PINNACLE
ARCHITECTURAL LIGHTING®

5-3/4"
(146.1mm)

5" (127mm)
5-13/16" (147.6mm)

EDGE ET6

6" Recessed Linear EDGE Techx
for Integrated Ceiling Systems

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- Highly reflective die-formed white painted steel reflector
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed. IC rated
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 15lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant

BUY AMERICAN ACT COMPLIANT · LED · 5 YEAR LED WARRANTY · c UL us · IC RATED · DESIGNED IN DENVER CO.

Example Part #: ET6-HE-830HO-26'-G1-U-OL1-1-0-W

ET6

| ET6 - | SHIELDING | - | CRI, CCT & OUTPUT | - | LENGTH OR PATTERN | - | MOUNTING | - | VOLTAGE | - | DRIVER | - | CIRCUITING | - | BATTERY & EMERGENCY | - | FINISH | - | FIXTURE OPTIONS | - | CONTROLS |

SHIELDING	CRI, CCT & OUTPUT	LENGTH OR PATTERN¹	MOUNTING²
A - Satine Lens	**_27_ _** - 2700K	**_ _ -** Individual Fixture	**G1(G) -** 1" *(15/16")* T Bar
AL - Drop Lens	**_30_ _** - 3000K	**_ _ -** Continuous Row	**G9(G) -** 9/16" T Bar
R - Regress Lens	**_35_ _** - 3500K	**L _ x _ -** L Shape	**GB(G) -** 9/16" T Bar with Bevel Edge
V - Path Lens	**_40_ _** - 4000K	**U _ x _ -** U Shape	**GS(G) -** Screw Slot T Bar
Shielding pg. 2	**CL_ _ _ _ _ _ -** Custom Lumens	**R _ x _ -** Rectangle	*Mounting pg. 3*
	CW_ _ _ _ _ _ - Custom Watts	**S _ -** Square	
	Lumen Output pg. 2	**M -** Mod Layout	
		Length and Pattern pg. 2-3	
	*Example: 830HO is **8** = 80 CRI; **30** = 3000K; **HO** = High Output; Blank = Standard Output*		

VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY³
U - Universal	**FSD** - Factory Select Driver *(1%, 0-10v)*	**1** - Single Circuit	**0 -** None
(120 thru 277V)	**PL2** - Advance Xitanium *(1%, 0-10v)*	**M** - Multi Circuit	**_FSG** - Factory Select ALCR
1 - 120V	**OL4** - Osram 347v *(1%, 0-10v)*	**E** - Emergency	**_GI** - Iota ETS DR
2 - 277V	**EE1** - eldoLED ECOdrive *(1%, 0-10v)*	*(entire fixture)*	**_GB** - Bodine GTD
3 - 347V	**ES1** - eldoLED SOLOdrive *(0.1%, 0-10v)*	**N** - Night Light	**_P** - Bodine 10W
Voltage pg. 4	**LH1** - Lutron Hi-lume *(1%, EcoSystem)*	*(entire fixture)*	**_IC** - Iota 10W *(CEC Listed)*
	PS1 - Advance Xitanium *(50%/100%)*	*Circuiting pg. 5*	**_E** - Emergency Circuit Section
	OL2 - Osram *(1%, 0-10v)*		**_N** - Night Light Circuit Section
	Driver pg. 4		**_L** - Life Safety Circuit Section
			Battery and Emergency pg. 5

FINISH	FIXTURE OPTIONS	CONTROLS
W - White	**CP -** Chicago Plenum	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*
S - Metallic Silver	**FIL-** Field Cut Illuminated Extension	
BL - Textured Black	**MRF** - Fixed MR16 Halogen	
BR - Bronze	**LMRF -** Fixed MR16 LED	
GR - Graphite	**XLED -** Xicato LED	
CC - Custom Color	**MRA -** Adjustable MR16 Halogen	
Finish pg. 6	**LMRA -** Adjustable MR16 LED	
	DSP - Customer Supplied Battery/Driver/Sensor	
	GLR - Internal Fast Blow Fuse	
	Fixture Options pg. 6	

¹ Individual fixtures come in 2', 3', 4', 5', 6' & 8' lengths. Continuous row come in 1' increments. For Patterns, specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. ²Specify grid for individual or continuous length: G1, G9 & GS for continuous rows, G1G, G9G & GSG for individual lengths. ³ Enter quantity for Battery and Emergency, Example 2P.
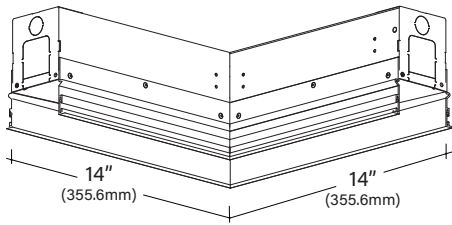
Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

Shielding

A	AL	R	V
Satine Lens	Drop Lens *Individual fixtures only*	Flat Regress	Path Lens *Individual fixtures only*
	1" (25.4mm)		1/4"

CRI, CCT & Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory

- 80 CRI = R9≥19 and 90 CRI = R9≥61

Custom Output- Lumens OR Wattage

CL_ _ _ _ _	Specify CRI, CCT and desired lumens (i.e. CL835500)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CW_ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW9407)	Specify watts between standard offering listed below

80 CRI

	Color	Output	Watts per foot	Shielding A Satine Lumens/ft	LPW	AL Drop Lumens/ft	LPW	R Flat Regress Lumens/ft	LPW	V Path Lumens/ft	LPW
830	3000K	Standard	4.6	411	88.9	469	101.4	411	88.9	398	85.9
830HO	3000K	High	8.7	752	86.9	866	100.1	752	86.9	734	84.9
835	3500K	Standard	4.6	423	91.5	483	104.3	423	91.5	409	88.4
835HO	3500K	High	8.7	774	89.4	890	102.9	774	89.4	755	87.3
840	4000K	Standard	4.6	431	93.2	492	106.3	431	93.2	417	90.1
840HO	4000K	High	8.7	788	91.1	907	104.9	788	91.1	770	89.0

90 CRI

	Color	Output	Watts per foot	Shielding A Satine Lumens/ft	LPW	AL Drop Lumens/ft	LPW	R Flat Regress Lumens/ft	LPW	V Path Lumens/ft	LPW
927	2700K	Standard	4.6	325	70.2	371	80.1	325	70.2	314	67.9
927HO	2700K	High	8.7	594	68.7	684	79.0	594	68.7	580	67.1
930	3000K	Standard	4.6	379	81.9	432	93.4	379	81.9	367	79.4
930HO	3000K	High	8.7	693	80.1	798	92.3	693	80.1	677	78.3
935	3500K	Standard	4.6	381	82.4	434	93.8	381	82.4	368	79.6
935HO	3500K	High	8.7	696	80.5	801	92.6	696	80.5	679	78.5
940	4000K	Standard	4.6	385	83.2	439	94.9	385	83.2	372	80.4
940HO	4000K	High	8.7	704	81.4	810	93.6	704	81.4	687	79.4

Length

- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

2	3	4	5	6	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run *Specify nominal overall row length to the 1/8"*

23" (584.2mm)
35" (889mm)
47" (1193.8mm)
59" (1498.6mm)
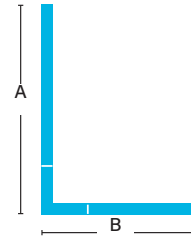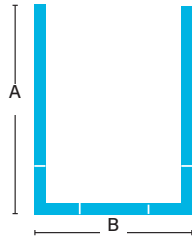71" (1803.4mm)
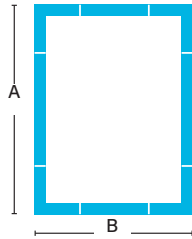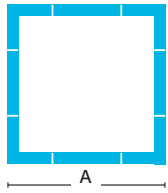95" (2413mm)
Specify to the 1/8"

Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 14"x14" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Not all drivers available with all patterns; consult factory
- Only Available with A lens

14"
(355.6mm)

14"
(355.6mm)

S_	R_x_	U_x_x_	L_x_	M
Square	Rectangle	U-Shape	L-Shape	ModLayout
Provide A dimension	*Provide AxB dimensions*	*Provide AxBxC dimensions*	*Provide AxB dimensions*	*For patterns or lengths not shown or standard*
Example: S4'	*Example: R4'x4'*	*Example: U3'x4'x3'*	*Example: L3'x3'*	
Nominal Length- 4'x4'	*Nominal Length- 4'x4'*	*Nominal Length- 3'x4'x3'*	*Nominal Length- 3'x3'*	
Minimum Length- 4'3"x4'3"	*Minimum Length- 4'3"x4'3"*	*Minimum Length- 3'1"x4'3"x3'1"*	*Minimum Length- 3'1"x3'1"*	

A, B (Square)

A, B (Rectangle)

A, B, C (U-Shape)

A, B (L-Shape)

Horizontal Details
14"
14"
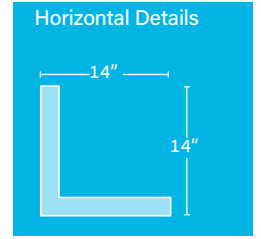
Mounting

- Specify G_G for individual, unjoinable units (individual units will fall on-grid)
- Specify G_, for continuous runs (runs designed to fall on-grid)
- All individual units cannot be joined, end trims are factory installed and cannot be removed

- Grid retention brackets integral to housing and require mechanical attachment
- Each housing contains 4 grid retention brackets
- Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted

G1G *Individual Unit*	G9G	GBG	GSG
G1 *Continuous Run or Pattern*	G9	GB	GS
1" (15/16") T-Bar	9/16" T-Bar *For tegular tile installations, fixture position will not be flush to the bottom of the tile*	9/16" T-Bar *Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile*	Screw Slot & 9/16" T-Bar *For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile*
Standard Tile	*Standard Tile*	*Tegular Tile*	*Tegular Tile*
Tegular Tile	*Tegular Tile*		*Tegular Tile*

Voltage

- Some ET6 configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

Driver

- Standard Driver Option = PL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some ET6 configurations will not accommodate all driver options; consult with factory

0-10V Drivers	
FSD	Factory Select Driver 1%, 0-10v
PL2	Signify Advance Xitanium 1%, 0-10v
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v
OL2	Osram Optotronic, 1%, 0-10v
OL4	Osram Optotronic 347v, 1% 0-10v, requires 347v option
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v Linear
ES1	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
EE3	eldoLED SOLOdrive .1%, DALI (logarithmic)
EE4	eldoLED SOLOdrive .1%, DALI (linear)
OD1	Osram Optotronic 1%, DEXAL
OD2	Osram Optotronic 1%, DALI 2 Channel
Lutron Drivers	
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only
Alternate Drivers	
PS1	Signify Advance Xitanium Step Dimming 50%/100%
EH1	ELV 120v only, 0-10v universal

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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568
ET6_LED_SPEC_JUNE2022   pg. 4

How to specify Circuiting, Battery and Emergency

1
- Select fixture circuiting from options below
- Some ET6 configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
E	Emergency Circuit only
N	Night Light Circuit only

2 + **3**
- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some ET6 configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency *If Required*

0	No battery or specific emergency section required

Battery

- Select battery section type if required, indicate total QTY. *Example 2P*
- 90 minute battery runtime; test button is remote
- No battery option available for 2' lengths
- Entire fixture housing is on battery for lengths up to 5'
- Half of fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_IC	Iota 10w Integral
_ILL	Iota 10w Integral Lithium, Self Testing
_IRH	Iota 20w Remote
_P	Bodine 10w Integral
_PLL	Bodine 10w Integral Lithium, Self Testing
_PRH	Bodine 20w Remote

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

Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

_FSG	Factory Select ALCR, Automatic Load Control Relay
_GI	Iota ETS DR, Emergency Lighting Control Device
_GB	Bodine GTD, Emergency Lighting Control Device
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

Battery OR Emergency Ordering Examples
- Single circuit, 10w Integral Battery   Ordering Code: 1-1P
- Emergency only, 10w Integral Battery   Ordering Code: E-1P
- Single circuit, GTD required   Ordering Code: 1-1G

Combination Section Ordering Examples
- Single circuit, (1) 10w battery, (1) emergency section   Ordering Code: 1-1P1E
- Multi circuit, (2) 10w battery, (2) emergency sections   Ordering Code: M-2P2E
- Single circuit, (1) night light section   Ordering Code: 1-1N

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.

Designed in Denver, CO ▪ USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

ET6_LED_SPEC_JUNE2022   pg. 5

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

W	White
S	Metallic Silver
BL	Textured Black
GR	Graphite
BR	Bronze
CC	Custom Color

Fixture Options

- Consult factory for MR16 configurations
- FIL has 2" min - 12" max length
- FIL Option angle range is 40° to 90°
- FIL Option is not IC rated

| CP	Chicago Plenum
FIL	Field Cut Illuminated Extension
MRF	Fixed MR16 Halogen
LMRF	Fixed MR16 LED
XLED	Xicato LED
MRA	Adjustable MR16 Halogen
LMRA	Adjustable MR16 LED
DSP	Customer Supplied Battery/Driver/Sensor
GLR	Internal Fast Blow Fuse

Controls

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

Photometrics

Satine Lens

Test #	ITL86394
Catalog #	ET6A-840-4
Lumens	1724 lm
Watts	18.5 W
Efficacy	93 LPW

631
473
315
158
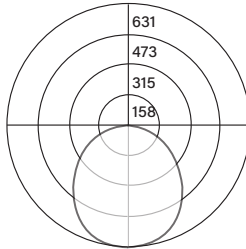
Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	631	631	631	631	631
5	627	627	627	627	627
10	619	616	616	616	615
15	602	598	599	599	596
20	582	575	578	575	574
25	553	546	548	545	543
30	521	514	516	512	508
35	483	476	477	473	470
40	442	436	436	432	429
45	399	393	393	389	386
50	354	350	348	344	343
55	308	304	303	300	298
60	261	257	256	254	253
65	213	211	209	207	207
70	167	165	163	162	162
75	121	119	118	118	118
80	78	77	76	75	75
85	38	37	37	36	36
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3722	3666	3599
55	3535	3477	3418
65	3321	3257	3225
75	3087	3009	3009
85	2851	2774	2697

For all available IES files, please visit our website at pinnacle-ltg.com. Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP accredited testing laboratory. Testing conducted at 25℃ ambient conditions

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.

Applications & Certificates

Construction: Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing. Highly reflective die-formed white painted steel reflector.

Shielding: Diffuse snap-in acrylic lens, removable for maintenance.

Mounting: EDGE Techx is designed for use with Integrated Ceiling Systems. Consult factory for detailed installation instructions or for use in conventional grid ceiling systems. Specify GXG for individual, unjoinable units (individual units will fall on-grid). Specify GX for continuous runs (runs designed to fall on-grid). Grid retention brackets are integral to housing. Each housing contains 4 grid retention brackets. Consult factory for detailed installation instructions. Maximum fixture weight is 15 lbs (per 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. All 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 = 135,200 hours and L90 = 40,300 hours. MacAdam 3-Step Ellipses. Not all products are Lighting Facts listed. For all available IES files, please visit our website at pinnacle-ltg.com.

CRI, CCT & Lumen Output: Two lumen packages available. Standard and High (HO). 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. 80 CRI = R9≥19 and 90 CRI = R9≥61.

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 Techx configurations will not accommodate all voltage options; consult with factory.

Driver: Standard Driver Option is Advance Xitanium 0-10V, 1% = PL2. 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 112°F/44°C. For more driver options, see Pinnacle Resource Guide. Some Techx configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit - For multiple circuiting and zone control, requires factory shop drawing (M), Emergency circuit (E) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some Techx 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 or for additional custom color and finish options.

MR16: Ideal for conference rooms, corridors, wall washing, retail spaces and training facilities where accent lighting is required. Fully enclosed compartment eliminates light from entering into our fixture areas. For LED and Halogen lamps (lamps are not included). Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v or 277v), 50 watt max halogen lamp transformer (120v or 277v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v dimmer must be sourced. Consult factory for MR16 configurations. Pinnacle's MR16 applications are to be used with Soraa lamps with a maximum of 13 transformers on one circuit.

Controls: Consult factory.

Labels: UL and cUL Listed. Standard and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: Maximum fixture weight is 15 lbs (per 4' fixture).

Buy American Act Compliant

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

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.

Designed in Denver, CO ▪ USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

ET6_LED_SPEC_JUNE2022

pg. 7