

MINI PIVOT LINEAR

PENDANT PATTERN
DIRECT/INDIRECT, DIRECT



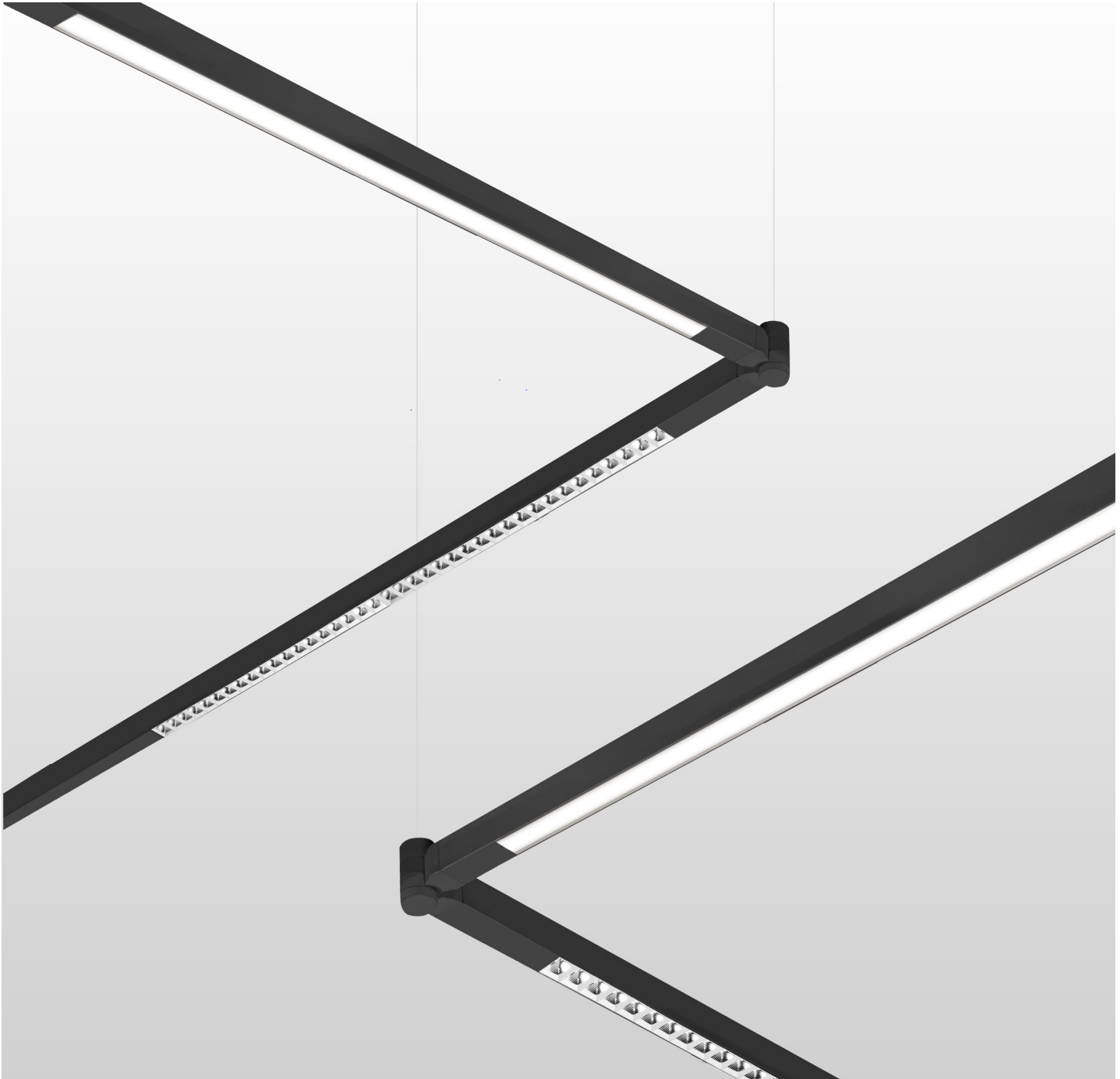
Project: _____

Type: _____



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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Order Guide

Example: MIPIVLINPPAT-D-HLO-2FT-BLA-1FT-NA-SW-80CRI-300LMF-NA-27K-3FT-1LNH2-120V-RD1-1C-ACS-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	DIRECT OPTICS ¹ Specify the total length for each required optic.	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE	CRI	
MIPIVLINPPAT						
MIPIVLINPPAT - Mini Pivot Linear Pendant Pattern	DI - Direct/Indirect D - Direct	PDPO ² - Precision Specular Diamond Prism Optic BDPO ² - Matte Black Diamond Prism Optic GDPO ² - Graphite Diamond Prism Optic HLO ³ - High-Efficiency Lambertian Optic BLA - Blank	FT IN FT IN FT IN FT IN	HLO - High-Efficiency Lambertian Optic NA - Not applicable	SW - Static white FS - Full spectrum	80CRI ⁴ - 80 CRI 90CRI ⁴ - 90 CRI 95CRI ⁵ - 95 CRI
		¹ Specify Prism optics in 7" increments for 10 cell louvers, HLO in 4" increments, Blank in 1" increments. ² Minimum optic length is 21". ³ Minimum optic length is 24".			⁴ Not available with full spectrum. ⁵ Available with full spectrum only.	

DIRECT LUMEN PACKAGE				INDIRECT LUMEN PACKAGE Specify NA for Direct fixture	COLOR TEMP.	TOTAL LUMINAIRE LENGTH
	Low	Medium	High			
PDPO	640LMF	940LMF	1450LMF	300LMF - 300 lm/ft 450LMF - 450 lm/ft 600LMF - 600 lm/ft NA - Not applicable	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	#FT#IN ⁶ - Specify the total nominal length (#) in 1' and/or 1" increments Standard nominal lengths: Single units - 2' to 12' Continuous runs: lengths over 12'
BDPO	640LMF	940LMF	x			
GDPO	640LMF	940LMF	1280LMF			
HLO	300LMF	450LMF	600LMF			⁶ Total luminaire length should equal the sum of all the direct optic lengths.

CORNER TYPE ⁷	VOLTAGE	DRIVER ⁹	ELECTRICAL	MOUNTING	FINISH ¹⁴
#LNH2 - 2-way horizontal Linx #LNH3 - 3-way horizontal Linx #LNH4 - 4-way horizontal Linx ⁷ Specify quantity (#) for each required Linx.	120V - 120V 277V - 277V UNV - 120V-277V 347V ⁸ - 347V	REMOTE RD1 - 1% 0-10V RDA ¹⁰ - DALI RLDE1 ¹⁰ - Lutron Hi-Lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V ⁹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁰ On-site commissioning is required.	1C - 1 circuit 2C ¹¹ - 2 circuits ¹¹ Available for Direct/Indirect only. Separate direct and indirect circuits.	ACS ¹² - Aircraft cable, standard ACC() ¹³ - Aircraft cable, custom ¹² Standard aircraft cable option: canopies are white, Ø5" for power canopy, Ø2" for non-power. Power cord is black for black fixtures, and white for all other fixture finishes. Aircraft cable length is 36". ¹³ To specify a custom mounting, please refer to the mounting code below to see all available options.	FTMB - Textured matte black FTMW - Textured matte white CF# - Custom finish, specify RAL# ¹⁴ Blank finish will match fixture finish.

Custom Pendant Mounting Code

For a custom mounting, specify the options in the parentheses.

Example: ACC(2NPC-72IN-W-PCB-SLC)

MOUNTING - AIRCRAFT CABLE, CUSTOM					
ACC()					
NON-POWER CANOPY SIZE	AIRCRAFT CABLE LENGTH	CANOPY FINISH	POWER CORD COLOR	OPTIONS	
ACC 2NPC - Ø2" non-power canopy 5NPC - Ø5" non-power canopy	36IN - 36" 72IN - 72" 120IN - 120" #IN ¹ - Other lengths, specify in inches ¹ Maximum length is 288". For longer lengths, please consult factory.	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	PCW - White PCB - Black	SEM - Seismic mounting SLC - Sloped ceiling for aircraft cable NA - None	

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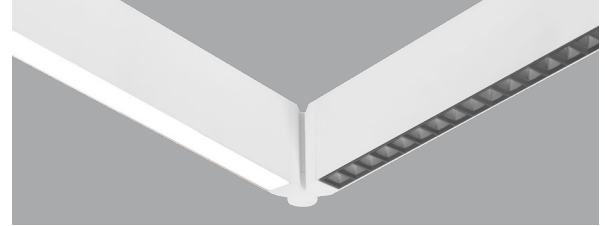
Type: _____

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 7 inch increments;
HLO in 4 inch increments.
Blank in 1 inch increments.
- Single units - 2' to 12'
- Maximum length for a section is 12'.
- Minimum angle for the rotation of the Linx is 60°.



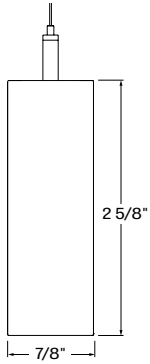
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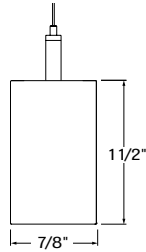
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Dimensions

DIRECT/INDIRECT

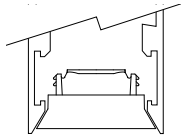


DIRECT

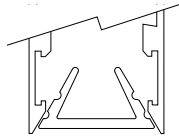


Section Views

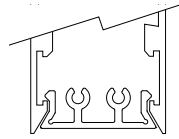
DIRECT OPTICS



PDPO, BDPO, GDPO

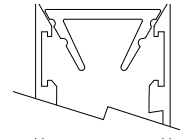


HLO



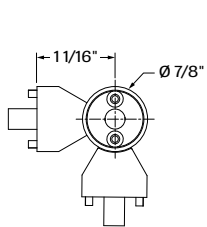
BLA

INDIRECT OPTIC

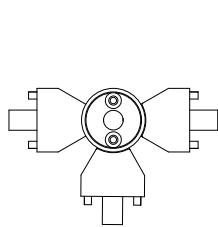


HLO

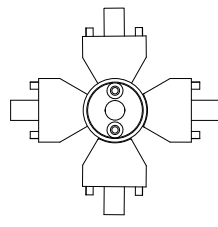
LINX



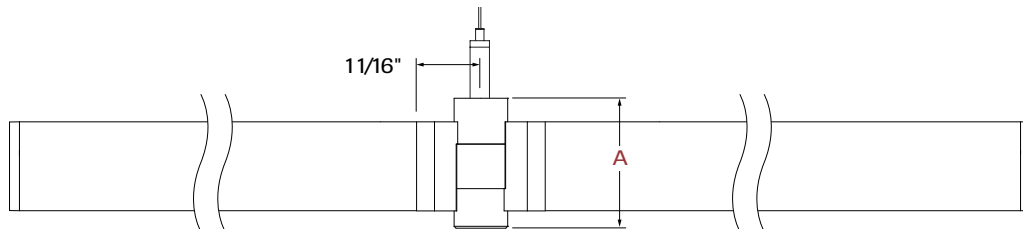
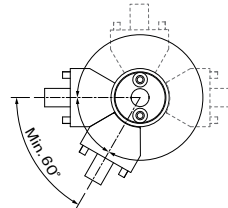
LN2 - 2-way horizontal Linx



LN3 - 3-way horizontal Linx



LN4 - 4-way horizontal Linx



A	
LINX HEIGHT	
DIRECT/INDIRECT	2 5/8"
DIRECT	2 1/8"

MIPIVLINPPAT - Mini Pivot Linear Pendant Pattern - shown with 2-way horizontal Linx

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Photometrics

PDPO/BDPO/GDPO values calculated based on four 7in sections at 35K and 90 CRI.

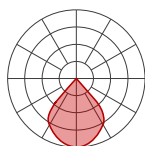
HLO values calculated based on a 4ft fixture at 35K and 80 CRI.

DIRECT OPTICS



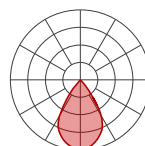
PDPO

LM/FT	W/FT	LPW
640	5.6	115
940	8.4	112
1450	14.6	99



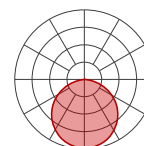
BDPO

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



GDPO

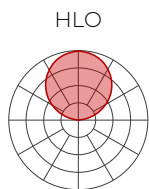
LM/FT	W/FT	LPW
640	8.3	77
940	11.9	79
1280	18.1	71



HLO

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

INDIRECT OPTIC



HLO

LM/FT	W/FT	LPW
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 Direct and Indirect photometric tables.

PDPO/BDPO/GDPO

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

HLO

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

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\begin{array}{cc} \text{DIRECT} & + \\ \text{LM/FT} & \end{array} \right) + \left(\begin{array}{cc} \text{INDIRECT} & + \\ \text{LM/FT} & \end{array} \right)}{\left(\begin{array}{cc} \text{DIRECT} & + \\ \text{W/FT} & \end{array} \right) + \left(\begin{array}{cc} \text{INDIRECT} & + \\ \text{W/FT} & \end{array} \right)} = \text{LPW}$$

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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.

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), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

MOUNTING OPTIONS

Fixtures can be pendant-mounted, using aircraft cables. Unless otherwise specified, Lumenwerx provides the following hardware: **Standard aircraft cable option (ACS)** - Canopies are white, Ø5" for power canopy, Ø2" for non-power. Power cord is black for black fixtures, and white for all other fixture finishes. Aircraft cable length is 36".

FINISH

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

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CONSTRUCTION

Housing - Extruded aluminum, up to 90% recycled content

HLO lens - Acrylic

Louvers - Polycarbonate

Joining system - Die cast zinc

End caps - Die cast aluminum

Hanger - Chromed griplock securely attached in end caps and/or joiners with stainless steel hardware

Aircraft cable suspension - Stainless steel aircraft cable 1mm thick

WEIGHT

Direct/Indirect	Direct
4ft - 3.31 lbs - 1.5 kg	4ft - 2.2 lbs - 1.0 kg
8ft - 6.61 lbs - 3.0 kg	8ft - 4.41 lbs - 2.0 kg
12ft - 10.1 lbs - 4.6 kg	12ft - 6.8 lbs - 3.1 kg

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.