

# EDGE MINI

## 1" x 2" Suspended Direct Linear

### Key Features

- Veil Louver optics deliver comfort and control in a compact 1.5" aperture
- UGR < 5; supports glare-conscious design aligned with LEED and WELL project goals
- Louver finishes: Matte Black, Matte White, or Chrome Silver metallic
- Four beam spreads: 14°, 38°, 58°, 75° for focused or ambient illumination
- Mix Veil Louver with lensed or blank sections within one continuous run
- Compatible with Edge Hubs for pattern creation
- 5-year warranty



Example Part #: EX12D-VB/MB/NR-N-830HO-26'-AC48G1-U-FSD-1-0-W

EX12D - DIRECT SHIELDING - N - INDIRECT SHIELDING - CRI, CCT & OUTPUT - LENGTH OR PATTERN - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH

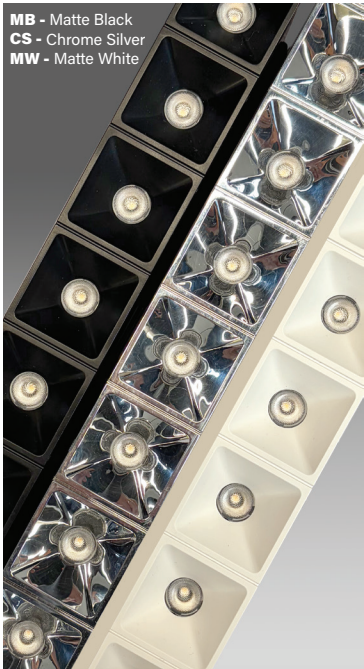
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DIRECT SHIELDING	INDIRECT SHIELDING	SOURCE <sup>1</sup>	LENGTH OR PATTERN <sup>2</sup>
<b>V</b> - Veil Louver (full fixture) <b>VB</b> - Veil Louver and Blank Sections <b>VA</b> - Veil Louver and Satine Lens <b>VHE</b> - Veil Louver and High Efficiency Lens <b>VBW</b> - Veil Louver and Batwing Insert <b>VWHE</b> - Veil Louver and Asymmetric Insert <i>specification example: VB/MB/MI</i>	<b>N</b> - None <i>Other Selections for TLO options</i> <b>MB</b> - Matte Black <b>MW</b> - Matte White <b>CS</b> - Chrome Silver <b>NR</b> - Narrow 14° <b>MD</b> - Medium 38° <b>WD</b> - Wide 58° <b>VW</b> - Very Wide 75°	<b>_27_</b> - 2700K <b>_30_</b> - 3000K <b>_35_</b> - 3500K <b>_40_</b> - 4000K <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts	<b>_ _</b> - Individual Fixture <b>_ _</b> - Continuous Row <i>Non-Illuminated Hubs</i> <b>HS</b> - Square <b>HR_X_</b> - Rectangle <b>HTR</b> - Triangle <b>HH</b> - Hexagon <b>HU_X_X_</b> - U-Shape <b>HL_X_</b> - L Shape <b>HT_X_X_</b> - T-Shape <b>HX_X_X_X_</b> - X-Shape <b>HY_X_X_</b> - Y-Shape
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MOUNTING <sup>3</sup>	VOLTAGE	REMOTE DRIVER	CIRCUITING
<b>AC_G</b> - AC to Grid <b>AC_JB</b> - AC to J Box <b>AC_ST</b> - AC to Structure <b>WA</b> - Wall Mount <b>S</b> - Surface Mount <b>AC5_G</b> - 5" Non-Power Canopy <b>AC5_JB</b> - 5" Non-Power Canopy <b>SQ_G</b> - 5" Square Canopy <b>SQ_JB</b> - 5" Square Canopy	<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V	<b>FSD</b> - Factory Select Driver (1%, 0-10v) <b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL2</b> - eldoLED (1%, 0-10v) <b>EE1</b> - eldoLED ECOdrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, EcoSystem)	<b>1</b> - Single Circuit <b>M</b> - Multi Circuit <b>E</b> - Emergency (entire fixture)
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BATTERY & EMERGENCY <sup>4</sup>	FINISH	FIXTURE OPTIONS	CONTROLS
<b>0</b> - None <b>FSB</b> - Factory Select Battery <b>_ILL</b> - Iota 10W <b>_PLL</b> - Bodine 10W	<b>W</b> - White <b>S</b> - Metallic Silver <b>BL</b> - Textured Black <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color	<b>DSP</b> - Customer supplied Battery/Driver/Sensor <b>BA</b> - Build America Buy America Compliant	<i>Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.</i>

<sup>1</sup>When specifying CRI- CCT & OUTPUT the first \_ is for specifying either **8** - 80CRI or **9** - 90CRI. The ending \_ are for specifying output, example **HO** - High Output. See output charts for more information. <sup>2</sup>Individual fixtures come in **2', 3', 4', 5', 6', 7', & 8'** lengths. Continuous row come in 1' increments starting at 2' **VB** is offered starting at 4' and up to 24' standard. V+Lens is offered starting at 4' and up to 16' standard. Patterns are only available with **V** - Fully louvered fixture option and use a non-illuminated hub (**H**) see page 3 for more information. For patterns Specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4' <sup>3</sup>Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot; <sup>4</sup>Enter quantity for Battery and Emergency, Example 2PLL. <sup>5</sup>Compliance is configuration dependent; consult factory for confirmation. Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.



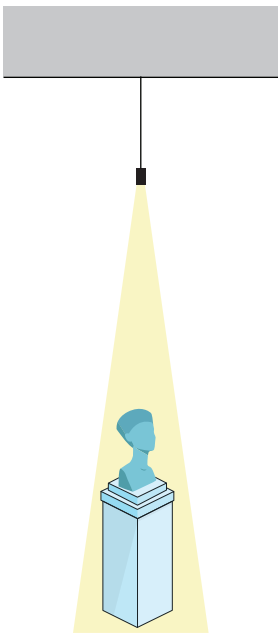
Shielding

Louver Color

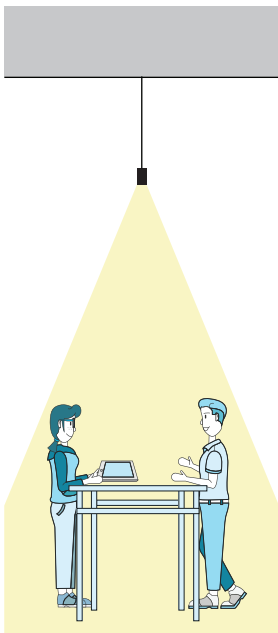


Optic Distribution

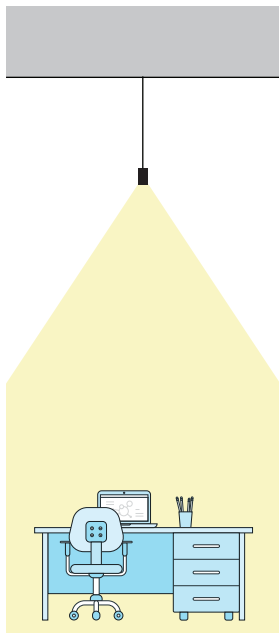
NR - Narrow 14°



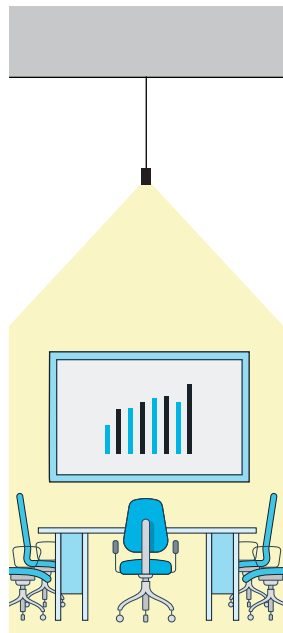
MD - Medium 38°



WD - Wide 58°



VW - Very Wide 75°

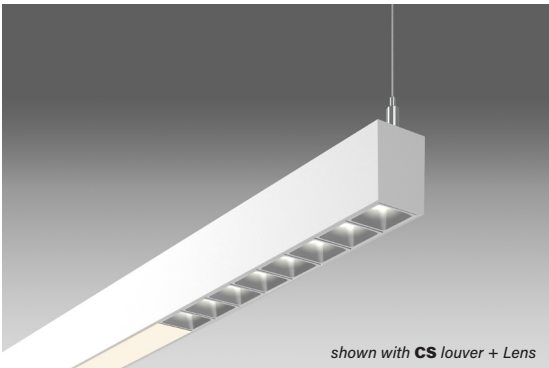


Lensing

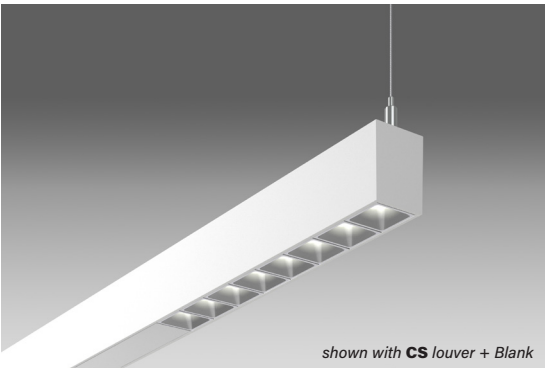
A	HE	BW	WHE	Indirect
Satine Lens	High Efficiency Lens	Batwing Insert	Asymmetric Insert	N

Combination Shielding Option

- Available with a combination of louver & lensed or louver & blank sections
- Louver will always be 12" sections
- Louver & blanks are available up to 24' standard with the louver sections evenly spaced in the run, max blank length of 3ft
- Louver & lens are available up to 16' standard with the louver sections at the start and end of the runs
- Louver combination layouts available [here](#)



shown with CS louver + Lens



shown with CS louver + Blank



## CRI, CCT & Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50
- Output values for Veil Louver apply to all finishes

## Custom Output - Lumens OR Wattage

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835600)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify lumens between standard offering listed below. Lumens are specified per color temp

## Direct Veil Louver 80 CRI

	Color	Lumens per foot	Veil Distribution		MD		WD		VW	
			NR 14° Narrow Optic LPW	Watts/ft	38° Medium Optic LPW	Watts/ft	58° Wide Optic LPW	Watts/ft	75° Very Wide LPW	Watts/ft
<b>830</b>	3000K	500	120	4.2	116	4.3	120	4.2	112	4.5
<b>830HO</b>		750	115	6.5	111	6.8	115	6.5	107	7.0
<b>830VHO</b>		1000	112	8.9	108	9.3	111	9.0	104	9.6
<b>835</b>	3500K	500	123	4.1	119	4.2	122	4.1	114	4.4
<b>835HO</b>		750	118	6.3	114	6.6	117	6.4	110	6.8
<b>835VHO</b>		1000	115	8.7	110	9.1	114	8.8	107	9.4
<b>840</b>	4000K	500	121	4.1	117	4.3	120	4.2	113	4.4
<b>840HO</b>		750	116	6.4	112	6.7	115	6.5	108	6.9
<b>840VHO</b>		1000	113	8.8	109	9.2	112	8.9	105	9.5

## Direct Veil Louver 90 CRI

<b>927</b>	2700K	500	89	5.6	86	5.8	89	5.6	83	6.0
<b>927HO</b>		750	86	8.7	83	9.1	85	8.8	80	9.4
<b>927VHO</b>		1000	N/A		N/A		N/A		N/A	
<b>930</b>	3000K	500	95	5.3	91	5.5	94	5.3	88	5.7
<b>930HO</b>		750	91	8.3	87	8.6	90	8.3	84	8.9
<b>930VHO</b>		1000	N/A		N/A		N/A		N/A	
<b>935</b>	3500K	500	97	5.2	93	5.4	96	5.2	89	5.6
<b>935HO</b>		750	92	8.1	89	8.4	92	8.2	86	8.7
<b>935VHO</b>		1000	89	11.2	N/A		88	11.3	N/A	
<b>940</b>	4000K	500	102	4.9	98	5.1	101	4.9	95	5.3
<b>940HO</b>		750	98	7.7	94	8.0	97	7.7	91	8.3
<b>940VHO</b>		1000	94	10.6	91	11.0	94	10.7	N/A	

## Direct Lensed 80 CRI

	Color	Lumens per foot	Shielding		HE		BW		WHE	
			A Satine Lens LPW	Watts/ft	High Efficiency LPW	Watts/ft	Batwing LPW	Watts/ft	Asymmetric LPW	Watts/ft
<b>830</b>	3000K	500	92	5.4	116	4.3	84	5.9	101	4.9
<b>830HO</b>	3000K	750	94	8.0	115	6.5	86	8.7	103	7.3
<b>830VHO</b>	3000K	1000	93	10.7	118	8.5	84	11.9	105	9.5
<b>835</b>	3500K	500	95	5.2	119	4.2	87	5.8	105	4.8
<b>835HO</b>	3500K	750	97	7.7	119	6.3	88	8.5	107	7.0
<b>835VHO</b>	3500K	1000	97	10.4	122	8.2	87	11.5	107	9.3
<b>840</b>	4000K	500	95	5.2	119	4.2	87	5.8	105	4.8
<b>840HO</b>	4000K	750	97	7.7	119	6.3	88	8.5	107	7.0
<b>840VHO</b>	4000K	1000	97	10.4	122	8.2	87	11.5	107	9.3

## Direct Lensed 90 CRI

<b>927</b>	2700K	500	74	6.7	96	5.2	70	7.2	84	6.0
<b>927HO</b>	2700K	750	77	9.8	97	7.7	70	10.7	86	8.8
<b>927VHO</b>	2700K	1000	74	13.5	97	10.3	N/A		84	12.0
<b>930</b>	3000K	500	81	6.1	102	4.9	74	6.7	91	5.5
<b>930HO</b>	3000K	750	83	9.0	104	7.2	77	9.8	93	8.1
<b>930VHO</b>	3000K	1000	81	12.3	106	9.4	74	13.5	93	10.8
<b>935</b>	3500K	500	81	6.2	102	4.9	74	6.8	91	5.5
<b>935HO</b>	3500K	750	83	9.1	104	7.2	76	9.8	93	8.1
<b>935VHO</b>	3500K	1000	81	12.4	106	9.5	74	13.6	92	10.8
<b>940</b>	4000K	500	81	6.2	102	4.9	74	6.8	91	5.5
<b>940HO</b>	4000K	750	83	9.1	104	7.2	76	9.8	93	8.1
<b>940VHO</b>	4000K	1000	81	12.4	106	9.5	74	13.6	92	10.8



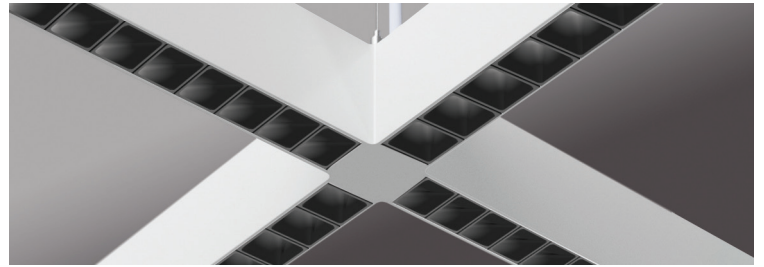
## Length

- All individual units cannot be joined, end plates are factory installed and cannot be removed
- For Continuous Runs, add 1/8" (3.2mm) for each end plate or 1/4" (6.4mm) to the overall length of the row
- Louver & blanks are available up to 24' standard with the louver sections evenly spaced in the run, max blank length of 3ft
- Louver & lens are available up to 16' standard with the louver sections at the start and end of the runs
- Louver combination layouts available [here](#)

2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the foot
24" (609.6mm)							
36" (914.4mm)							
48" (1219.2mm)							
60" (1524mm)							
72" (1828.8mm)							
84" (2133.6mm)							
96" (2438.4mm)							
Specify to the foot							

## Patterns

- Patterns only available when ordering the V fully louvered option, not available with VB or V+lens
- Specify pattern shape and dimensions per leg(s)
- Length specified will not reflect overall pattern dimensions
- Patterns cannot be used with S or WA mounting
- Angles and shapes not shown require MOD Pattern; consult factory
- For MOD patterns factory drawings and sign off required



HS_	HR_x_	HTR_	HH_	HU_x_x_	HL_x_	HY_x_	HT_x_	HX_x_
Square Hub Provide A dimension Example: HS4	Rectangle Hub Provide AxB dimensions Example: HR4x2	Triangle Hub Provide A dimension Example: HTR4	Hexagon Hub Provide A dimension Example: HH4	U-Shape Hub Provide AxBxC dimensions Example: HU3x4x3	L-Shape Hub Provide AxB dimensions Example: HL3x3	Y-Shape Hub Provide AxBxC dimensions Example: HY3x3X3	T-Shape Hub Provide AxBxC dimensions Example: HT3x5X3	X-Shape Hub Provide AxBxCxD dimensions Example: X3x3x3x3

### Non-illuminated Hub Details



**H90**  
90° Hub



**HTR**  
Triangle Hub



**HH**  
Hexagon Hub



**HY**  
Y-Shape Hub



**HT**  
T-Shape Hub



**HX**  
X-Shape Hub

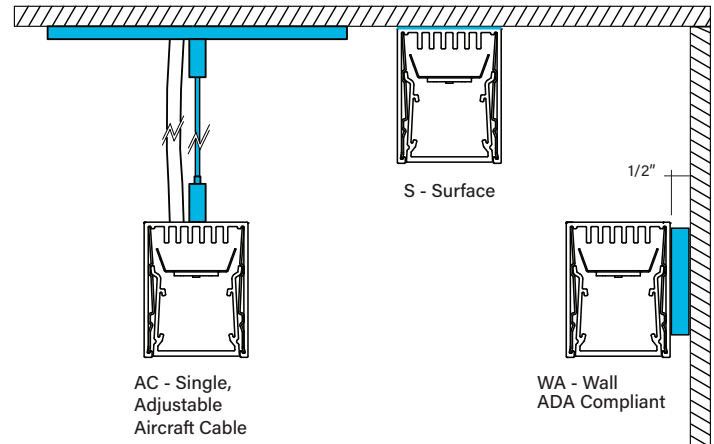


## Mounting

- Specify cable length in ordering code (AC48G1)
- Standard specifiable lengths are 48", 120", 240" and 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies

- Canopies are painted to match fixture finish, power cords are white or black depending on fixture finish. See Finish section for additional details
- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 10 lbs for a standard 4' fixture
- Remote box will be included for all specifications

<b>AC_G1</b>	Aircraft Cable 1" (15/16") T-Bar
<b>AC_G9</b>	Aircraft Cable 9/16" T-Bar
<b>AC_GS</b>	Aircraft Cable Screw Slot T-Bar
<b>AC_JB</b>	Aircraft Cable Junction Box
<b>AC_ST</b>	Aircraft Cable Structure
<b>AC5_G</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>AC5_JB</b>	Aircraft Cable 5" (127mm) Non-Power Canopy
<b>SQ_G</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>SQ_JB</b>	Aircraft Cable 5" (127mm) Square Canopy
<b>WA</b>	Wall Mount
<b>S</b>	Surface Mount



## Voltage

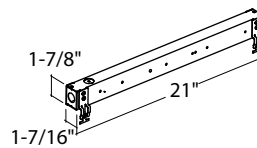
- Some EX12 configurations will not accommodate all voltage options; consult with factory

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	347 volt

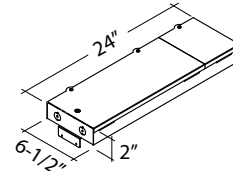
## Remote Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some EX12D configurations will not accommodate all driver options; consult with factory
- Osram and Lutron Drivers have a remote distance limitation of 10'
- eldoLED and Advance Drivers have an average remote distance limitation of 50'. Consult Factory for specific configurations

Slim Remote Box



Standard Remote Box



0-10V Drivers		Slim Remote Box	Standard Remote Box
<b>FSD</b>	Factory Select Driver (1%, 0-10v)	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
<b>PL2</b>	Signify Advance Xitanium 1%, 0-10v		
<b>OL2</b>	eldoLED Optotronic, 1%, 0-10v		
<b>OL4</b>	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option		
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic		
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear		
<b>ES1</b>	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic	Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0.1% Linear		
<b>DALI Drivers</b>		Standard Output (STD), High Output (HO)	Very High Output (VHO), 90CRI Options
<b>EE3</b>	eldoLED ECOdrive .1%, DALI (logarithmic)		
<b>ES3</b>	eldoLED SOLOdrive .1%, DALI (logarithmic)		
<b>Lutron Drivers</b>		All Configurations	N/A
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1		



## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EX12D configurations will not accommodate all circuiting options, consult with factory
  - V and VB are only available with single circuit

### Circuiting

<b>1</b>	Single Circuit
<b>M</b>	Multi Circuit
<b>E</b>	Emergency Circuit only

- 2** + **3**
- Battery section options are available in addition to fixture circuit
  - Select battery section options below; factory shop drawing required
  - Some EX12D configurations will not accommodate all circuiting options, consult with factory

### Battery and/or Emergency *If Required*

- Select battery section type if required, indicate total QTY. *Example 2PLL*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- Battery not available for lengths under 4'
- For V shielding option - louver only, entire fixture housing is on battery for lengths up to 5'; half of fixture is on battery for 6' or 8' housing lengths
- For Louver+Lens combination, battery section will be up to 4' total length or section of available lensed fixture portion
- For more battery options available, see Pinnacle Resource Guide

<b>0</b>	No Battery
<b>_FSB</b>	Factory Select Battery 10w, Integral Lithium
<b>_ILL</b>	Iota 10w Integral Lithium, Self Testing
<b>_PLL</b>	Bodine 10w Integral Lithium, Self Testing

#### Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery      Ordering Code: 1-1PLL
- Emergency only, 10w Integral Battery      Ordering Code: E-1PLL

#### For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 battery lumen output

### Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information
- When ordering VB shielding option the blank section will match the fixture finish color

<b>W</b>	White ( <i>white cord/white canopy</i> )
<b>S</b>	Metallic Silver ( <i>white cord/silver canopy</i> )
<b>BL</b>	Textured Black ( <i>black cord/black canopy</i> )
<b>BR</b>	Bronze ( <i>white cord/bronze canopy</i> )
<b>GR</b>	Graphite ( <i>white cord/graphite canopy</i> )
<b>CC</b>	Custom Color ( <i>white cord/color match canopy</i> )

### Fixture Options

- Additional options to enhance the fixture and finish of the product

<b>DSP</b>	Customer supplied Battery/Driver/Sensor
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- Domestic content option - compliance is configuration dependent; consult factory for conformation

<b>BA</b>	Build America Buy America Compliant
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### Controls

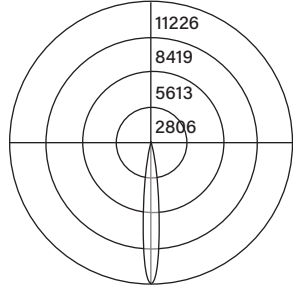
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.



## Photometrics

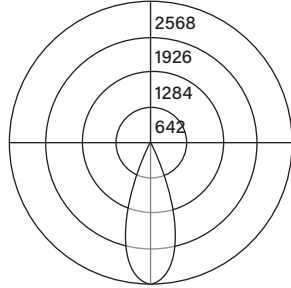
### Narrow

Test # KPL2015-161  
Catalog # EX12D-V/MB/NR-840-1  
Lumens 1012 lms  
Watts 9.4W  
Efficacy 108 LPW



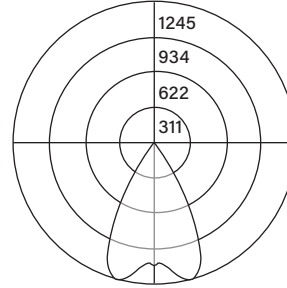
### Medium

Test # KPL2015-162  
Catalog # EX12D-V/MB/MD-840-1  
Lumens 1002 lms  
Watts 9.7W  
Efficacy 103 LPW



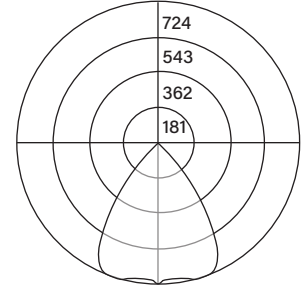
### Wide

Test # KPL2015-163  
Catalog # EX12D-V/MB/WD-840-1  
Lumens 1004 lms  
Watts 9.4W  
Efficacy 107 LPW



### Very Wide

Test # KPL2015-164  
Catalog # EX12D-V/MB/VW-840-1  
Lumens 1003 lms  
Watts 10.2W  
Efficacy 99 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	11226	11226	11226	11226	11226
5	7952	8011	8031	7976	7893
10	2926	2962	2987	2987	2965
15	817	825	846	845	860
20	316	319	335	332	337
25	165	162	171	169	172
30	94	90	94	95	97
35	47	49	50	51	51
40	11	21	25	23	11
45	3	5	13	5	4
50	3	3	4	3	3
55	2	2	2	2	3
60	0	1	1	1	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2560	2560	2560	2560	2560
5	2510	2509	2517	2491	2462
10	2277	2266	2252	2236	2231
15	1826	1834	1820	1786	1778
20	1182	1184	1173	1148	1152
25	511	509	507	496	499
30	128	130	131	126	123
35	30	31	32	29	27
40	12	14	15	13	12
45	6	8	10	7	6
50	4	4	6	4	4
55	2	3	3	2	3
60	0	1	1	1	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1074	1074	1074	1074	1074
5	1097	1100	1105	1097	1084
10	1158	1161	1172	1174	1169
15	1212	1219	1228	1233	1245
20	1147	1171	1184	1169	1177
25	919	932	939	916	928
30	524	525	525	514	521
35	176	183	186	178	174
40	34	41	45	41	35
45	7	10	17	10	7
50	3	4	7	4	3
55	2	2	3	2	2
60	0	1	1	1	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	713	713	713	713	713
5	714	714	717	709	698
10	710	713	715	705	699
15	707	713	716	709	714
20	707	712	719	715	724
25	690	689	702	690	702
30	620	620	635	613	612
35	476	481	488	472	462
40	288	298	299	288	275
45	128	134	144	129	122
50	41	46	52	45	39
55	2	7	16	8	2
60	0	1	2	1	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	423	1554	491
55	230	348	380
65	31	36	40
75	45	45	60
85	141	128	177

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	757	1195	754
55	337	424	393
65	24	31	30
75	37	39	46
85	101	105	137

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	819	2012	834
55	300	420	259
65	26	33	29
75	33	41	39
85	107	115	107

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14207	15926	13508
55	283	2238	335
65	40	49	47
75	38	37	41
85	90	93	105

For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com). Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditions





## Applications & Certificates

**Construction:** 6063-T5 Extruded aluminum housing. Highly reflective die-formed white painted reflector.

**Shielding:** Diffuse snap-in acrylic lens with matte finish, removable for maintenance. Louver: polycarbonate shade with various finishes (matte, gloss), removable for maintenance. Acrylic optics over individual LEDs. Blank: extruded aluminum, powder coated, removable for maintenance.

**Mounting:** Aircraft cable, wall and surface mount available. The aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified. Maximum fixture weight is 10 lbs for a standard 4' fixture.

**LED:** 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. Lifetime Projection L70 = 60,000 hours and L90 = 49,900 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).

**CRI, CCT & Output:** Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K and 4000K. 90 CRI = R9≥50.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify OL4 in Driver section when 347 volt (3) is selected. Some EDGE configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Factory Select Driver 0-10V, 1% = FSD. All driver options will be in remote box. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 101°F/39°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), Multi circuit (M) or Emergency circuit (E). Some EX configurations will not accommodate all circuiting options; consult with factory.

**Battery & Emergency:** Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is remote to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes. Canopies painted white unless specified differently in the options section of the part number. Contact factory for additional custom color and finish options.

**Controls:** Mod options available, consult with factory.

**Build America, Buy America Act (BABA) Compliance:** BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

**Labels:** UL and cUL 1598 listed. Standard and HO lumen packages are approved for dry/damp location unless otherwise noted.

**Fixture Weight:** Maximum fixture weight is 10 lbs for a standard 4' fixture.

**Warranty:** EX LED offered with a 5-year limited warranty. Covers LED, driver and fixture.