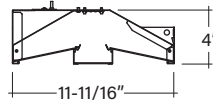




# TRAVERSE TR14

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

<sup>1</sup>When 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. <sup>2</sup>If specifying QS, QS must be used in fixture options section of part number to qualify. <sup>3</sup>Controls 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.



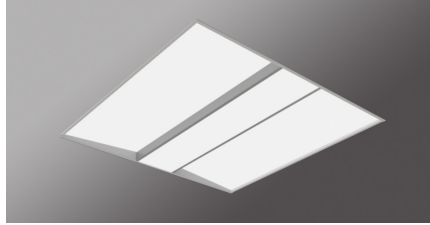
## Shielding

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

**W**  
Satine Lens with White Rails



**S**  
Satine Lens with Silver Rails



## 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

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

### 80 CRI

	Color	Output	Watts	Shielding <b>W</b> White Trim		<b>S</b> Silver Trim	
				Lumens	LPW	Lumens	LPW
<b>830LO</b>	3000K	Low	15.7	2155	137	1767	113
<b>830MO</b>	3000K	Middle	23.9	3234	135	2652	111
<b>830HO</b>	3000K	High	33.7	4482	133	3675	109
<b>830VHO</b>	3000K	Very High	51.8	6664	129	5464	105
<b>835LO</b>	3500K	Low	15.7	2164	138	1774	113
<b>835MO</b>	3500K	Middle	23.9	3248	136	2663	111
<b>835HO</b>	3500K	High	33.7	4500	134	3690	110
<b>835VHO</b>	3500K	Very High	51.8	6692	129	5487	106
<b>840LO</b>	4000K	Low	15.7	2222	142	1822	116
<b>840MO</b>	4000K	Middle	23.9	3335	140	2735	114
<b>840HO</b>	4000K	High	33.7	4621	137	3789	112
<b>840VHO</b>	4000K	Very High	51.8	6871	133	5634	109

### 90 CRI

<b>927LO</b>	2700K	Low	15.7	1787	114	1465	93
<b>927MO</b>	2700K	Middle	23.9	2682	112	2199	92
<b>927HO</b>	2700K	High	33.7	3716	110	3047	90
<b>927VHO</b>	2700K	Very High	51.8	5526	107	4531	87
<b>930LO</b>	3000K	Low	15.7	1830	117	1501	96
<b>930MO</b>	3000K	Middle	23.9	2747	115	2253	94
<b>930HO</b>	3000K	High	33.7	3807	113	3122	93
<b>930VHO</b>	3000K	Very High	51.8	5661	109	4642	90
<b>935LO</b>	3500K	Low	15.7	1910	122	1566	100
<b>935MO</b>	3500K	Middle	23.9	2867	120	2351	98
<b>935HO</b>	3500K	High	33.7	3973	118	3258	97
<b>935VHO</b>	3500K	Very High	51.8	5907	114	4844	94
<b>940LO</b>	4000K	Low	15.7	1961	125	1608	102
<b>940MO</b>	4000K	Middle	23.9	2943	123	2413	101
<b>940HO</b>	4000K	High	33.7	4078	121	3344	99
<b>940VHO</b>	4000K	Very High	51.8	6064	117	4973	96

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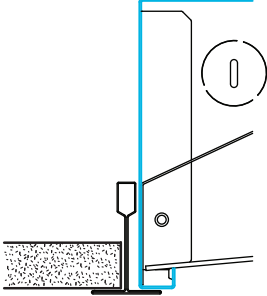
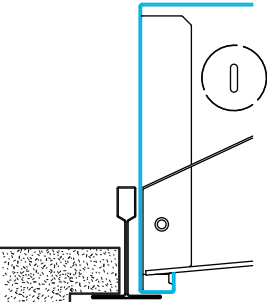
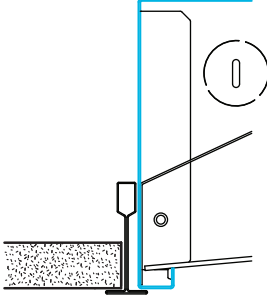
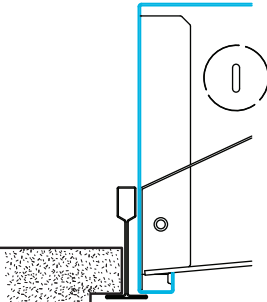
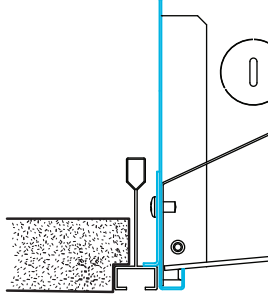
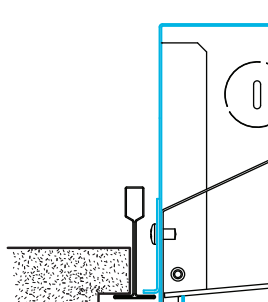
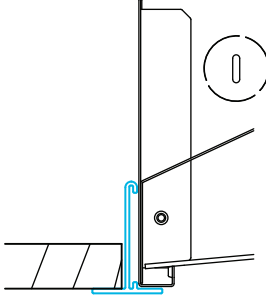
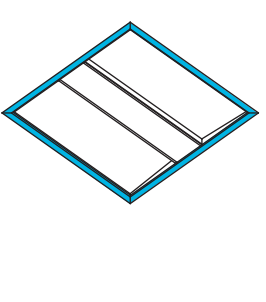
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## Mounting

- 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
<b>1" Grid Mount</b> <i>Works with 15/16" grid ceiling types. See profile for fixture position in relation to ceiling grid and tile.</i>	<b>9/16" Grid Mount</b> <i>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.</i>	<b>Screw Slot Mounting</b> <i>Works with screw slot and bolt slot grid ceiling types.</i>	<b>Flange Kit</b> <i>A separate flange kit is supplied for installations into inaccessible or drywall applications. Flange kit ships from factory uninstalled separately from fixture.</i>
 <p>Standard Tile</p>  <p>Tegular Tile</p>	 <p>Standard Tile</p>  <p>Tegular Tile</p>	 <p>Standard Tile</p>  <p>Tegular Tile</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

<b>FSD</b>	Factory Select Driver 1%, 0-10v
<b>PL2</b>	Advance Xitanium 1%, 0-10v
<b>OL2</b>	eldoLED Optotronic, 1%, 0-10v
<b>OL4</b>	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v, Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v, Linear
<b>ES1</b>	eldoLED SOLOdrive 0.1%, 0-10v, Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0%, 0-10v, Linear
<b>OL5</b>	eldoLED Optotronic 1%, 0-10v, AUX

### DALI Drivers

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

### Lutron Drivers

<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
------------	---

## Circuiting

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

<b>1</b>	Single Circuit
<b>E</b>	Emergency Circuit only
<b>N</b>	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

<b>0</b>	No Battery
<b>FSB</b>	Factory Select Battery 10w, Integral Lithium
<b>FSG</b>	Factory Select ALCR Emergency Control Device, UNV
<b>GI</b>	Iota ETS-DR, Emergency Control Device, UNV
<b>GB</b>	Bodine GTD, Emergency Control Device, 120v or 277v
<b>1ILL</b>	Iota 10w, Integral Lithium, Self Testing
<b>1PLL</b>	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

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

## Quick Ship

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

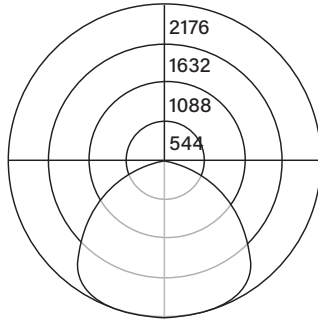
	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitations
<b>DLMFC</b>	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2	Not available with Battery
<b>DLMFS</b>	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1I or 0-10v	0-10v requires interface
<b>SNSLM</b>	Encelium SensiLUM	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	
<b>LEVIS0</b>	Leviton Intellect Sensor	ZL07S-N00	Leviton Intellect, Daylight/PIR Occupancy	Wireless	OL5	
<b>ENLI</b>	Enlighted IOT	SU-5E-IOT	Enlighted, Daylight/PIR Occupancy	Wireless	ANY 0-10V	
<b>ENLC</b>	Enlighted Connected Lighting	SU-5E-CL	Enlighted, Daylight/PIR Occupancy	Wireless	ANY 0-10V	
<b>ENL2I</b>	Enlighted 2-Wire IOT	KIT-SU-5E-D-IOT	Enlighted, Daylight/PIR Occupancy	Wireless	OD1, PR1	
<b>ENL2C</b>	Enlighted 2-Wire Connected Lighting	KIT-SU-5E-D-CL	Enlighted, Daylight/PIR Occupancy	Wireless	OD1, PR1	



## 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](http://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](http://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/30°C. 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. ENCELUM 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.