



COMBINED FAMILY SPECIFICATION

THINTEK™ WS

Field Selectable Recessed Mount Square Downlight

ThinTek™ WS - 120V Downlight

ThinTek™ WS - 120-347V Downlight



ThinTek™ Wafer S **Direct Mount Recessed**

DESCRIPTION

The ThinTek™ Wafer series from TGS allows for easy installation from below the ceiling without the need for an existing can and is ideal for shallow ceiling plenum applications. The CCT switch allows for selection between 2700K, 3000K, 3500K, 4000K, and 5000K. With Title 24 certification, 90 CRI, and a variety of sizes and lumen packages, ThinTek™ Wafers provide versatility, reliable performance, and a fast, simple installation process.

APPLICATIONS

Residential, Institution, Hospitality, Retail, Offices, Schools, Basement remodels, Kitchens and Hallways.

FEATURES

Construction

Die-cast aluminum housing and PC lens.
Air-tight IC Rated.

Optical System

Glare controlling lens for comfortable light distribution.
Provides a 110° beam angle.

Warranty

5 year warranty.
See warranty documentation for more information.

Electrical

Input voltage: 120VAC, 60Hz
25W High Voltage Emergency Battery Backup option available.
12" Power Cable (Standard): Extension Cable option available in 3' or 10'.

Installation/ Mounting

Recessed Mounting with adjustable spring loaded retention tabs for secure fixture.

Controls/Dimming

Triac Dimming (Dims to 10%)
Tunable White between 2700K, 3000K, 3500K 4000K, 5000K.



120VAC/Triac Dimming

ThinTek™ Wafer S

- 3", 8W (500 lm)
- 4", 10W (650 lm)
- 4", 12W (850 lm)
- 6", 12W (900 lm)
- 6", 15W (1100 lm)
- 8", 18W (1500 lm)

Projected L70: 50,000+ hours
Warranty: 5 Years
Phase/TRIAC Dimming (10%)



TITLE 24
Compliant



90+ CRI



Wet Location
Rated



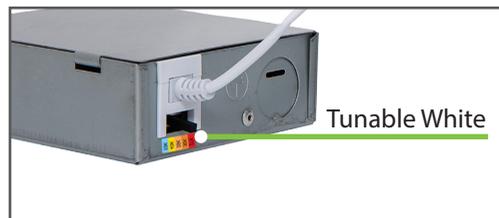
Tunable White



Air Tight



Phase/TRIAC
Dimming
Dims to 10%



Ordering Information

EXAMPLE: TWSF-0308-C-S

Series	Size/Wattage	CCT	Input Voltage/Control
TWSF - ThinTek Wafer Square Flat	0308 - 3"/8W 0410 - 4"/10W 0412 - 4"/12W 0612 - 6"/12W 0615 - 6"/15W 0818 - 8"/18W	C - 2700K/3000K/3500K/4000K/5000K	S - 120VAC/Triac Dimming

Accessories

- TW-EC03 (3' Extension Cable)
- TW-EC10 (10' Extension Cable)
- 90025-H (25W High Voltage Emergency Battery Backup)

Specifications and Dimensions subject to change without notice.

Accessories options are purchased separately.

*MOQ and longer lead times may apply, please contact customer service for more information.

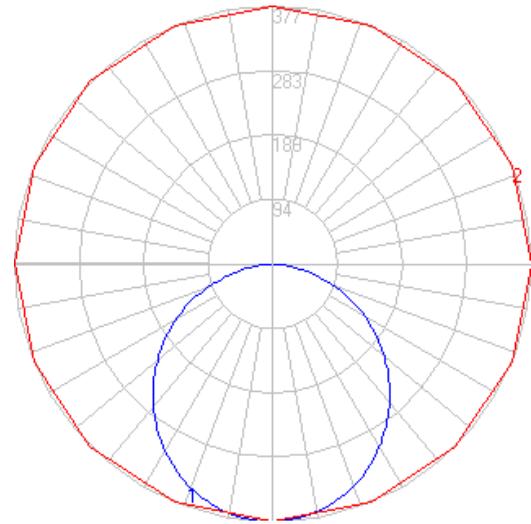
Performance Information

Input Voltage	120VAC
Input Frequency	60Hz
Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	See Performance Table
CRI	>90
Available CCT	2700K, 3000K, 3500K, 4000K, 5000K
Projected L70	50,000+ hours
Power Factor	>0.9
THD	<20%
Dimming	Triac /Phase Dimming (Compatible Dimmer List Available)
Operating Temp.	-4°~104°F

Photometric Data

6" 15W

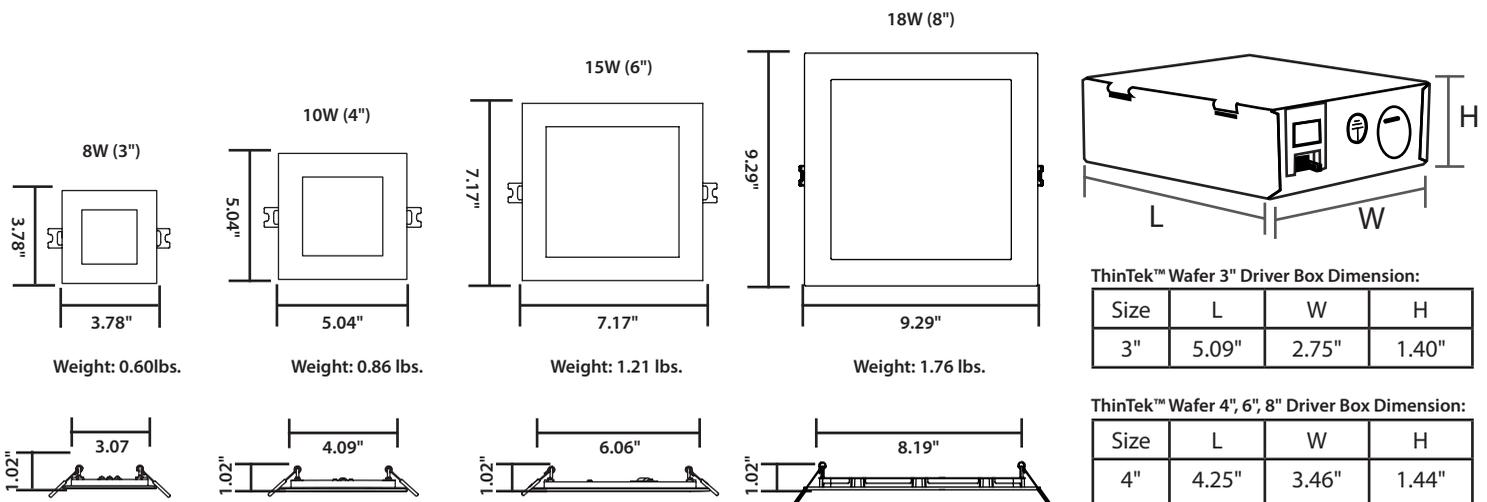
* IESNA LM-63 IES Available



Performance Table

SKU	Size (in)	Wattage (W)	5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)
TWSF-0308-C-S	3	8	500	63
TWSF-0410-C-S	4	10	650	65
TWSF-0412-C-S	4	12	850	71
TWSF-0612-C-S	6	12	900	75
TWSF-0615-C-S	6	15	1100	73
TWSF-0818-C-S	8	18	1500	83

Product Dimensions



Installation Kits and Accessories



**3' or 10'
Extension Cable
(Option)**
[TW-EC03, TW-EC10]



**High Voltage
Emergency Backup
25W
(Option)**
[90025-H]

Dimmer Compatibility List

Recommended dimmers

Lutron	Leviton	EATON
DVCL-153PR-WH CTCL-153PDH-WH TGCL-153PH-WH MACL-153MH-WH P-PKG1W-WH-R	R62-06674-P0W R12-06672-1LW R50-IPL06-10M	SAL06P-LA-K



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Air-tight IC Rated.

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25W High Voltage Emergency Battery Backup option available.
12" Power Cable (Standard): Extension Cable option available in 3' or 10'.

Optical System

Glare controlling lens for comfortable light distribution.
Provides a 110° beam angle.

Installation/ Mounting

Recessed Mounting with adjustable spring loaded retention tabs for secure fixture.

Warranty

5 year warranty.
See warranty documentation for more information.

Controls/Dimming

0-10V Dimming (Dims to 10%)
Tunable White between 2700K, 3000K, 3500K 4000K, 5000K.

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- 3", 8W (500 lm)
- 4", 10W (650 lm)
- 4", 12W (850 lm)
- 6", 12W (900 lm)
- 6", 15W (1100 lm)
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Projected L70: 50,000+ hours
Warranty: 5 Years
0-10V Dimming (10%)



TITLE 24 Compliant



90+ CRI



Wet Location Rated



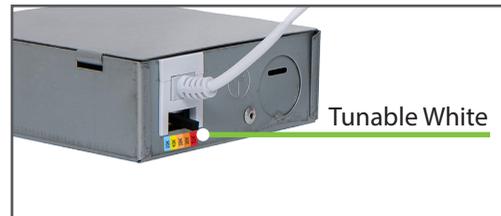
Tunable White



Air Tight



0-10V Dimming
Dims to 10%



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EXAMPLE: TWSF-0308-C-U

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Accessories

- TW-EC03 (3' Extension Cable)
- TW-EC10 (10' Extension Cable)
- 90025-H (25W High Voltage Emergency Battery Backup)

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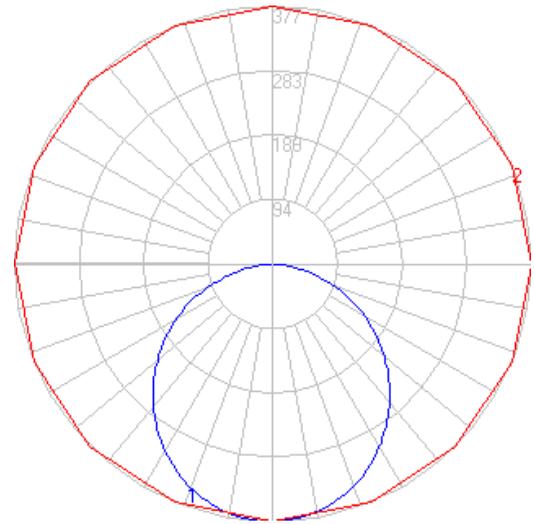
Performance Information

Input Voltage	120~347VAC
Input Frequency	60Hz
Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	See Performance Table
CRI	>90
Available CCT	2700K, 3000K, 3500K, 4000K, 5000K
Projected L70	50,000+ hours
Power Factor	>0.9
THD	<20%
Dimming	0-10V Dimming (Dims To 10%)
Operating Temp.	32°~104°F

Photometric Data

6" 15W

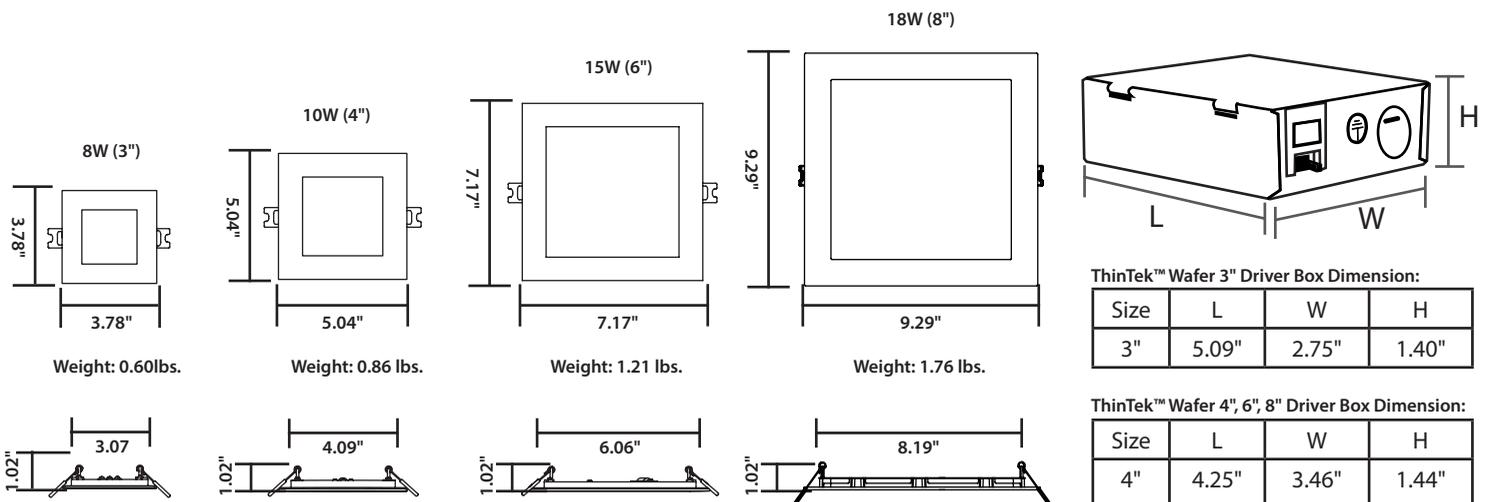
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Installation Kits and Accessories



**3' or 10'
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(Option)
[TW-EC03, TW-EC10]**



**High Voltage
Emergency Backup
25W
(Option)
[90025-H]**