

# EDGE EX1DI

## 1" Suspended Bidirectional 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
- Multiple indirect distributions: High Efficiency, Batwing, and Asymmetric
- Compatible with Edge Hubs for pattern creation
- 5-year warranty



Example Part #: EX1DI-VB/MB/NR-HE-830HO-830-26'-AC48G1-U-FSD-1-0-W



DIRECT SHIELDING	INDIRECT SHIELDING	DIRECT SOURCE <sup>1</sup>	INDIRECT SOURCE <sup>1</sup>
<i>specification example: VB/MB/MI</i>			
<b>V</b> - Veil Louver (full fixture) <b>VB</b> - Veil Louver and Blank Sections  <i>Consult factory for louver+lens combinations</i>	<i>Other Selections for TLO options</i> <i>Louver Color</i> <b>MB</b> - Matte Black <b>MW</b> - Matte White <b>CS</b> - Chrome Silver	<b>HE</b> - High Efficiency <b>BW</b> - Batwing Lens <b>WHE</b> - Asymmetric Lens <b>HEA</b> - Ascent Lens <i>Indirect Shielding pg. 2</i>	<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 <i>Direct Source pg. 3</i>
	<i>Optic Distribution</i> <b>NR</b> - Narrow 14° <b>MD</b> - Medium 38° <b>WD</b> - Wide 58° <b>VW</b> - Very Wide 75° <i>Direct Shielding pg. 2</i>	<b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <i>Indirect Source pg. 3</i>	

LENGTH OR PATTERN <sup>2</sup>	MOUNTING <sup>3</sup>	VOLTAGE	DRIVER
___ - Individual Fixture ___ - 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 <i>Length or Patten pg. 4</i>	<b>AC_G</b> - AC to Grid <b>AC_JB</b> - AC to J Box <b>AC_ST</b> - AC to Structure <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 <i>Mounting pg. 5</i>	<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V <i>Voltage pg. 5</i>	<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>OL4</b> - eldoLED 347V (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) <i>Driver pg. 5</i>

CIRCUITING	BATTERY & EMERGENCY <sup>4</sup>	FINISH	FIXTURE OPTIONS <sup>5</sup>	CONTROLS
<b>1</b> - Single Circuit <b>2</b> - Dual Circuit (direct/indirect) <b>M</b> - Multi Circuit <b>E</b> - Emergency (entire fixture) <i>Circuiting pg. 6</i>	<b>0</b> - None <b>_FSB</b> - Factory Select Battery <b>_ILL</b> - Iota 10W <b>_PLL</b> - Bodine 10W <i>Battery &amp; Emergency pg. 6</i>	<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 <i>Finish pg. 6</i>	<b>DSP</b> - Customer supplied Battery/Driver/Sensor <b>BA</b> - Build America Buy America Compliant <i>Fixture Options pg. 6</i>	<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 **4', 5', 6', 7', & 8'** lengths. Continuous row come in 1' increments starting at **4'**; **VB** is offered starting at 4' and up to 24' 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. Example: AC48G1 <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.



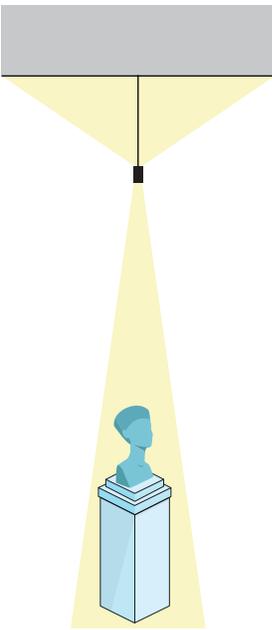
## Shielding

### Louver Color

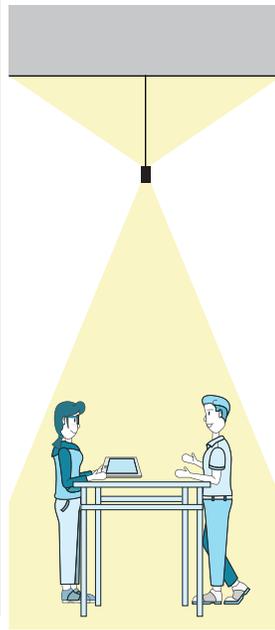


### Optic Distribution

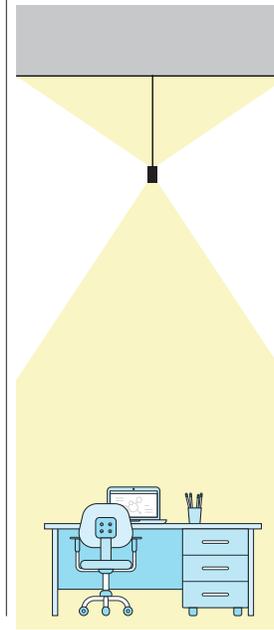
**NR** - Narrow 14°



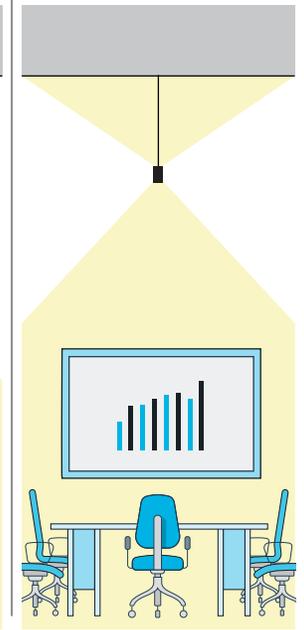
**MD** - Medium 38°



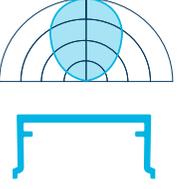
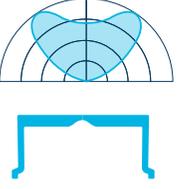
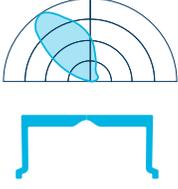
**WD** - Wide 58°



**VW** - Very Wide 75°



### Indirect

HE	BW	WHE
High Efficiency	Batwing	Asymmetric
		
		

### Combination Shielding Option

- Available with a combination of 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 combination layouts available [here](#)





### CRI, CCT & Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory
- 90 CRI = R9≥50
- Not all lumen package combinations can be accommodated, contact factory for more information.
- Output values for Veil Louver apply to all finishes

### Custom Output - Lumens OR Wattage

**CL** \_\_\_\_\_ Specify CRI, CCT and desired lumens (i.e. CL835600) *Specify lumens between standard offering listed below. Lumens are specified per color temp*

**CW** \_\_\_\_\_ 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							
			NR 14° Narrow Optic		MD 38° Medium Optic		WD 58° Wide Optic		VW 75° Very Wide	
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	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	

### Indirect Lensed 80 CRI

	Color	Lumens per foot	Shielding HE High Efficiency		BW Batwing		WHE Asymmetric		HEA Ascent	
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
<b>830</b>	3000K	500	124	4.0	117	4.3	70	7.2	115	4.3
<b>830HO</b>	3000K	750	124	6.1	117	6.4	70	10.7	110	6.8
<b>830VHO</b>	3000K	1000	127	7.9	120	8.3	N/A		104	9.6
<b>835</b>	3500K	500	124	4.0	121	4.1	72	6.9	118	4.2
<b>835HO</b>	3500K	750	128	5.9	121	6.2	73	10.3	112	6.7
<b>835VHO</b>	3500K	1000	131	7.6	124	8.1	N/A		106	9.4
<b>840</b>	4000K	500	128	3.9	121	4.1	71	7.0	121	4.1
<b>840HO</b>	4000K	750	129	5.8	121	6.2	69	10.9	115	6.5
<b>840VHO</b>	4000K	1000	126	7.9	121	8.3	N/A		110	9.1

### Indirect Lensed 90 CRI

<b>927</b>	2700K	500	103	4.9	97	5.1	58	8.7	88	5.7
<b>927HO</b>	2700K	750	103	7.3	99	7.6	N/A		83	9.0
<b>927VHO</b>	2700K	1000	104	9.6	98	10.2	N/A		N/A	
<b>930</b>	3000K	500	110	4.6	104	4.8	63	8.0	98	5.1
<b>930HO</b>	3000K	750	112	6.7	106	7.1	61	12.3	90	8.3
<b>930VHO</b>	3000K	1000	113	8.9	106	9.4	N/A		86	11.7
<b>935</b>	3500K	500	109	4.6	104	4.8	62	8.0	104	4.8
<b>935HO</b>	3500K	750	112	6.7	106	7.1	61	12.3	97	7.8
<b>935VHO</b>	3500K	1000	112	8.9	107	9.3	N/A		92	10.9
<b>940</b>	4000K	500	109	4.6	104	4.8	62	8.0	104	4.8
<b>940HO</b>	4000K	750	112	6.7	106	7.1	61	12.3	97	7.8
<b>940VHO</b>	4000K	1000	112	8.9	107	9.3	N/A		92	10.9

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## 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
- Louvers & blanks are available up to 24' standard with the louver sections evenly spaced in the run, max blank length of 3ft
- Louver combination layouts available [here](#)

4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Specify nominal overall row length to the foot
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
- Specify pattern shape and dimensions per leg(s)
- Length specified will not reflect overall pattern dimensions
- 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: HR4x6	Triangle Hub Provide A dimension Example: HTR4	Hexagon Hub Provide A dimension Example: HH4	U-Shape Hub Provide AxBxC dimensions Example: HU5x4x5	L-Shape Hub Provide AxB dimensions Example: HL5x4	Y-Shape Hub Provide AxBxC dimensions Example: HY4x4x4	T-Shape Hub Provide AxBxC dimensions Example: HT4x6X4	X-Shape Hub Provide AxBxCxD dimensions Example: X4x4x4x4

Non-illuminated Hub Details

<b>H90</b> 90° Hub	<b>HTR</b> Triangle Hub	<b>HH</b> Hexagon Hub	<b>HY</b> Y-Shape Hub	<b>HT</b> T-Shape Hub	<b>HX</b> X-Shape Hub

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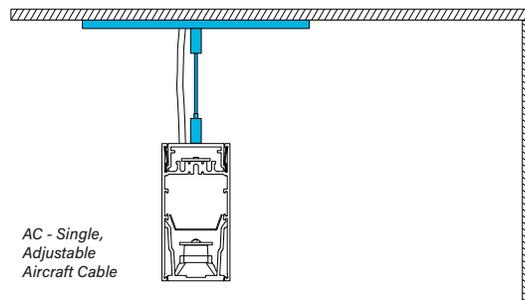


## Mounting

- Specify cable length in ordering code (AC48G1)
- Standard adjustable cable. Specify 48", 120", 240" or 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 and pendants 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 12 lbs for a standard 4' fixture
- For a wall mounted fixture with an indirect asymmetric lens, light will be directed away from the wall as a standard

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



## Voltage

- Some EX1DI 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

## 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 EX1DI configurations will not accommodate all driver options; consult with factory

### 0-10V Drivers

<b>FSD</b>	Factory Select Driver 1%, 0-10v
<b>PL2</b>	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 0.1%, 0-10v, Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0.1%, 0-10v, Linear

### DALI Drivers

<b>EE3</b>	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
<b>ES3</b>	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6

### Lutron Drivers

<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
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## How to specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EX1DI configurations will not accommodate all circuiting options, consult with factory

### Circuiting

<b>1</b>	Single Circuit
<b>2</b>	Dual Circuit ( <i>direct/indirect</i> )
<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 EX1DI 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, requires additional drop
- Entire direct fixture housing is on battery for lengths up to 5'; half of direct fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

<b>0</b>	No Battery
<b>_FSB</b>	Factory Select Battery 10w, Integral Lithium
<b>_PLL</b>	Bodine 10w Integral Lithium, Self Testing
<b>_ILL</b>	Iota 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 (vfts) = 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
- When ordering VB shielding option the blank section will match the fixture finish color
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

<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
- Domestic content option - compliance is configuration dependent; consult factory for conformation

**DSP** Customer supplied Battery/Driver/Sensor

**BA** Build America Buy America Compliant

## Controls

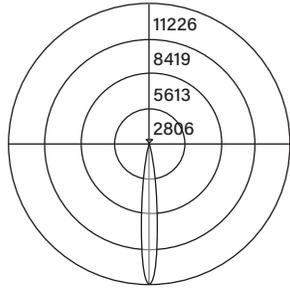
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.



**Photometrics**

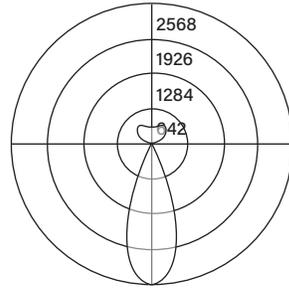
**Narrow**

Test # Scaled from KPL2015-161 & KPL2015-63  
Catalog # EX1DI-V/MB/NR-BW-840-840-1  
Lumens 1951 lms  
Watts 16.9W  
Efficacy 115 LPW



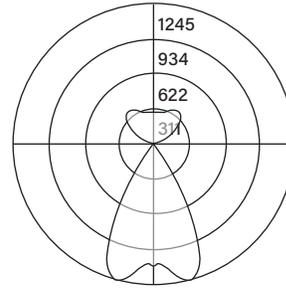
**Medium**

Test # Scaled from KPL2015-162 & KPL2015-63  
Catalog # EX1DI-V/MB/MD-BW-840-840-1  
Lumens 1942 lms  
Watts 17.2W  
Efficacy 113 LPW



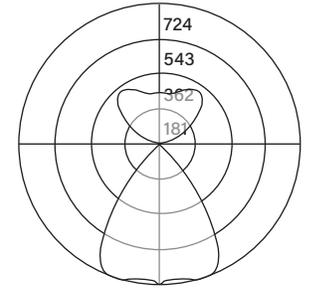
**Wide**

Test # Scaled from KPL2015-163 & KPL2015-63  
Catalog # EX1DI-V/MB/WD-BW-840-840-1  
Lumens 1944 lms  
Watts 16.9W  
Efficacy 115 LPW



**Very Wide**

Test # Scaled from KPL2015-164 & KPL2015-63  
Catalog # EX1DI-V/MB/VW-BW-840-840-1  
Lumens 1944 lms  
Watts 17.7W  
Efficacy 110 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	1	1	1	1	1
95	8	11	13	11	11
100	20	29	36	32	30
105	34	52	67	61	57
110	51	78	105	97	91
115	69	104	152	140	135
120	89	130	191	190	184
125	110	152	227	240	236
130	132	171	252	281	282
135	154	187	265	307	316
140	174	200	268	318	332
145	193	212	265	315	332
150	210	223	260	301	318
155	225	234	255	285	298
160	237	243	253	270	277
165	247	251	254	261	264
170	254	257	256	258	259
175	258	261	259	259	259
180	260	260	260	260	260

**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	1	1	1	1	1
95	8	11	13	11	11
100	20	29	36	32	30
105	34	52	67	61	57
110	51	78	105	97	91
115	69	104	152	140	135
120	89	130	191	190	184
125	110	152	227	240	236
130	132	171	252	281	282
135	154	187	265	307	316
140	174	200	268	318	332
145	193	212	265	315	332
150	210	223	260	301	318
155	225	234	255	285	298
160	237	243	253	270	277
165	247	251	254	261	264
170	254	257	256	258	259
175	258	261	259	259	259
180	260	260	260	260	260

**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	1	1	1	1	1
95	8	11	13	11	11
100	20	29	36	32	30
105	34	52	67	61	57
110	51	78	105	97	91
115	69	104	152	140	135
120	89	130	191	190	184
125	110	152	227	240	236
130	132	171	252	281	282
135	154	187	265	307	316
140	174	200	268	318	332
145	193	212	265	315	332
150	210	223	260	301	318
155	225	234	255	285	298
160	237	243	253	270	277
165	247	251	254	261	264
170	254	257	256	258	259
175	258	261	259	259	259
180	260	260	260	260	260

**Candela Distribution**

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	713	713	713	713	713
5	714	716	717	709	698
10	710	716	715	705	699
15	707	716	716	709	714
20	707	715	719	715	724
25	690	691	702	690	702
30	620	622	635	613	612
35	476	485	488	472	462
40	288	299	299	288	275
45	128	137	144	129	122
50	41	48	52	45	39
55	2	11	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	1	1	1	1	1
95	8	11	13	11	11
100	20	29	36	32	30
105	34	52	67	61	57
110	51	78	105	97	91
115	69	104	152	140	135
120	89	130	191	190	184
125	110	152	227	240	236
130	132	171	252	281	282
135	154	187	265	307	316
140	174	200	268	318	332
145	193	212	265	315	332
150	210	223	260	301	318
155	225	234	255	285	298
160	237	243	253	270	277
165	247	251	254	261	264
170	254	257	256	258	259
175	258	261	259	259	259
180	260	260	260	260	260

**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

Specifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](http://pinnacle-ltg.com) are the most recent version and supersede all other previously printed or electronic versions.

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EX1DI\_VEIL\_SPEC\_FEBRUARY2026



## Applications & Certificates

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

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

**Mounting:** Aircraft cablemount 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.

**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. TM-21-21 Lifetime Rating L70 = >60,000 hours, L90 = 49,400 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. 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 89°F/31°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), dual circuit (2), 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.