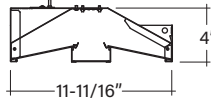




TRAVERSE TR14

1x4 Architectural Recessed



Key Features

- Three-piece luminous lens design offers elevated style and visual comfort
- White or Silver center rails
- Up to 6800 delivered lumens (1x4) with 80CRI or 90CRI options
- High performance efficacy up to 142 lumens per watt
- Lift and shift lenses allow for easy room-side maintenance
- Multiple integrated control options for enhanced energy savings
- 5-year limited warranty



Example Part #: TR14-W-830HO-G1-U-FSD-1-0-W

TR14



SHIELDING	SOURCE ¹ QS	MOUNTING	VOLTAGE
W - Satine Lens with White Rails QS S - Satine Lens with Silver Rails <i>Shielding pg. 2</i>	27 ___ - 2700K 30 ___ - 3000K 35 ___ - 3500K 40 ___ - 4000K CL _____ - Custom Lumens CW _____ - Custom Watts <i>Lumen Output pg. 2</i>	G1 - 15/16" Grid QS G9 - 9/16" Grid QS GS - Screw Slot Grid QS FL - Flanged <i>Mounting pg. 3</i>	U - Universal (120 thru 277V) QS 1 - 120V QS 2 - 277V QS 3 - 347V <i>Voltage pg. 3</i>
DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH
FSD - Factory Select Driver (1%, 0-10v) QS PL2 - Advance Xitanium (1%, 0-10v) QS OL2 - eldoLED Optotronic (1%, 0-10v) QS OL4 - eldoLED Optotronic 347v (1%, 0-10v) OL5 - eldoLED Optotronic (1%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) EE2 - eldoLED ECOdrive (1%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PR1 - Advance Xitanium SR <i>Driver pg. 4</i>	1 - Single Circuit QS E - Emergency QS <i>(entire fixture)</i> N - Night Light QS <i>(entire fixture)</i> <i>Circuiting pg. 4</i>	0 - None QS FSB - Factory Select Battery QS FSG - Factory Select ALCR G1 - Iota ETS DR GB - Bodine GTD 1ILL - Iota 10W, Lithium, Self Testing QS 1PLL - Bodine 10W, Lithium, Self Testing QS <i>Battery and Emergency pg. 4</i>	W - White QS <i>Finish pg. 5</i>
FIXTURE OPTIONS ²	CONTROLS ³		
QS - QuickShip QS TW - Through-wiring CP - Chicago Plenum QS AR - Air Return AM - Antimicrobial Paint FW6 - 6' Flex Whip QS <i>Fixture Options pg. 5</i>	DLMFC - Wattstopper DLM (wired) DLMFS - Wattstopper LLLC (wireless) SNSLM - Encelium SensiLUM (wireless) LEVIS0 - Leviton Intellect Sensor (wireless) ENL - Enlighted IOT (wireless) ENL2 - Enlighted 2-Wire IOT (wireless) <i>Control Options pg. 6</i>		

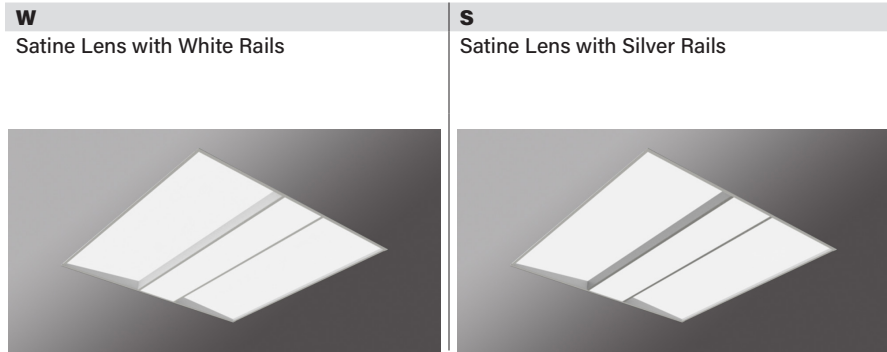
¹When specifying SOURCE the first _ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending __ are for specifying output, example HO - High Output. See output charts for more information. ²If specifying QS, QS must be used in fixture options section of part number to qualify. ³Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 5 for driver options and more information.

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

- Three piece acrylic diffuse lens
- Fully luminous housing with optimal glare control
- Highly reflective white reflectors maintain uniform lens brightness



Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

Custom Output- Lumens OR Wattage

CL _____	Specify CRI, CCT and desired lumens (i.e. CL8351200)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CW _____	Specify CRI, CCT and desired wattage (i.e. CW94015)	Specify watts between standard offering listed below

80 CRI

	Color	Output	Watts	Shielding			
				W White Trim		S Silver Trim	
				Lumens	LPW	Lumens	LPW
830LO	3000K	Low	15.7	2155	137	2047	130
830MO	3000K	Middle	23.9	3234	135	3072	129
830HO	3000K	High	33.7	4482	133	4257	126
830VHO	3000K	Very High	51.8	6664	129	6331	122
835LO	3500K	Low	15.7	2164	138	2056	131
835MO	3500K	Middle	23.9	3248	136	3085	129
835HO	3500K	High	33.7	4500	134	4275	127
835VHO	3500K	Very High	51.8	6692	129	6357	123
840LO	4000K	Low	15.7	2222	142	2111	134
840MO	4000K	Middle	23.9	3335	140	3168	133
840HO	4000K	High	33.7	4621	137	4390	130
840VHO	4000K	Very High	51.8	6871	133	6528	126

90 CRI

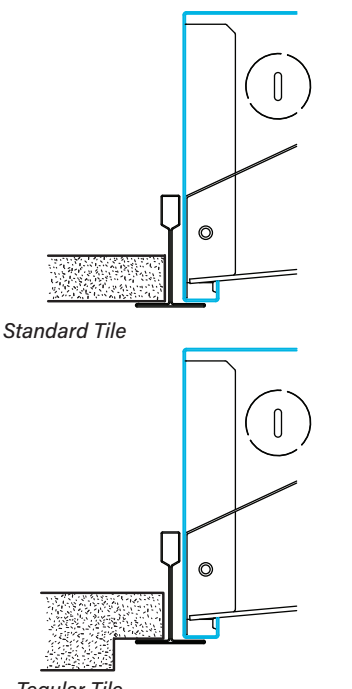
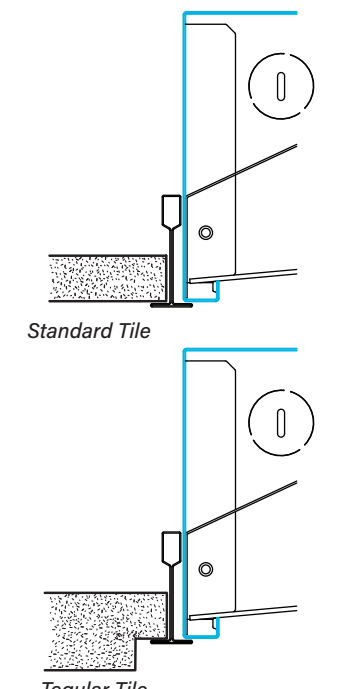
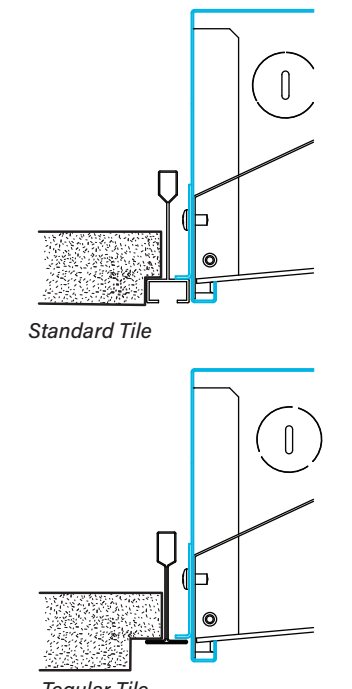
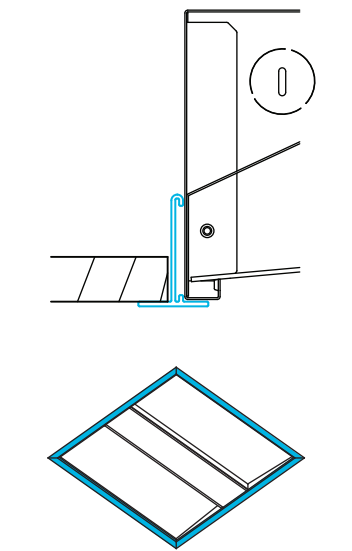
927LO	2700K	Low	15.7	1787	114	1698	108
927MO	2700K	Middle	23.9	2682	112	2548	107
927HO	2700K	High	33.7	3716	110	3531	105
927VHO	2700K	Very High	51.8	5526	107	5250	101
930LO	3000K	Low	15.7	1830	117	1739	111
930MO	3000K	Middle	23.9	2747	115	2610	109
930HO	3000K	High	33.7	3807	113	3617	107
930VHO	3000K	Very High	51.8	5661	109	5378	104
935LO	3500K	Low	15.7	1910	122	1815	116
935MO	3500K	Middle	23.9	2867	120	2724	114
935HO	3500K	High	33.7	3973	118	3774	112
935VHO	3500K	Very High	51.8	5907	114	5612	108
940LO	4000K	Low	15.7	1961	125	1863	119
940MO	4000K	Middle	23.9	2943	123	2796	117
940HO	4000K	High	33.7	4078	121	3874	115
940VHO	4000K	Very High	51.8	6064	117	5761	111

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Mounting

- TRAVERSE can be ordered for all grid types. See below for fixture placement in relation to the tile for each grid type
- Grid retention clips integral to housing and require mechanical attachment
- Tie off fixture to structure with retention wires
- Refer to installation instructions during installation at the jobsite
- Approved for dry/damp location
- Maximum fixture weight is 19.4lbs

G1	G9	GS	FL
<p>1" Grid Mount Works with 15/16" grid ceiling types. See profile for fixture position in relation to ceiling grid and tile.</p>  <p>Standard Tile</p> <p>Tegular Tile</p>	<p>9/16" Grid Mount Works with 9/16" grid ceiling type. For tegular tile installations, fixture position will not be flush to the bottom of the tile. See tegular tile profile image below.</p>  <p>Standard Tile</p> <p>Tegular Tile</p>	<p>Screw Slot Mounting Works with screw slot and bolt slot grid ceiling types.</p>  <p>Standard Tile</p> <p>Tegular Tile</p>	<p>Flange Kit A separate flange kit is supplied for installations into inaccessible or drywall applications. Flange kit ships from factory uninstalled separately from fixture.</p> 

Voltage

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

0-10V Drivers

FSD	Factory Select Driver 1%, 0-10v
PL2	Advance Xitanium 1%, 0-10v
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 0.1%, 0-10v, Logarithmic
ES2	eldoLED SOLOdrive 0%, 0-10v, Linear
OL5	eldoLED Optotronic 1%, 0-10v, AUX

DALI Drivers

EE3	eldoLED ECOdrive .1%, DALI, Logarithmic
OD1	eldoLED Optotronic 1%, DEXAL
PR1	Advance Xitanium SR, DALI 2, Self powered link

Lutron Drivers

LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
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Circuiting

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

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

Battery & Emergency

- Select battery or emergency options if required
- Battery duration is 90 minutes
- Test button is integral to fixture
- For more Battery options, see Pinnacle Resource Guide

0	No Battery
FSB	Factory Select Battery 10w, Integral Lithium
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
1ILL	Iota 10w, Integral Lithium, Self Testing
1PLL	Bodine 10w, Integral Lithium, Self Testing

For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 10 (watts) x 92.3 (LPW) = 923 battery lumen output

Battery & Emergency Ordering Examples

- Single circuit, 10w integral battery Ordering Code: 1-1PLL
- Emergency circuit only, 10w integral battery Ordering Code: E-1PLL



Finish

- Powder-coat white painted finish

W White

Fixture Options

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

QS	Quick Ship
TW	Through-Wiring
CP	Chicago Plenum
AM	Antimicrobial Paint
AR	Air Return <i>(only available with G1 or G9 mounting)</i>
FW6	Flex Whip 6'

Quick Ship

Shielding	Output	Mounting	Voltage	Driver	Circuiting	Battery	Finish	Options
10-Day								
W White Rails	80 CRI, All color temperatures, all lumen packages <i>See pg 2</i>	G1 1" Grid G9 9/16" Grid GS Screw Slot	U Universal 1 120v 2 277v	FSD Factory Select Driver <i>(1%, 0-10v)</i> PL2 Advance Xitanium 0-10v, 1% OL2 Osram 0-10v, 1%	1 Single E Emergency N Night Light	0 None FSB Factory Select Battery ILL Iota 10w PLL Bodine 10w	W White	CP Chicago Plenum FW6 Flex Whip 6' 18-gauge

Consult Factory for projects that are larger than 200 units.

Controls

- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory for any non-standard configurations for layout, placement, or EM options
- Must specify required driver in Driver section

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitations
DLMFC	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2	Not available with Battery
DLMFS	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1 or 0-10v	0-10v requires interface
SNSLM	Encelium SensiLUM	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	
LEVIS0	Leviton Intellect Sensor	ZL07S-N00	Leviton Intellect, Daylight/PIR Occupancy	Wireless	OL5	
ENLI	Enlighted IOT	SU-5E-IOT	Enlighted, Daylight/PIR Occupancy	Wireless	ANY 0-10V	
ENLC	Enlighted Connected Lighting	SU-5E-CL	Enlighted, Daylight/PIR Occupancy	Wireless	ANY 0-10V	
ENL2I	Enlighted 2-Wire IOT	KIT-SU-5E-D-IOT	Enlighted, Daylight/PIR Occupancy	Wireless	OD1, PR1	
ENL2C	Enlighted 2-Wire Connected Lighting	KIT-SU-5E-D-CL	Enlighted, Daylight/PIR Occupancy	Wireless	OD1, PR1	

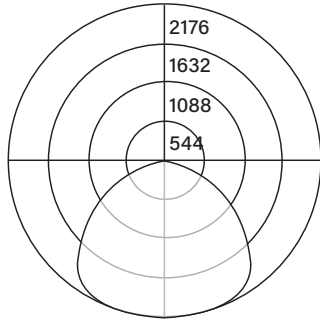
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Photometrics

Satine Lens

Test #	5156-5
Catalog #	TR14-W-835
Lumens	6222 lm
Watts	45.6 W
Efficacy	136 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2176	2176	2176	2176	2176
5	2168	2160	2166	2169	2167
10	2140	2131	2148	2163	2166
15	2094	2089	2125	2159	2170
20	2029	2032	2092	2150	2170
25	1946	1958	2044	2121	2147
30	1844	1865	1973	2058	2082
35	1722	1751	1869	1946	1962
40	1584	1616	1729	1783	1787
45	1430	1460	1555	1584	1578
50	1270	1289	1357	1363	1351
55	1095	1107	1144	1133	1118
60	918	915	927	904	888
65	741	727	720	689	673
70	562	540	518	482	468
75	388	364	333	296	280
80	230	208	172	162	161
85	94	73	55	50	50
90	1	1	1	1	2

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5438	5911	6001
55	5132	5362	5239
65	4714	4579	4281
75	4026	3458	2910
85	2912	1707	1551

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°C ambient conditions

Approvals & Certifications

Construction: Formed 24 gauge cold rolled steel housing. Highly reflective die-formed reflectors maintain uniform lens brightness. Wiring access on both sides and top of housing. Housing designed to maintain optimal temperature of LED diodes and driver and allow for room-side maintenance of lens, driver and LED boards.

Shielding: 3 piece diffuse lens with center spine creating a fully luminous housing with optimal glare control. Available with white or silver lens side rails.

Mounting: Designed to install into acoustical grid and inaccessible ceilings. Specify G1, G9 or GS for acoustical grid ceiling. Specify FL for inaccessible ceilings. Grid retention clips integral to housing and require mechanical attachment. Tie off fixture to structure with retention wires. Maximum fixture weight is 19.4 lbs.

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. Lifetime Projection L70 = 275,000 hours and L90 = 83,000 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at pinnacle-ltg.com.

Color & Lumen Output: Not all lumen packages available. Four lumen packages available. Low (LO), Medium (MO), 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. Some TRAVERSE 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 87°F/30C. For more driver options, see Pinnacle Resource Guide. Some TRAVERSE configurations will not accommodate all driver options.

Circuiting: Select from single circuit (1), Emergency circuit (E) or Night Light circuit (N). Some TRAVERSE 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: Powder coat white painted finish.

Controls: DLM utilizes wired network connections for digital control through switching and dimming. ENCELIUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy using 0-10V, DEXAL or SR LED drivers. Leviton Intellect sensor provides wireless control, daylight harvesting and PIR occupancy detection using 0-10V, DEXAL or SR LED drivers. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for IOT or Connected platform using 0-10V, DEXAL or SR LED drivers.

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

Fixture Weight: 19.4 lbs maximum.

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