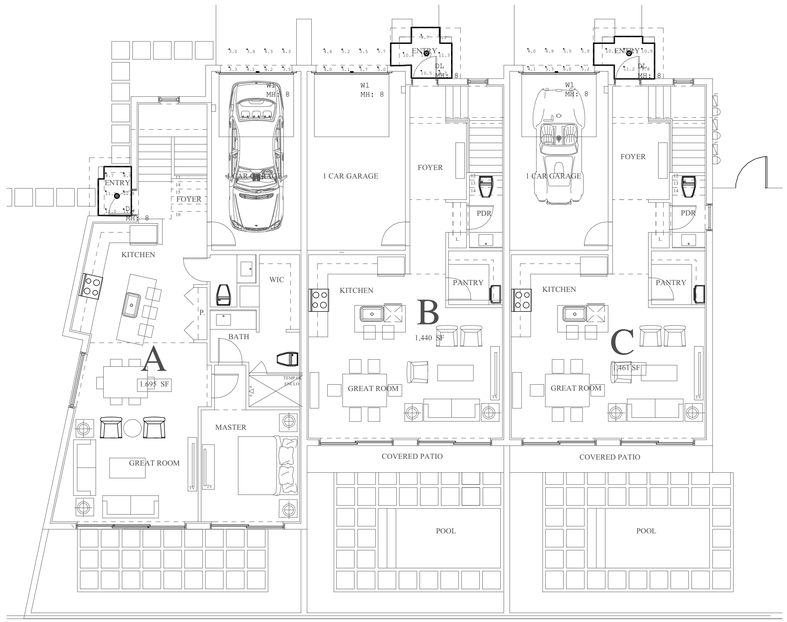


PHOTOMETRIC PLAN

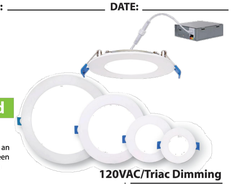
1/8" = 1'-0"

tgs

TRULY GREEN SOLUTIONS

SKU#: _____ PROJECT NAME: _____ DATE: _____

THINTEK™ WAFER R | **Direct Mount Recessed**



120VAC/Triac Dimming

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, Hospitals, Airports and Hallways.

Intertek ENERGY STAR IC RATED 5 YEAR WARRANTY

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
16W or 25W High Voltage Emergency Battery Backup option available.
12" Power Cable (Standard): Extension Cable option available.

Installation/ Mounting
Recessed Mounting with adjustable spring loaded retention tabs for secure fixture.
New Construction Kit (3", 4", 6") and New Construction Kit with Hanger Bar (3", 4", 6") option available.

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

ThinTek™ Wafer R

- 3", 6W (370 lm)
- 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: TWRF-0308-C-S

Series	Size/Wattage	CCT Switchable	Input Voltage/Control
TWRF - ThinTek Wafer Round Flat	0306 - 3"/6W 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

New Construction Kit	New Construction Kit W/ Hanger Bar	Accessories
TWR-NC (For 3", 4", 6")	TWR-NCH (For 3", 4", 6")	TW-EC (4" Extension Cable) 90016-H (16W High Voltage Emergency Battery Backup) 90025-H (25W High Voltage Emergency Battery Backup)

Specifications and Dimensions subject to change without notice.
Accessories are purchased separately.
***MOQ and longer lead times may apply, please contact customer service for more information.**

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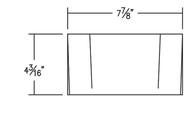
LITON®

TYPE _____ PROJECT _____
CATALOG# _____

WD1472 - 8" X 4" SCOOP 1-DIRECTION WALL MOUNT (IP65) - 850LM

SURFACE 1-DIRECTION WALL MOUNT



SPECIFICATION

15W

Application: This WD1 Series directional wall luminaire can be used in both indoor and outdoor settings and can be pointed up or down. Typical locations are in commercial and retail spaces that contain walls and/or columns that require directional lighting.they can be used as downlight for direct illumination or as uplights for indirect illumination of architecture facades.

Housing: Constructed from two (2) pieces of high grade die cast aluminum with a high grade powder coat finish. Includes a faceplate with a tempered glass lens (sits flush to the housing), LED array, reflector, LED driver, silicone gasket and a wire exit hole to junction box wiring. The two piece housing is secured together by four (4) tamper resistant stainless steel set screws.

Mounting: The fixture mounts on to a wall directly over standard 3-1/2" junction box or other similar size junction boxes.

Faceplate: One piece die cast aluminum with powder coat finish, and a tempered glass lens (available in clear or frosted).

Reflector Construction: The one piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Thermal Management: Effective thermal dissipation facilitated by integral cast-aluminum, finned heat sink design for maximum heat rejection to provide long LED life.

Dimming: (UE-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and S-Wire 0-10V fluorescent dimmers.

Electrical: LED driver, 120VAC, 50/60Hz, electronic Constant Current, Class 2, Power Factor > .90pf, integrally mounted. Use LED driver option UE-DUN UniDim (120V/277V) for dimming (see above), and cold weather applications (-30°C and above).

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch and plate cover included.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant when fixture is pointing downward.

Listing: ETL / cETL Listed. Suitable for wet location. Assembled in USA. (IP65).

2019.10.24

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Available in White, Silver, Basic Bronze and Black.

LED: Binned with 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K and 3000K.

LED Details:
—15W 850 + Lumens Delivered
Color Rendering Index (CRI): 90
Color Temperature: 4000K
Lamp Equivalents: 26W CFL 7SW A19

Benefit:
- Sleek architectural design
- Durable, corrosion resistant finish
- Emergency back up available
- 5 year limited warranty

FEATURE:

ORDERING EXAMPLE : WD1472B-T30-EMAC

WD1472	FINISH	LENS	DIMMING	LED	DISTRIBUTION	OPTIONS
WD1472	**W** :White*	**Blank** :Clear	**Blank** :Non-Dimming	**Blank** :4000K	**Blank** :None	**Blank** :None
	S :Silver*	**-FK** :Frosted	**UE-DUN** :UniDim (120V/277V)	**-T30** :3000K	**-BIV** :Type IV (forward throw)	**-EMAC** :Emergency Back Up
	BZ :Basic Bronze*		**-347-D10** :347V 0-10V Dimming			**-SDL** :Photocell Sensor
	B :Black					

* 25 piece minimum with extended lead times.

Tel: 323.904.0200 Product specifications subject to change without notice. www.liton.com

eema

SESCO Luminaire Schedule								
Symbol	Qty	Label	Tag	Description	Arrangement	Lum. Watts	Lum. Lumens	LLF
⊙	3	DL	TGS	TWRF-0612-C-S (2700K)-S	SINGLE	11.6264	918	1.000
▪	3	W1	Liton	WD1472-(FINISH)-T30 (File modifed to simulate 3K)	SINGLE	10.79	838	0.780

SESCO Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcTb	PtSpcLr	Grid Z
Entry_1_Workplane	Illuminance	Fc	10.87	12.9	8.7	1.25	1.48	2	2	2.5
Entry_2_Workplane	Illuminance	Fc	10.51	13.2	9.2	1.14	1.43	2	2	2.5
Entry_3_Workplane	Illuminance	Fc	11.02	12.7	9.8	1.12	1.30	2	2	2.5
Garage Front_1_Garage Front	Illuminance	Fc	3.83	4.3	3.0	1.28	1.43	2	2	0
Garage Front_2_Planar	Illuminance	Fc	5.10	5.7	4.0	1.28	1.43	2	2	0
Garage Front_3_Planar	Illuminance	Fc	5.11	6.0	4.0	1.28	1.50	2	2	0

David A DaSilva

Digitally signed by David A DaSilva
Date: 2021.04.14 08:16:13 -04'00'

This item has been electronically signed and sealed by David A. DaSilva, PE #54739. On April 14, 2021, using a Digital Signature. Printed copies of this document are not considered signed and sealed, and all SHA-1 authentication code and signature must be verified on any electronic copies.

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DRC
PZ21-1200019
7/07/2021

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Revisions:

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Seal

4/1/2021

JAMES T. BARRETTA

PHOTOMETRIC PLAN

Project No: 21-054
Scale: AS SHOWN
Proj. Mgr.: OSCAR
Designed: J.B.
Drawn: OSCAR
Checked: J.B.
Date: 4/1/2021
Sheet No: E-1

BARRETTA & ASSOCIATES, INC.