA-DRC-FTMB

A drawing of your combination pattern is required - anything from a line drawing to an architectural drawing. You can also use the grid on page 3 to sketch your layout.

LUMINAIRE ID	DISTRIBUTION	OPTICS ¹ Specify the total length for each required optic.			LIGHT SOURCE	CRI
MIPIVLINSPAT	D					
MIPIVLINSPAT - Mini Pivot Linear Surface Pattern	D - Direct	BDPO ² - Matte Black Diamond Prism Optic	FT	IN	SW - Static white	80CRI ⁴ - 80+ CRI
		GDPO ² - Graphite Diamond Prism Optic	FT	IN	FS - Full spectrum static white	90CRI ⁴ - 90+ CRI
		HLO ³ - High-Efficiency Lambertian Optic	FT	IN		95CRI ⁵ - 95+ CRI
		BLA - Blank	FT	IN		
		¹ Specify Prism optics in 6.7" increments for 10 cell louvers, HLO in 4" increments, Blank in 1" increments. ² Minimum optic length is 20.1". ³ Minimum optic length is 23.6".				

LUMEN PACKAGE				COLOR TEMP.	TOTAL LUMINAIRE LENGTH	CORNER TYPE ^{8,9}	VOLTAGE
	Low	Medium	High	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	#FT#IN ⁷ - Specify the total nominal length (#) in 1' and/or 1" increments Standard nominal lengths: Single units - 2' to 12' Continuous runs: lengths over 12' ⁷ Total luminaire length should equal the sum of all the direct optic lengths.	#LEVC90 ¹⁰ - Leveled 90° corner in ceiling #INN90 - Inside 90° corner ⁸ Specify number of corners (#) for each required corner type. ⁹ Corners are unlit. ¹⁰ Consult factory for other degree angles.	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹¹ - 347V ¹¹ Available with RD1 driver only.
BDPO	640LMF	940LMF ⁶	x				
GDPO	640LMF	940LMF	1280LMF ⁶				
HLO	300LMF	450LMF	600LMF				
⁶ Not available with full spectrum.							

DRIVER ¹²	ELECTRICAL	ELECTRICAL SECTIONS (optional) ^{15,16}	MOUNTING	FINISH ²⁰
REMOTE RD1 - 1% 0-10V RDA ¹³ - DALI RLDE1 ¹³ - Lutron Hi-lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELDO - eldoLED 0.1% SOLOdrive 0-10V ¹² PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹³ On-site commissioning is required.	1C - 1 circuit #MC ¹⁴ - Multi circuit EC - Emergency-powered fixture ¹⁴ Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit.	#EC## ¹⁷ - Emergency-powered section #EMB ^{18,19} - Emergency battery NA - None ¹⁵ Specify with multi circuit (#MC) electrical option only. ¹⁶ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ¹⁷ Specify quantity (#), and section length in inches (##). ¹⁸ Not available with 347V. ¹⁹ Specify quantity (#). All batteries will be remote. Each battery powers a 4' section of a single optic.	DRC - Drywall ceiling TG9 - Tegular 9/16" TG15 - Tegular 15/16" TB9 - T-bar 9/16" TB15 - T-bar 15/16"	FTMB - Matte black FTMW - Matte white CF# - Custom finish, specify RAL# ²⁰ Blank finish will match fixture finish.

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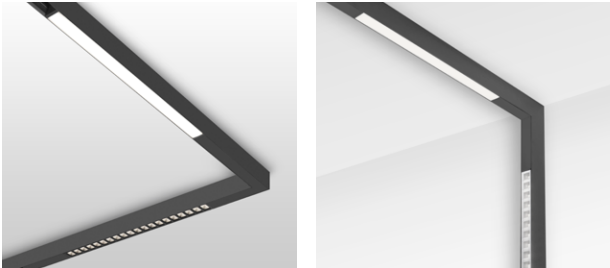
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Mini Pivot Linear Pattern Layout

Use the grid below to sketch and label the layout of your combination pattern.

Make sure to follow the guidelines specified in the order code:

- Prism optics in 6.7" increments;
HLO in 4" increments.
Blank in 1" increments.
- Single units - 2' to 12'
- Maximum length for a section is 12'.
- Corners are unlit.



LEV90 - Leveled 90° corner in ceiling INN90 - Inside 90° corner

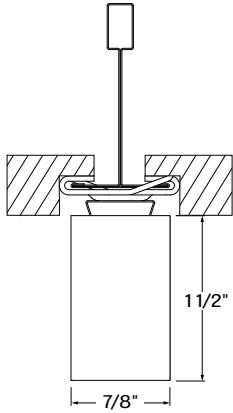


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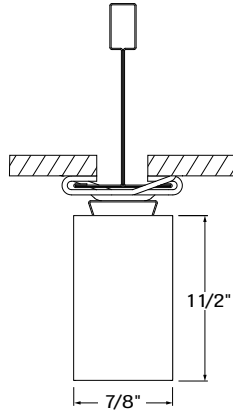
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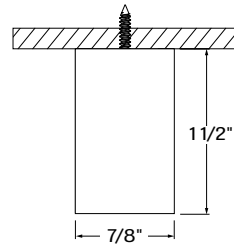
Dimensions



TG9/TG15 - Tegalur



TB9/TB15 - T-bar



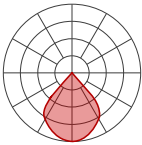
DRC - Drywall ceiling

Photometrics

BDPO/GDPO values calculated based on four 6.7' sections at 3500K and 90+ CRI.

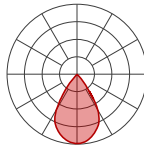
HLO values calculated based on a 4' fixture at 3500K and 80+ CRI.

BDPO



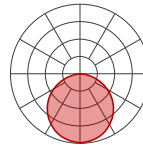
LM/FT	W/FT	LM/W
640	11.5	56
940	18.3	51

GDPO



LM/FT	W/FT	LM/W
640	8.3	77
940	11.9	79
1280	18.1	71

HLO



LM/FT	W/FT	LM/W
300	3.8	79
450	5.7	78
600	7.8	77

MULTIPLIER TABLES - CCT/CRI

Use these tables to get results for different color temperatures and CRI for all photometric tables.

BDPO/GDPO

CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	0.93	1.06	1.08	0.94
3000K	0.89	1.03	1.12	0.98
3500K	0.89	1.00	1.12	1.00
4000K	0.88	0.98	1.13	1.02

HLO

CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.04	1.23	0.96	0.81
3000K	1.01	1.20	0.99	0.83
3500K	1.00	1.18	1.00	0.85
4000K	0.97	1.14	1.03	0.87

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Technical Specifications

OPTICS

Diamond Prism Optic (DPO)

The Diamond Prism Optic™ (DPO™) is our patent-pending 3-tiered optic meticulously crafted to refract and reflect beams with great precision, effectively keeping glare to a minimum while delivering light of exceptional quality and visual comfort.



High-Efficiency Lambertian Optic (HLO)

Shielding of diffusing 0.075" thick acrylic provides up to 88% transmission and good obscuration. Matte white reflectors distribute LED output across the shielding. Luminaire brightness is controlled by the ratio of luminous flux to shielding area.



Blank (BLA)

Aluminum Blank covers provide spacing – functional or rhythmic – in the direct component of a Mini Pivot Linear luminaire. Covers finished to match the luminaire housing, and snap into the aperture.



LIGHT SOURCE

Static white

Custom linear array of high-flux LEDs mounted onto aluminum-backed circuitry with quick-connect wiring to facilitate service and optimize thermal management. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80+ CRI and an option for 90+ CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

Full spectrum static white

The full spectrum LED option offers improved color particularly in the cyan region that is beneficial in both healthcare and circadian lighting strategies. The cyan region in full spectrum LED is richer at the 480 nm range.

PATTERN LENGTH

All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that are extremely simple to work with in the field.

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Other specifiable options include Lutron Hi-Lume 1% Eco, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

MOUNTING

Fixtures can be mounted directly to drywall or grid ceiling, hardware supplied by others.

FINISH

Matte white and black. Custom colors also available (provide RAL #).

CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content

HLO lens: Acrylic

Louvers: Polycarbonate

Joining system: Die cast zinc

End caps: Die cast aluminum

WEIGHT

4': 2.2 lbs - 1.0 kg

8': 4.4 lbs - 2.0 kg

12': 6.8 lbs - 3.1 kg

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CERTIFICATION

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.