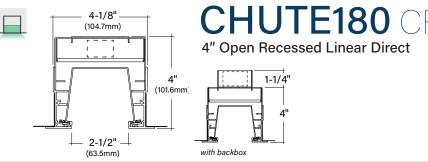
1-1/4"

Type \_







# **Key Features**

- Extruded aluminum trim with formed cold rolled 18 gauge steel housing and back box
- Room side maintenance for LED system
- Curved 180° Endcaps gives softer appearance Recessed with a 2 ½" fully luminous aperture
- Small, integral driver option for quick, easy installation
- Light Protection Guard (LPG) covers LEDs for optimal performance
- 5-year limited warranty covers LED, driver and fixture
- ETL listed conforming to UL 1598 in US and CSA 250 in Canada
- Buy American Act compliant













Example Part #: CRD-830HO-26'-SF-1-EL1-1-0-W-AE

CRD	-	-	- SF	-	-	-	-	-	- AE	-	-
HOUSING	CRI, CCT & OUTPUT	LENGTH	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	ENDCAP	FIXTURE OPTIONS	CONTROLS

		SF	
CRI, CCT & OUTPUT <sup>1</sup>	LENGTH <sup>2</sup>	MOUNTING	VOLTAGE
_27 2700K _30 3000K _35 3500K _40 4000K CL Custom Lumens CW Custom Watts CRI, CCT & Output pg. 2	Individual Fixture Continuous Row Length pg. 2	<b>SF -</b> Spackle Flange Mounting pg. 3	<b>U -</b> Universal (120 thru 277V) <b>1 -</b> 120V <b>2 -</b> 277V <b>3 -</b> 347V Voltage pg. 3

	_		
DRIVER	CIRCUITING	BATTERY & EMERGENCY <sup>3</sup>	FINISH
4" Housing  EL1 - ERP Power (1%, 0-10v, 120v or 277v)  Housing with Backbox  FSD - Factory Select Driver (1%, 0-10v)  PL2 - Advance Xitanium (1%, 0-10v)  OL2 - eldoLED Optotronic (1%, 0-10v)  OL4 - eldoLED Doptotronic 347v (1%, 0-10v)  EE1 - eldoLED ECOdrive (1%, 0-10v)  ES1 - eldoLED SOLOdrive (0.1%, 0-10v)  LH1- Lutron Hi-lume (1%, EcoSystem)  Driver pg. 3	1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) Circuiting pg. 4	0 - None _FSB - Factory Select Battery _FSG - Factory Select ALCR _GI - lota ETS DR _GB - Bodine GTD _ILL - lota 10W _PLL - Bodine 10W Battery & Emergency pg. 4	<b>W -</b> White Finish pg. 4

AE		
ENDCAP	FIXTURE OPTIONS	CONTROLS
<b>AE -</b> Arc 180° Endcap Finish pg. 4	CP - Chicago Plenum DSP - Customer Supplied Battery/Driver/ Sensor FW6 - 6' Flew Whip Fixture Options pg. 5	Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

When specifying CRI, CCT & OUTPUT the first \_ is for specifying either 8 - 80CRI, 9 - 90CRI The ending \_ are for specifying output, example HO - High Output. 2Individual fixtures come in 2, 3, 4, 5, 6, 7' & 8' lengths. Continuous row come in 1' increments. <sup>3</sup>Enter quantity for Battery and Emergency, Example 2FSB.

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.



# CRI, CCT & Output

90 CRI = R9≥50

Cuetom	Output	Lumon	c OR W	ottago	
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 ar	nd desired	wattage (i.e. CW9407)	Specify watts between standard offering listed below
80 CRI					
	Color	Output <sup>1</sup>			
			1.54	l	
	000016	Lumens/ft	LPW	Watts/ft	
830	3000K	500	115	4.3	
830HO	3000K	750	116	6.5	
830VHO	3000K	1000	116	8.6	
835	3500K	500	123	4.1	
835HO	3500K	750	124	6.0	
835VHO	3500K	1000	125	8.0	
840	4000K	500	128	3.9	
840HO	4000K	750	128	5.9	
840VHO	4000K	1000	128	7.8	
90 CRI (/c	onger lead time	s may apply, co	onsult factory)		
927	2700K	500	97	5.2	
927HO	2700K	750	97	7.7	
927VHO	2700K	1000	100	10.0	
930	3000K	500	105	4.8	
930HO	3000K	750	105	7.1	
930VHO	3000K	1000	106	9.4	
935	3500K	500	110	4.6	
935HO	3500K	750	110	6.8	
935VHO	3500K	1000	111	9.0	
940	4000K	500	107	4.7	
940HO	4000K	750	107	7.0	
940VHO	4000K	1000	108	9.3	

LPW and watts/ft based off 48" fixture size.

# Length

- Individual units cannot be joined, end plates are factory installed and cannot be removed
   Each endcap increases overall length by 2" (4" per pair)
- Continuous rows are made up of even and odd lengths



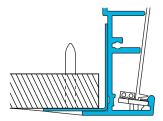
Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions. Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570

CRD\_LED\_SPEC\_AUGUST2025 pg. 2



- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Designed to install into inaccessible ceilings
  Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted

Drywall, Flangeless Detail Flange to Flange: 6" (152.4mm)



# Voltage

- Some CHUTE configurations will not accommodate all voltage options; consult with factory
- For EL1 driver, must specify 120v or 277v

U	Universal
1	120 volt
2	277 volt
3	347 volt

## Driver

- Standard Driver Option = EL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options, see Pinnacle Resource Guide
- Some CHUTE configurations will not accommodate all driver options; consult with factory
- Backbox necessary for all drivers OTHER THAN the EL1

4" Housing					
EL1	ERP Power 1%, 0-10v, requires 120 or 277				
Housing wi	th Back Box				
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	eldoLED Optotronic, 1%, 0-10v				
OL4	eldoLED 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, 0.1% Linear				
<b>DALI Drivers</b>					
EE3	eldoLED ECOdrive .1%, DALI (logarithmic)				
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)				
OD1	eldoLED Optotronic 1%, DEXAL				
<b>Lutron Drivers</b>	Lutron Drivers				
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1				
<b>Alternate Driv</b>	Alternate Drivers				
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

CRD\_LED\_SPEC\_AUGUST2025 pg. 3

# How to specify Circuiting, Battery and Emergency



- Select fixture circuiting from options below
- Some CHUTE 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



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

## Battery and/or Emergency If Required

No battery or specific emergency required

### **Battery**

- Select battery section type if required, indicate total QTY. Example 2PL
- 90 minute battery runtime; test button is remote to fixture
- No battery option available for 2' lengths
- Battery operates full length of housing up to 8' on individual fixtures or within continuous row
- For more battery options available, see Pinnacle Resource Guide

0	No Battery		
_FSB	Factory Select Battery Integral (10w)		
_FSBST Factory Select Battery Integral (10w, Self Testing)			
_ILL lota Integral (10w, Lithium, Self Testing)			
_IRC Iota Remote with Conduit (10w)			
_PLL Bodine Integral (10w, Lithium, Self Testing)			
PRD	Bodine Remote with Conduit (10w, Dual Flex)		

#### 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 Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Control Device, UNV
_GB	Bodine GTD, Emergency Control Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
L	Life Safety circuit section NO THROUGH WIRE

### **Battery OR Emergency Ordering Examples**

Ordering Code: 1-1PLL Single circuit, 10w Battery Ordering Code: E-1PLL Emergency only, 10w Battery Single circuit, GTD required Ordering Code: 1-1GB

#### **Finish**

Standard powder-coat textured white finish; consult factory for chip of standard paint finishes

W		W	hi	te

# **Endcap**

AE	Arc 180°	Endcar

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

pg. 4 CRD\_LED\_SPEC\_AUGUST2025

# **Fixture Options**

Additional options to enhance the fixture and finish of the product

CP	Chicago Plenum			
DSP	Customer Supplied Battery/Driver/Sensor			
FW6	6' Flex Whip			

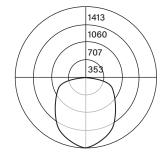
#### Controls

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

### **Photometrics**

#### Open

Test # ITL93073 CRD-835VHO-4 Catalog # Lumens 3983 lm Watts 30.7 W Efficacy 130 LPW



#### Candela Distribution

Vert Angle	Horizontal Angle						
	0	22.5	45	67.5	90		
0	1411	1411	1411	1411	1411		
5	1410	1394	1397	1393	1386		
10	1395	1369	1360	1347	1337		
15	1369	1332	1311	1292	1280		
20	1335	1285	1256	1228	1215		
25	1289	1229	1191	1157	1141		
30	1234	1164	1117	1075	1055		
35	1169	1093	1037	986	964		
40	1095	1014	946	891	869		
45	1010	927	850	798	782		
50	918	833	751	722	716		
55	816	733	661	656	656		
60	709	627	585	598	603		
65	593	521	517	545	552		
70	476	421	456	492	500		
75	357	341	397	427	428		
80	235	272	322	299	272		
85	121	193	111	61	46		
90	31	60	40	18	0		

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

Angle In	Average	Average	Average
Degrees	0-Deg	45-Deg	90-Deg
45	17498	8801	7048
55	17058	7119	5990
65	16247	5991	5270
75	14843	5147	4422
85	11127	1692	536

## **Applications & Certificates**

Construction: Extruded aluminum rails and formed cold-rolled 18 gauge steel housing. Highly reflective co extruded acrylic reflector with LED protection guard.

Mounting: Chute 180 Recessed is intended for drywall ceilings and features a spackle flange for seamless, trimless installation. Consult factory for detailed installation instructions. Maximum fixture weight is 15lbs 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. 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 = 146,500 hours and L90 = 45,000 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: 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 CHUTE configurations will not accommodate all voltage options; consult with factory.

Driver: Standard integral Driver Option is EL1. All other driver options will be in driver backbox. EL1 designed for use with 120v or 277v only. 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 81°F/27°C, preliminary using 4" data. When ND is specified, a spec grade driver will be provided. For more driver options, see Pinnacle Resource Guide. Some CHUTE 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), Life Safety (L) 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 CHUTE 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 painted finish; consult factory for additional custom color and finish options.

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

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

### **Buy American Act Compliant**

Warranty: CHUTE 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

pg. 5 CRD\_LED\_SPEC\_AUGUST2025