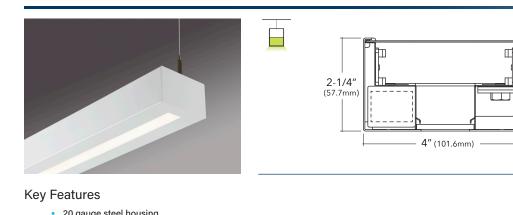
Р C L E ARCHITECTURAL

Date _

_ Туре _

TESA Suspended Linear





- 20 gauge steel housing
- Highly reflective die-formed white painted steel reflector
- 14 gauge steel end caps are fastened with concealed hardware
- 5-year limited warranty that covers LED, driver and fixture
- UL and cUL Listed .
- Approved for dry/damp location
- Maximum fixture weight is 15 lbs per standard 4' fixture •
- Room-Side Maintenance for LED system .
- . Buy American Act compliant









Example Part #: T4A-835VHO-16'-AC48G1-U-OL2-1-0-W

HOUSING	CRI, CCT & OUTPUT	LENGTH	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS
T4A	-		-					-	-

T4A							
HOUSING	CRI, CCT & OUTPUT QS1	LENGTH ²	MOUNTING				
T4A - Tesa with Satine lens QS, (10% Direct / 90% Indirect)	_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; H0 = High Output; Blank = Standard Output	Individual Fixture QS, Continuous Row QS, Length and Pattern pg. 2	ACG AC to Grid Q ACJB - AC to J Box Q ACST - AC to Structure Q ACST - AC to Structure Q AC5G 5" Non-Power Canopy AC5JB - 5" Non-Power Canopy SQG 5" Square Canopy SQJB - 5" Square Canopy Mounting pg. 3				
	-		-				
VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY ³				
U - Universal QS, (120 thru 277V) 1 - 120V QS, 2 - 277V QS, 3 - 347V Voltage pg. 3	FSD - Factory Select Driver (1%, 0-10v) QS_{\bullet} PL2 - Advance Xitanium (1%, 0-10v) QS_{\bullet} OL2 - Osram (1%, 0-10v) QS_{\bullet} OL4 - Osram 347v (1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) Driver pg. 3	 1 - Single Circuit QS, M - Multi Circuit E - Emergency (entire fixture) QS, N - Night Light (entire fixture) QS, L - Life Safety (entire fixture) Circuiting pg. 3 	0 - No Battery QS, PLL - Bodine 10w Integral Lithium PRD - Bodine 10W (<i>remote</i>) PRH - Bodine 20W (<i>remote</i>) IRC - lota 10W (<i>remote</i>) IRH - lota 20W (<i>remote</i>) Battery and Emergency pg. 3				

FINISH	FIXTURE OPTIONS ⁴
W - White QS, S - Metallic Silver QS, BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 4</i>	QS - QuickShip Q DSP - Customer Supplied Battery/Driver/ Sensor <i>Fixture Options pg.</i> 4

¹For Quickship CRI, CCT & Output see chart on page 4 ²Individual fixtures come in 4' and 8' lengths. Specify continous rows in 4' increments. ³Remote Battery must be installed within 16' of driver. ⁴QS must be used in fixture options section of part number to quilify.

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CRI, CCT & Output

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

• 90 CRI = R9≥50

 Longer le 	ad-ume ma	iy apply for s	90 CRI. CO	onsult lact	ory
Custom	Outpu	t - Lum	ens O	R Watt	age
CL					ens (i.e. CL835500) Specify lumens between standard offering listed below. Lumens are specified per color temp
CW					aqe (i.e. CW9407) Specify wattes between standard offering listed below
	_ Specify				Age (i.e. C W 3407) Specify watts between standard unering issee below
80 CRI					
	Color	Lumens	Shield	ina¹	
		per foot	A	5	
			Satine		
			LPW	Watts/ft	
830LO	3000K	400	100.6	4.0	
830MO	3000K	750	106.0	7.1	
830HO	3000K	1000	107.2	9.3	
830VHO	3000K	1250	106.6	11.7	
835LO	3500K	400	105.3	3.8	
835MO	3500K	750	107.1	7.0	
835HO	3500K	1000	111.1	9.0	
835VHO	3500K	1250	108.7	11.5	
840LO	4000K	400	111.1	3.6	
840MO	4000K	750	108.7	6.9	
840HO	4000K	1000	111.1	9.0	
840VHO	4000K	1250	111.6	11.2	
90 CRI					
927LO	2700K	400	78.8	5.1	
927MO	2700K	750	85.2	8.8	
927HO	2700K	1000	83.9	11.9	
927VHO	2700K	1250	80.1	15.6	
930LO	3000K	400	83.3	4.8	
930MO	3000K	750	90.4	8.3	
930HO	3000K	1000	88.7	11.3	
930VHO	3000K	1250	85.5	14.6	
935LO	3500K	400	86.0	4.7	
935MO	3500K	750	89.8	8.4	
935HO	3500K	1000	92.0	10.9	
935VHO	3500K	1250	88.3	14.2	

940VHO Length

940LO

940MO

940HO

4000K

4000K

4000K 1000

4000K 1250

400

750

All individual units cannot be joined, end trims are factory installed and cannot be removed

4.7

8.5

11.0

14.4

Add 1/16" for each end cap or 1/8" to the overall length of the row •

85.1

88.8

90.7

87.1

. Choose fixture length for Individual or Continuous Row length

4	8		-	
Individual Fixture	Individual Fixture		Continuous Run	
48" (1219.2mm)			Specify nominal overall row length to the 4'	
		96" (2438.4mm)		
			Specify in 4' increments	
Connection Detail				

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Mounting

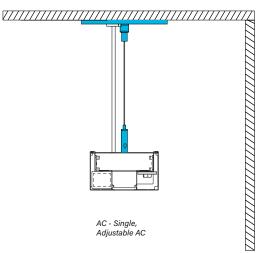
- Specify cable length in ordering code (AC48G1)
- Standard 48" adjustable cable. Specify up to 350"
- Adjustable aircraft cable mounts on 4'-0" (1219.2mm) and 8'-0" (3438.4mm) centers
- End trims and power cord attached at factory
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies
 Canopies, hubs, and pendants match fixture finish, power cords are white, grey, 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 15 lbs. per 4' fixture

ACG1	1" (15/16") T-Bar
ACG9	9/16" T-Bar
ACGS	Slotted T-Bar Works with screw slot and bolt slot grid ceiling types
ACJB	Junction Box
ACST	Structure
AC5G_	5" (127mm) Non-Power Canopy Replaces standard 2" canopy
AC5JB	5" (127mm) Non-Power Canopy Replaces standard 2" canopy
SQG_	5" (127mm) Square Canopy Replaces round canopies with 5" square canopies
SQJB	5" (127mm) Square Canopy Replaces round canopies with 5" square canopies

Voltage

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

U	Universal (120-277)
1	120 volt
2	277 volt
3	347 volt



Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
 Some Tesa configurations will not accommodate all driver options; consult with factory

0-10V Drivers							
FSD	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							
DALI Drivers							
OD1 Osram Optotronic 1%, DEXAL							
OD2	Osram Optotronic 1%, DALI 2 Channel						
Lutron Driver	s						
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1						
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only						

Circuiting

Select fixture circuiting from options below

Some Tesa configurations will not accommodate all circuiting options, consult with factory

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

Battery

Select battery section type if required, indicate total QTY. Example 2BRH

- 90 minute battery runtime; test button is remote
- Entire fixture is on battery for 4' lengths
- Half of fixture is on battery for 8' housing lengths
- Battery requires additional power drop

0	No Battery
1PLL	Bodine 10w Integral Lithium, Self Testing
1PRD	Bodine 10w Remote, Dual Flex
1PRH	Bodine 20w Remote
1IRC	lota 10w Remote
1IRH	lota 20w Remote

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- 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)

Fixture Options

Additional options to enhance the fixture and finish of the product

QS	Quick Ship												
DSP	Customer Supplied	l Battery/Drive	r/Sensor										
Quick Ship)												
Shielding CRI, CCT & Output Mounting Voltage Driver Circuiting Battery									Fir	Finish			
10-Day													
A	80 CRI, all color tem- peratures, all lumen packages <i>See pg 2</i>	AC48G_ AC48JB AC48ST	(M)AC to Grid (M)AC to J-BOX (M)AC to Structure	U 1 2	Universal (120-277) 120V 277V	PL2	Factory Select Driver (1%, 0-10v) Advance Xitanium 0-10v, 1% Osram 0-10v, 1%	1 E N	Single Circuit Emergency Night Light	0	None	W S	White Silve

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Consult factory for larger projects.

Photor	netrics		Can	Candela Distribution						Luminance Data (cd/sq.m)			
Satine Lens		1442	Vert Horizontal Angle Angle					Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg		
Test #	Scaled from ITL90271			0	22.5	45	67.5	90		3450	3450	3410	
Catalog #	T4A-840VHO-4	1081	0	127	127	127	127	127	45 55	3335	3335	3286	
-			5	127	127	127	127	127	65	3148	3148	3083	
Lumens	5000 lm		15	122	122	123	123	122	75	2677	2677	2677	
Watts	44.8 w		25	114	113	114	114	113	75 85	1590	1908	1908	
Efficacy	111.6 lm/w	360	35	103	102	102	102	101					
			45	86	86	86	86	85					
			55	67	67	67	66	66					
			65	47	47	47	46	46					
			75	24	25	24	24	24					
			85	5	6	6	6	6					
			90	0	0	0	0	0					
			95	29 169	57	70 477	66 497	65 525					
			105 115	341	343 619	920	1047	1105					
			125	496	771	1116	1332	1403					
			125	622	856	1116	1352	1403					
			145	719	892	1135	1293	1346					
			155	789	896	1074	1185	1223					
			165	832	880	974	1040	1064					
			175	851	858	873	886	891					
			180	853	853	853	853	853					

Approvals & Certifications

Construction: One piece die-formed 20 gauge steel housing in a 4" (101.6mm) by 2-1/4" (57.7mm) profile Standard 4'-0" (1219.2mm) and 8'-0" (3438.4mm) fixtures can be joined to create continuous runs. Standard high reflectance die-formed white painted aluminum.

Shielding: White satine lens with matte finish. Clear dust guard is standard with fixture.

Mounting: Adjustable aircraft cable mounts on 4'-0" (1219.2mm) and 8'-0" (3438.4mm) centers. Available in single or dual aircraft cable. Refer to installation instructions for appropriate ceiling detail. Maximum fixture weight is 15 lbs. per 4' fixture.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%. 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. MacAdam 3-Step Ellipses. 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. 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 Tesa 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 35% Direct: -20°F/-30°C to 106°F/41°C.

Ambient operating range 75% Direct: -20°F/-30°C to 124°F/51°C. Ambient operating range 100% Direct: -20°F/-30°C to 122°F/50°C. For more driver options, see Pinnacle Resource Guide. Some Tesa configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Multi circuit (M), Emergency circuit (E), Night Light circuit (N) or Life Safety (L). 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 Tesa 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 integral 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.

Labels: UL and cUL 1598 listed. Approved for dry/damp location unless otherwise noted.

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

Buy American Act Compliant

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

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