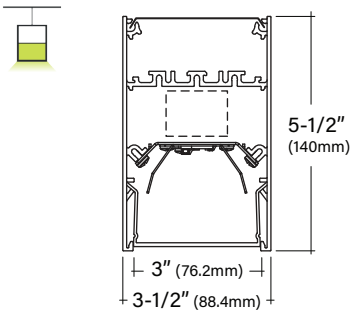
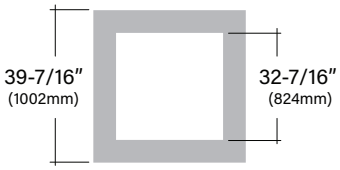
PINNACLE
ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____





QIVI™ Q3S-33D

3′ x 3′ Direct Architectural Shape

Key Features

- 6063-T6 Extruded aluminum housing
- Highly reflective = white painted reflector
- Room side maintance for LED system
- 5-year limited warranty covers LED, driver and fixture
- UL and cUL listed
- Approved for dry/damp location unless otherwise noted
- Maximum weight is 46.8 lbs.
- Buy American Act compliant

Example Part #: Q3S-33D-A-N-830HO-AC448JB-U-OL2-1-0-W

Q3S-33D - [ ] - **N** - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

DIRECT SHIELDING	INDIRECT SHIELDING	CRI, CCT & OUTPUT	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS

__	N	_____	_____
DIRECT SHIELDING	**INDIRECT SHIELDING**	**CRI, CCT & OUTPUT**	**MOUNTING**[1]
A - Flat Satine Lens **HE** - High Efficiency Lens **HED** - Descent Lens *Shielding pg. 2*	**N** - None *Shielding pg. 2*	**_27__** - 2700K **_30__** - 3000K **_35__** - 3500K **_40__** - 4000K **CL_____** - Custom Lumens **CW_____** - Custom Watts *Lumen Output pg. 2* *Example: 830HO is **8** = 80 CRI; **30** = 3000K; **HO** = High Output; Blank = Standard Output*	**AS4____** - 4 AC to Grid, JB, or ST **AH4____** - 4 AC w/hub to Grid, JB, or ST *Mounting pg. 3*

_	___	_	___
VOLTAGE	**DRIVER**	**CIRCUITING**	**BATTERY & EMERGENCY**
U - Universal *(120 thru 277V)* **1** - 120V **2** - 277V **3** - 347V *Voltage pg. 3*	**FSD** - Factory Select Driver *(1%, 0-10v)* **PL2** - Advance Xitanium *(1%, 0-10v)* **OL4** - Osram 347v *(1%, 0-10v)* **EE1** - eldoLED ECOdrive *(1%, 0-10v)* **ES1** - eldoLED SOLOdrive *(0%, 0-10v)* **LH1**- Lutron Hi-lume *(1%, EcoSystem)* **PS1** - Advance Xitanium *(50%/100%)* **OL2** - Osram *(1%, 0-10v)* *Driver pg. 4*	**1** - Single Circuit **E** - Emergency *(entire fixture)* **N** - Night Light *(entire fixture)* *Circuiting pg. 4*	**0** - None **_FSG** - Factory Select ALCR **_GI** - Iota ETS DR **_GB** - Bodine GTD **_PLL** - Bodine 10W **_ILL** - Iota 10W Integral *(CEC Listed)* **1G** - Bodine GTD *Battery and Emergency pg. 4*

__	____	
FINISH	**FIXTURE OPTIONS**	**CONTROLS**
W - White **S** - Metallic Silver **BL** - Textured Black **BR** - Bronze **GR** - Graphite **CC** - Custom Color *Finish pg. 4*	**AM** - Antimicrobial Paint **GMF** - Slow Blow Fuse **CC-C** - Custom Color Canopy *Fixture Options pg. 5*	*Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.*

[1]Example: AS448JB. AS4 = 4 Aircraft Cables, 48 = 48" long cables, JB = connects to junction box. Standard AC cable lengths are 48" and 120", field adjustable.

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.

Direct Shielding

A	HE	HED
Satine Lens	High Efficiency	Descent

Indirect Shielding

N
None

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	Lumens	Shielding					
			A Satine		**HE** High Efficiency		**HED** Descent	
			LPW	*Watts*	*LPW*	*Watts*	*LPW*	*Watts*
830	3000K	6000	87.7	68.4	100.0	60.0	80.6	74.4
830HO	3000K	9000	85.2	105.6	97.4	92.4	79.8	112.8
830VHO	3000K	12000	84.7	141.6	97.1	123.6	76.3	157.2
835	3500K	6000	90.9	66.0	102.0	58.8	82.0	73.2
835HO	3500K	9000	88.2	102.0	100.0	90.0	78.9	114.0
835VHO	3500K	12000	87.0	138.0	99.0	121.2	77.5	154.8
840	4000K	6000	92.6	64.8	104.2	57.6	82.0	73.2
840HO	4000K	9000	89.3	100.8	101.4	88.8	80.6	111.6
840VHO	4000K	12000	87.7	136.8	100.0	120.0	78.1	153.6

90 CRI

927	2700K	6000	74.6	80.4	82.0	73.2	67.6	88.8
927HO	2700K	9000	73.5	122.4	80.6	111.6	66.4	135.6
930	3000K	6000	75.8	79.2	84.7	70.8	69.4	86.4
930HO	3000K	9000	75.8	118.8	83.3	108.0	68.2	132.0
935	3500K	6000	78.1	76.8	87.7	68.4	70.4	85.2
935HO	3500K	9000	77.3	116.4	85.2	105.6	70.1	128.4
940	4000K	6000	76.9	78.0	86.2	69.6	70.4	85.2
940HO	4000K	9000	77.3	116.4	85.2	105.6	69.4	129.6

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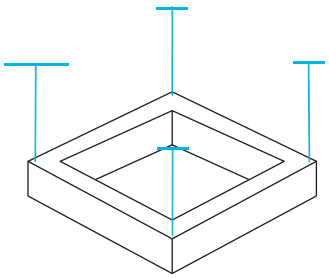
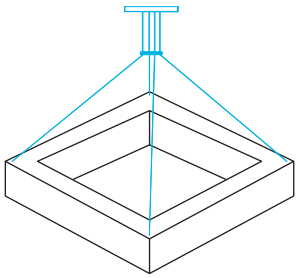
Mounting

- Aircraft cables mount directly to a standard junction box or structure
- Canopies, hubs, and pendants match fixture finish, power cords are white, grey, or black depending on fixture finish. See Finish section for additional details
- AC canopies can be installed below the ceiling plane or semi-recessed into the ceiling for a flush mount installation, no specification required (see below)
- Must specify cable length, either 48" or 120" standard, field adjustable
- Designed to install into acoustical grid and inaccessible ceilings
- Tie off fixture to structure with retention wires
- Maximum fixture weight is 46.8 lbs

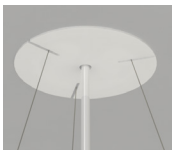
AS4___JB	**AH4___JB**
4 AC cables to fixture to J-Box	4 AC cables with hub to fixture to J-Box
AS4___ST	**AH4___ST**
4 AC cables to fixture to Structure	4 AC cables with hub to fixture to Structure





AH4 Canopy Options

- The canopy can be installed either below the ceiling plane or semi-recessed into the ceiling for a flush mount installation
- Standard kit can be installed either way
- Flush canopy installation is not available for fixtures installed below a grid rail



Voltage

- Some QIVI 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 QIVI 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% 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

Circuiting

- Select fixture circuiting from options below
- Some QIVI configurations will not accommodate all circuiting options; consult with factory

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

Battery

- Select battery section type if required, indicate total QTY. *Example 2P*
- 90 minute battery runtime; test button is remote to fixture and requires an additional drop
- For more battery options available, see Pinnacle Resource Guide

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

0	No battery
_FSG	Factory Select ALCR, Automatic Load Control Relay
_GI	Iota ETS DR, Emergency Lighting Control Device
_GB	Bodine GTD, Emergency Lighting Control Device
_PLL	Bodine 10w Integral Lithium *(self testing)*
_ILL	Iota 10w Integral Lithium *(self testing)*
1G	Bodine GTD, Genertor Transfer Device

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

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 *(white cord/white canopy)*
S	Metallic Silver *(grey cord/silver canopy)*
BL	Textured Black *(black cord/black canopy)*
BR	Bronze *(white cord/bronze canopy)*
GR	Graphite *(white cord/graphite canopy)*
CC	Custom Color *(white cord/color match canopy)*

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Fixture Options

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

AM	Antimicrobial Paint
GMF	Internal Slow Blow Fuse
CC-C	Custom Color Canopy

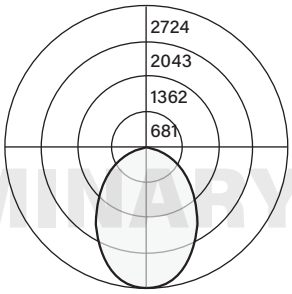
Controls

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

Photometrics

High Efficency Lens

Test #	PRELIMINARY
Catalog #	Q3S-33D-840
Lumens	6000 lm
Watts	57.6 W
Efficacy	104 LPW



PRELIMINARY

Approvals & Certifications

Construction: 6063-T6 Extruded aluminum housing. Highly reflective steel white painted reflector.

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

Mounting: Designed to install into acoustical grid and inaccessible ceilings. Tie off fixture to structure with retention wires. Maximum fixture weight is 46.8 lbs

LED: 25ºC test environment. Lumen output/wattage has a margin of +/- 5%. 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. L70 = 136,200 hours and L90 = 41,100 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 & 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 QIVI 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 120°F/49°C. For more driver options, see Pinnacle Resource Guide. Some QIVI configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), 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 QIVI 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: Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

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

Fixture Weight: Maximum fixture weight is 46.8 lbs.

Buy American Act Compliant

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